SELF STUDY REPORT

ETERNAL UNIVERSITY
BARU SAHIB

Established under
Himachal Pradesh Government Act No.3 of 2009
Recognized by UGC, AICTE, NCTE, DSIR, DBT and DRDO

SUBMITTED TO:

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL NAGARBHAVI, BANGALURU, KARANATAKA

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FOUNDERS

Sant Attar Singh Ji

Sant Teja Singh Ji

The great visionary of 20th century (Sant Attar Singh ji) had a vision that modern scientific education alone will not serve the humanity well, until and unless it is amalgamated with Braham Vidya (Spiritual Education)

Our Mission

"To Establish Permanent Peace in the World through Value Based Scientific Education, Spiritual Rejuvenation and Women Empowerment"

FROM THE CHANCELLOR'S DESK

"What is that can empower our nation? Obvious answer is Education. Education enhances livelihood but also education that is Value Based Education that gives roots and gives wings as well"

Baba Iqbal Singh Ji
(Chancellor)
Retired, Director Agriculture (H.P.)

Broadly speaking, there are three types of Education. The first type of education focuses only on literacy (bookish knowledge) without any moral development. I believe the merely literate person is the most egoistic and selfish without any moral values and thinks only about himself/herself. Most Colleges, Colleges and Universities around the world impart literacy without Value-Based Education.

Second type of education is Vidya (Value-Based Education), where you combine literacy with moral, ethical and religious instructions, and which is more holistic. An individual who has gone through such type of scholastic career is aware of the needs of others and begins to see himself /herself as one of those with a very broad outlook.

Third type of education is Brahmavidya the spiritualized education with divine wisdom for which one does not need to go to any College, because the divine knowledge of the universe springs from within. None of the prophets or the founders of the great world religions went to any University to learn the lessons about the Divine. One only needs to delve into the scriptures of the great religions for this type of education.

Our organization combines spirituality with literacy (basic education) to impart Value-Based Education to students; as a result our students are free from drugs/substance abuse and the use of alcohol. They are thus able to focus their minds on study, sports, and the well-being of others around them. Value-Based Education is the real need of the day to produce good upright human beings, who can inspire others to tread on the divine path and serve mankind selflessly. The effects of Value-Based Education have been far reaching. Our students have helped reduce tension in their families by counselling their own parents. In some cases, they have succeeded to keep their parents together instead of getting divorced. We are convinced that Value-Based Education is the best way to enable society to move forward and bring about sustainable development in the world. Through such education, we will be able to harness the energy of the youth and persuade them to work for the betterment of the world which is now in turmoil.

FROM THE VICE CHANCELLOR'S DESK

Dr. H.S. Dhaliwal
M.Sc. Plant Breeding (PAU, Ludhiana),
Ph. D Genetics (University of California, Riverside, U.S.A)
PDF (UC Riverside, U.S.A., FMI, Basel, Switzerland)
FNAAS, New Delhi

The Eternal University, established by Act No. 3 of 2009 by the government of Himachal Pradesh, is one of the few universities in the world committed to value based higher scientific and technical education as per the visions of Sant Baba Attar Singh Ji and Sant Baba Teja Singh Ji effectively translated and implemented by Baba Iqbal Singh ji under the Kalgidhar Trust with a network of about 130 CBSE affiliated Akal Academies for promoting rural education, women empowerment and universal brotherhood for eternal world peace. Situated at Baru Sahib in the Valley of Divine Peace, the Eternal University provides a unique, peaceful, social, spiritual, innovative and creative environment for comprehensive education and all round development of students in a home away from the worldly distractions. We the faculty, staff and students are highly thankful to Baba Iqbal Singh ji, former Director Agriculture, Himachal Pradesh, Chairman of Kalgidhar Trust and Chancellor of Eternal University for his kind blessings, guidance and support while treading the Eternal University on its path of value based education and academic excellence.

Quality education and research are crucial for ensuring social, economic and health security for overall development of any country including India. Concerted efforts have been made to identify, support and promote basic and applied research to generate knowledge and technology in the strategic and emerging thrust areas and research gaps of India in general and Himachal Pradesh in particular by highly competent and dedicated faculty through multi-disciplinary teams across its seven constituent colleges, international collaboration and academia- industry linkages. Keeping in view the shortage of faculty for teaching and research in basic sciences and technology the newly established Akal College of Basic Sciences will offer honours programmes at under graduate levels from the 2016-17 academic year. Research on bioprospecting of medicinal plants and functional foods has been strengthened by establishing state of the art laboratories, infrastructure and pilot plants through institutional, State and Central Government assistance.

The comprehensive course curriculums are continuously updated with major emphasis on choice based credit system and add-on courses besides on the campus training and certification, skill development, industrial visits, motivation and development of communication skills for suitable industrial placement of our graduates in India and abroad. We are committed to attract the best talent through motivation, merit scholarships, fellowships and tuition fee waivers and create conducive learning environment for value-based education in this unique residential and predominantly women students University. Our graduates are trained and transformed as the best citizens to adapt and thrive in the diverse and challenging global scenario and act as our ambassadors for promoting universal brotherhood and eternal peace. You are welcome to visit our campus and the website to explore your association with us for pursuit of knowledge and skills.

Dr. H.S. Dhaliwal
Vice Chancellor

Eternal University:

Symbolizing the Eternity of Education

Baba Iqbal Singh Ji, Chancellor

Located in the southeastern part of Himachal Pradesh, Sirmour district is largely mountainous and rural, with 90 percent of its population living in villages. Agriculture is the backbone of rural masses here and farmers of Sirmour grow potato, garlic, peas, tomato, ginger and tons of fruits every year. However, the people of Sirmour were deprived of quality higher education until Eternal University established in 2009, under the aegis of Kalgidhar Trust with the visionary idea of Baba Iqbal Singh Ji, M.Sc. (Agriculture) and Ex-Director Agriculture, Himachal Pradesh. "Our aim is to provide value based education for creating universal brotherhood and world peace. We also work for the upliftment of this region through education, health, agriculture and conservation of environment," says Dr. H. S. Dhaliwal, Vice Chancellor, Eternal University.

Since its inception, the university has made remarkable growth in academics, infrastructure development and providing knowhow to the predominantly rural people of Sirmour district. The colleges of Engineering & Technology, Agriculture, Basic Sciences, Health and Allied Sciences, Divine Music and Humanities, Economics, Management and Commerce are its pillars. "Highly competent faculty, quality teaching, research and extension are our backbone. The founder Vice Chancellor, Dr. Manmohan Singh Atwal along with 74 faculty members and 30 visiting professors gave us a strong foundation and commitment," claims Dr. Dhaliwal.

At present, the total faculty positions in the constituent colleges of the university are 121. About 50 percent faculty members of Eternal University are women and nearly half of the faculty members have doctorate degrees.

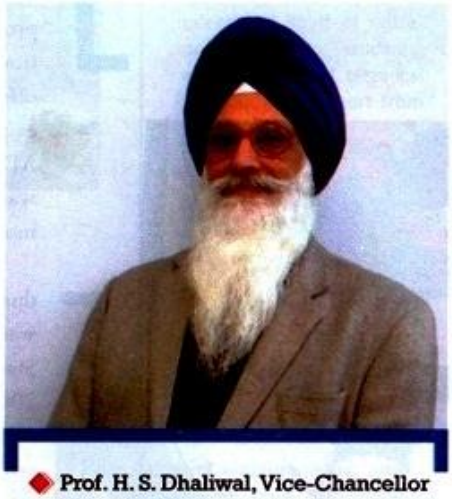
At the Eternal University, all the research projects have been designed, keeping in view the research and extension needs of the region and the multidisciplinary facilities available. "Our research initiative would minimize the regional imbalances by uplifting the economic conditions and improving the health standards of the population of the region," opines Dr. Dhaliwal. While, various externally funded and submitted projects provide a quick highlight of research activities of the university, the management is keen on revising the course curriculum based on requirement of academia and industry. "We have already revised and designed new curriculum of B.Tech, Food Tech., B.Sc. Agriculture, and various B.Sc. (Hons.) Degrees. As per the vision '2030' of Eternal University, the syllabi of

all degree programs will be revised as per the industry requirement a routine procedure," explains Dr. Dhaliwal.

As a part of course curriculum at all undergraduate degree programs, Eternal University has introduced a course 'Human Values and Professional Ethics' from academic session 2014-15, to create awareness and sensitize the students about ethical values and their responsibility as educated human resource to society welfare. "We have prepared

DID YOU KNOW?

Eternal University is the second private university of Himachal Pradesh. It is located in the 450-acre educational campus popularly known as Baru Sahib - The valley of divine peace. Being a non--profit and scientific organization, Eternal University has been recognized as a Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research (DSIR), Govt. of India since 2012. Under this recognition, university is exempted from payment of custom duty on purchase of instruments from abroad. The Eternal University has also been publishing a magazine "EU Voice" since 2015 to provide an appropriate platform for expression of ideas, scientific discoveries and their application.



Prof. H. S. Dhaliwal, Vice-Chancellor

He holds a Ph. D. in Genetics from University of California, Riverside and has immense academic and industrial experience. Before Eternal University, he has held many respective positions, he served as a Professor of Biotechnology in Indian Institute of Technology Roorkee, Director Biotechnology Centre,Punjab Agricultural University, Ludhiana and as Director-Cum- Senior Scientist at the Regional Research Station, Punjab Agricultural University. He has published more than 200 research papers in peer reviewed journals and conferences and seminars.

'The vision-2030' document, reflecting the mission of vibrant institution and its commitment to accomplish goals in the areas of teaching, research, extension education and technology transfer to meet the expectations of Himachal Pradesh in general and Sirmour district in particular," concludes Dr. Dhaliwal. HER

@ UNIVERSITY A GLANCE

Year of Establishment: 2009

Founder: Baba Iqbal Singh

Location: Sirmour, Himachal Pradesh

Constituent Colleges
- Akal College of Agriculture
- Akal College of Engineering & Technology
- Akal College of Basic Sciences
- Akal College of Health & Allied Sciences
- Akal College of Arts and Social Sciences
- Akal College of Education
- Akal College of Economics, Commerce & Management

Total Ennoblements: 1164

Total Number of Faculty Members: 122

Student to Faculty Ratio: 1:9

Number of PhD Holders: 56

Number of Faculties pursuing PhD: 24

Average Experience of Faculty Members: 8-10 years

Highest Package: Rs. 3 Lakh per

ETERNAL UNIVERSITY, BARU SAHIB

Offering Unique Model Of Value-Based Education Exclusively For Girl Students

The Eternal University, Baru Sahib was established in 2009 in Sirmour district of Himachal Pradesh with the mission to establish world peace through value-based education amalgamated with cutting-edge modern scientific and technical education. The Eternal University has been actively engaged in translating into reality the vision of the great visionary of 20th-Century luminary Sant Attar Singh under the patronage of Baba Iqbal Singh Ji, former Director of Agriculture, Himachal Pradesh, President Kalgidhar Trust and Chancellor Eternal University, Baru Sahib. The Eternal University, Baru Saheb aims to cultivate young minds imbued with a spirit of enquiry, quest for knowledge, respect for diverse world cultures and a keen desire to serve the communities in which they live and work as well as aspire to serve humanity at large by their spiritual values and knowledge. It has been recognised by UGC, AICTE, INC, NCTE, DSIR, DBT and DRDO for its excellence in academics & research contributions. The Eternal University has also been accorded the Minority Institution status by the National Commission on Minority Educational Institutions, New Delhi. The university has seven colleges imparting holistic education in diverse subjects like Arts, Science, Engineering & Technology, Architecture, Nursing, Agriculture, Biotechnology, Food Science, Divine Music, Economics, Commerce, Management and Public Health, etc. from undergraduate level to Ph.D.

Eternal University has been declared the Top Private University for girl students. It has also been ranked at 8th position among the top 10 Indian universities for its infrastructure development and is placed at 6th position out of the top 10 emerging universities of India according to a recent survey conducted by Higher Education. It has also been declared the University of 2016 for pragmatic education symbolising eternity of education by the Higher education Review. Merit scholarship and financial assistance are also available for the meritorious and deserving students under various university and government scholarship schemes.

The need-based syllabi with choice-based credit system incorporated in its course curriculum are regularly monitored and updated for placement of our students in industry, entrepreneurship and admission to prestigious institutions on the basis of motivation, certification, training and skill development provided to them. Keeping in view the need of the trained manpower several new courses including B.Tech. Architecture, M.Sc. Environmental Science and several subjects of Agriculture and M.Tech. Material Science & Engineering are being offered from the next academic sessions.

In a short period of time, the Akal College of Agriculture has developed and strengthened agriculture and horticulture experiment station, student training, farm demonstration and mechanization infrastructure. Three research projects funded by Department of Biotechnology, Govt. of India at a total grant of about Rs. two crores on Biofortification of wheat for high grain iron and zinc; Development of drought tolerant wheat cultivars and Enhanced bioavailability of micronutrients are being carried out effectively at the University. Three Pilot Plants on processing of Vegetables and Fruits; Bakery and Extrusion products and food analytical laboratories have been established with a grant from Ministry of Food processing Industry, Govt. of India. **A fourth Pilot Plant on Freeze Drying of Wheat Grass Juice and various fruits and vegetables of the region has been established by Akal Rojgar Yojna at a total cost of nearly one crore rupees.** The highly competent and experienced faculty of the college and the post graduate students are focusing on the exploitation of bio-diversity of functional foods and medicinal plants of the region, improvement of their tolerance to biotic and abiotic stresses, nutraceuticals, nutritional and processing quality through biotechnological approaches and developing balanced food packages for all age groups from infants to lactating mothers and elderly people.

Prof (Dr). H.S. Dhaliwal
Vice Chancellor, Eternal University

Apart from academics, this university is excelling in its research and extension programmes with multidisciplinary teams of world class scientists. Five village clusters have been adopted for transfer of technology and skill development in agriculture and allied enterprises, computer application, renewable energy and health for their inclusive development. All the girl students of Himachal Pradesh and adjoining states desirous of pursuing higher education in diverse area of specializations in a safest and pollution, drug and ragging free environment may visit our campus and **website: www.eterrnaluniversity.edu.in for detailed information.**

PREFACE

Eternal University was established by the Act No. 3 of 2009 by the government of Himachal Pradesh, with the mission to establish world peace through value-based education amalgamated with cutting-edge modern scientific and technical education under the aegis of Kalgidhar Trust. Situated at Baru Sahib in the Valley of Divine Peace, the University provides a unique, peaceful, social, spiritual, innovative and creative environment for comprehensive education and all round development of its students, promoting rural education, women empowerment and universal brotherhood for eternal world peace in a home away from the worldly distractions.

Since its inception, the university has made remarkable growth in academics, infrastructure development and providing know-how to the predominantly rural people of several states of Northern India. The colleges of Agriculture, Engineering and Technology, Basic Sciences, Health and Allied Sciences, Education, Arts and Social Sciences and Economics, Commerce and Management are its pillars.

As a part of course curriculums, at all undergraduate degree programmes, the University has introduced the value added course, "Human Values and Professional Ethics", from the academic session 2014-15 to create awareness and sensitize the students about ethical values and their responsibility as educated human resource to society welfare. Merit scholarships and financial assistance are also provided to the meritorious and deserving students under various university and government scholarship schemes.

The University has prepared its 'Vision-2030' document that reflects the mission of the vibrant institution and its commitment to accomplish goals in the area of teaching, research, extension education, entrepreneurship and technology transfer to meet the expectations of its peers from Himachal Pradesh as well as the adjoining states. Research on bioprospecting of medicinal plants and functional foods has been strengthened by establishing state of the art laboratories, infrastructure and pilot plants through institutional, State and Central Government assistance. All the research projects at the University have been designed, keeping in view the thrust research areas and extension needs of the region and the multidisciplinary facilities available. Various externally funded projects provide a quick highlight of research activities of the University. Three research projects funded by the Department of Biotechnology, Govt. of India at a total grant of about Rs. 2 crore on Bio-fortification of Wheat for High Grain Iron and Zinc; Development of Drought Tolerant Wheat Cultivars and Enhanced Bioavailability of Micronutrients are being carried out effectively at the University. Three Pilot Plants on Processing of Vegetables and Fruits; Bakery and Extrusion Products Food Analytical Laboratories have been established with an infrastructural development grant from Ministry of Food Processing Industry, Govt. of India. The Fourth Pilot Plant on Freeze Drying of Wheat Grass Juice and various fruits and vegetables of the region has also been established by Vivo Wellness Pvt. Ltd. at a total cost of one crore rupee for collaborative research and commercialization. The Himachal Pradesh State Council of Science, Technology and Environment, Shimla has funded a number of projects for popularization and training of youth in harnessing solar energy and computer application.

The University is committed to attract the best and devoted talent through motivation, merit scholarships, fellowships and tuition fee waivers and create conducive learning environment for value-based education in this unique residential and predominantly girl students′ University. For this, the comprehensive course curriculums are continuously updated with major emphasis on choice based credit system and add-on courses besides on- the- campus training and certification, skill development, industrial visits, motivation and development of communication skills for suitable industrial placement of our graduates in India and abroad. Eternal University has organized more than ten national and international workshops, symposia and conferences providing suitable platform for the eminent scientists, senior administrators,

distinguished faculty members, research scholars and students of various organizations of India and abroad to interact, discuss and share their knowledge, views and concern in various areas of Arts, Science and Technology.

Eternal University has been duly recognized by the UGC, AICTE, NCTE, DSIR, DBT and DRDO for its excellence in academics and research contributions. The University has also been accorded the Minority Institution status by the National Commission on Minority Educational Institutions, New Delhi. The University has been declared the 'Top Private University' for girls′ students. It has been ranked at 8^{th} position among the top 10 Indian Universities for its infrastructure development and is placed at 6^{th} position out of the top 10 emerging universities of India according to a recent survey conducted by the Higher Education. It has also been declared the University of 2016 for pragmatic education symbolizing eternity of education by the Higher Education Review. The University, as model and modern Gurukul, in a remote and backward area of Himachal Pradesh is committed to transform the devoted youth for academic excellence and spiritual realization and holistic development to serve and spread the message of "One in All and All in One" for universal brotherhood and eternal peace. The cooperation, help, support and encouragement of all the students, faculty and the staff is solicited to accomplish this noble mission.

Eternal University

(World peace through value based education)

DECLARATION BY THE HEAD OF THE UNIVERSITY

I certify that that the data included in this Self-Study Report (SSR) are true to the best of my knowledge. This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place: Baru Sahib

Date: 12th January 2017

H.S. Dhaliwal

(Dr. H.S. Dhaliwal)
Vice Chancellor
Eternal University, Baru Sahib

Vice Chancellor
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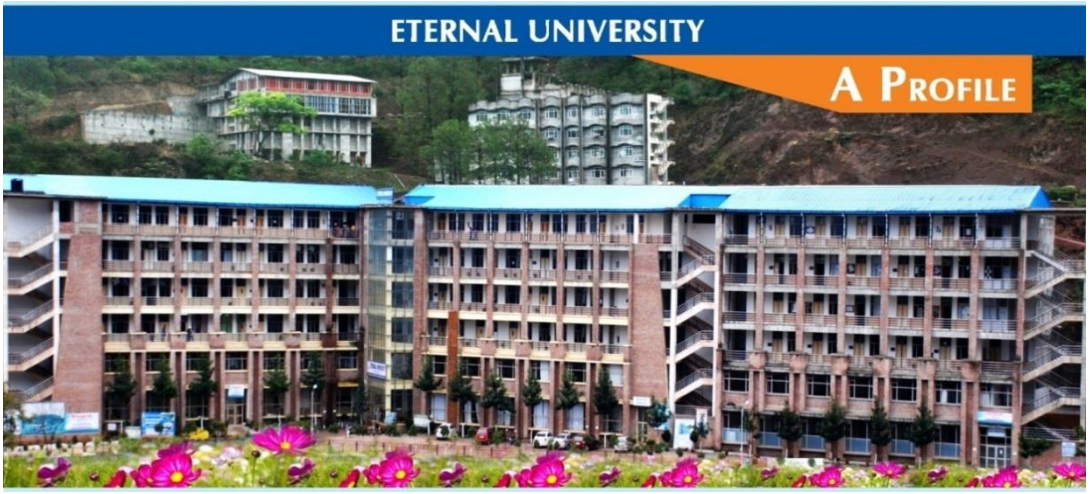
EXECUTIVE SUMMARY



ETERNAL UNIVERSITY, BARU SAHIB

(World Peace through Value Based Education)

[Established under the Himachal Pradesh Private Universities (Establishment & Regulation) Act 2006 & Himachal Pradesh Government Act No 3 of 2009]

Recognized by UGC, AICET, NCTE, DBT, DSIR and DRDO

Over a hundred year ago in 1906, His Holiness Sant Attar Singh Ji Mastuane Wale had shared his Divine Vision with his spiritual follower Sant Teja Singh ji MA, LLB, AM (Harvard) about a sacred place in the Himalayan region of erstwhile Nahan State (now known as Baru Sahib) where many sages and seers had meditated on the Divine Name. The place was also blessed by Shri Guru Gobind Singh ji, during his visit to Nahan State. Sant Attar Singh Ji had desired that the place should be established as Spiritual Centre for the educational institutions imparting Value-Based Education combined with modern scientific education on the pattern of old Gurukuls like Nalanda and Takshashila Universities of the past.

As ordained, Sant Teja Singh Ji revealed the Divine Valley Baru Sahib in 1956 to his spiritual disciple Baba Iqbal Singh Ji and later purchased the entire Baru village of 460 acres from Thakur Joginder Singh, the owner of the land. Sant Teja Singh Ji visited Baru Sahib in 1959 at the age of 82 along with his many highly educated devotees. During his second visit to Baru Sahib, a small mud structure Gurudwara with a verandah was constructed and Shri Guru Granth Sahib was ensconced. During the prayer he prophesied that with the Will of God this place would turn into a great spiritual center from where Colleges, colleges and a divine University will impart Value-Based Education from Nursery class up to the Ph.D. level. Sant Teja Singh Ji established a trust in 1965 with his six devotees. It was registered as "The Kalgidhar Trust" on October 22, 1982 by Baba Iqbal Singh ji, the then Director Agriculture, Himachal Pradesh, to promote world peace through spiritual and value-based education and universal brotherhood. To further the cause of The Kalgidhar Trust, the first Akal Academy was established at Baru Sahib in 1986 and the outstanding model has been translated to network of more than 130 Akal Academies in six states of northern India and two Universities, Eternal University at Baru Sahib (HP) and Akal University at Talwandi Sabo, Bathinda (Punjab).

Eternal University, Baru Sahib was established under the Himachal Pradesh Government Act No.3 of 2009 to impart Values-Based Education in the subjects of Arts,

Sciences, Nursing, Engineering and Technology, Agriculture, Divine Music, Education and Public Health etc. Eternal University is a world class multi-faculty.

QUALITY STATEMENT

Determination, enquiry, perseverance, ethical conduct, probity, transparency, accountability and continuous self-evaluation and improvement form the cornerstones of all endeavours' for holistic and inclusive growth and development of society through excellence in academics, research and all other relevant and meaningful pursuits.

ACADEMIC STRUCTURE

The University has implemented Choice Based Credit System (CBCS) at the Post Graduate level which is a first in the country in terms of curriculum-related reforms towards multidisciplinary approach. The University system comprises Colleges, equivalent to a Faculty in traditional University System, which have been defined very broadly and with wider flexibility in University ordinances. Each College is headed by the Dean and the Departments/Centres under the College are headed by the Head/Director. Colleges have interdisciplinary and multi-disciplinary approach with focus on both—pure and applied aspects of learning. Dedicated to its vision and mission, University offered various academic programmes in the following Colleges of Studies during the Academic Session 2016-17:

AKAL COLLEGE OF AGRICULTURE (ACA) was established by the Eternal University, Baru Sahib for providing undergraduate [B.Sc. (Hons.) Agriculture and B.Tech. Food Technology] and postgraduate (M.Sc. and Ph.D.) teaching, research and development in the field of agriculture and allied streams like B iotechnology (with specialization in plant, medicinal, environmental, microbial and industrial biotechnology) and Food Technology to ensure food, nutrition and health security to ever increasing global population. B.Sc.(Hons.) Agriculture programme was started in 2014 with intake capacity of 60 girl students. A number of functional food crops including QPM maize, KTI free soybean, buckwheat, oats, barley, amaranths, finger millet, linseed and pearl millet have been grown, maintained and analysed for their nutraceutical potential. About 10 medicinal plants locally distributed are being analysed for their phytochemical and therapeutic applications. The college organized a National Symposium on Advances in Biotechnology for Crop Improvement" on 12'h July 2014 in which more than 250 faculty and students participated from various Universities such as Shoolini University, Jaypee University, PAU Ludhiana, HAU Hisar, Dr YS Parmar UHF Nauni etc

AKAL COLLEGE OF ARTS AND SOCIAL SCIENCES (ACASS), was established to promote ideals as enunciated by our founder Saint, Sant Attar Singh ji. He said, "Students must engage themselves in right earnest to the task of getting the required knowledge, both spiritual and worldly so as to become the messengers of peace and spiritual brother-hood; Imbued with love and compassion they should serve the downtrodden and the neediest of the needy and thereby to help in establishing permanent peace in the world ."

AKAL COLLEGE OF ARTS AND SOCIAL SCIENCES HAS THREE WINGS:

The first wing **"Dept. of Divine Music & Spiritualism"** was established in 2008. It offers various courses in Music such as B.A. (Hons.) Music, in Gurmat Sangeet, Music Instrumental (String Instruments) and in Tabla, M.A. (Music) in two streams: i) Music Vocal, and ii) Music Instrumental. Music Vocal is based on Indian Classical Music whereas some of its portions are based on Gurmat Sangeet. Under Music Instrumental the following string instruments are taught: Sitar, Sarangi, Sarod, Violin, Rabab, Dilruba,Taus, Taar-Shehnai, Saranda and Ph.D. (Music).

The second wing "**Dept. of English and Communication Languages**" was established in 2009. The college offers a three years programme leading to Bachelor of Arts (B. A.), a two years degree programme for M.A. in English and Ph.D. in English. The main objective of the university in establishing this department was to develop impressive linguistic capacities of students and also enable them to design models of interpretation and explanations through strategic thinking.

The syllabi have been framed in such a way that the students can equip themselves with knowledge of historical, literary and cultural dimensions of English and the works of Indian writers in English literature. Besides, they can identify passages in texts for case studies in soft/communicative/cognitive skills and may write papers for national and international journals transmitting existing information with clarity and brevity to convince others of the importance of effective communication.

The objective of the department is to enhance learners' understanding of the methods and mechanics of Research Writing and to develop in them historical and scientific approach to research.

The third wing "Deptt. of Psychology", offers B.Sc. (Hons.) Psychology. Psychology is one of the most exciting and interesting subjects available. It is the study of human behaviour in all its forms; normal and abnormal, natural and learned, productive and destructive. It is a modern and progressive area of study, which is currently experiencing unprecedented development. It aims at understanding the complexities of mental processes, experiences and behaviour of individuals and groups. A psychology student can apply knowledge of psychology to understand events, treat mental health issues, and improve education, employment and relationships.

AKAL COLLEGE OF BASIC SCIENCES (ACBS), at Eternal University, Baru Sahib envisages becoming a world renowned centre for quality education and cutting edge interdisciplinary research in basic and advanced sciences. ACBS offers B.Sc.(Hons),M.Sc. and Ph.D. programs in order to nurture the young minds for scientific challenges imbibe skills to handle professional and academic commitments and to fulfil the need of trained manpower towards the mission of Skilled India. ACBS is equipped with world class laboratory facilities, equipment's, instruments and experimental fields. ACBS has experienced and distinguished faculty of international repute working in diverse and cutting edge research areas.

Advantages and Relevance of Honors Degrees at Undergraduate Level in Basic & Applied Sciences

Basic sciences remain the source of knowledge and backbone of major scientific innovations through applied and cutting edge current research. There is continuously increasing trend of strengthening and government funding in Basic Sciences in terms of scholarships, fellowships and research grants (INSPIRE, DST). Therefore, with the better infrastructure in institutions, Honors degrees at undergraduate level in basic and applied sciences offer the following advantages:

- Advanced level of understanding of the subject.
- Advanced practical skills for employability.
- Relative preference for admission to higher degree courses.
- Advanced knowledge for success in competitive examinations.
- Preferred choice for placement in industries and corporate sectors.

AKAL COLLEGE OF ECONOMICS, COMMERCE AND MANAGEMENT (ACECM), is offering under graduate and postgraduate degree programmes in the relevant disciplines. The college offers three year degree programmes viz, B.Sc.(Hons.) Economics and B.Com (Hons.). The college is also offering M.Sc. (Economics), M.Com. and MBA programmes with specialization in Marketing, Finance, Human Resource Management, Health Care and Agri- Business Management. The college has recently started Ph.D.in Economics. The study of economics provides a good opportunity to gain an edge in today's rapidly globalizing world economy. Globalization has brought us closer to several issues pertaining to commerce & management, raising the larger issues of administration and international mobility Faculty of the college have active research interests which ensure that teaching is relevant and reflects developments in the relevant disciplines. Teaching in the college is a mixture of lectures, seminars and workshops. It aims to improve student's written and oral proficiency, their presentation in English and communication skills. The college aims at producing highly trained young professionals in economics, commerce and management to assume responsibilities for managing industry, agri-business, finance, banking, insurance, business and trade. The college has also undertaken many projects which help in studying consumer's behaviour, measuring employee's satisfaction, studying impact of health status on economic development and role of service areas like banking & insurance. Akal College of Economics, Commerce and Management is committed to educating students who will not only succeed in their chosen careers, but will also utilize their professional training and expertise to contribute to the nation and society as a whole.

AKAL COLLEGE OF EDUCATION (ACE), is the premier institute exclusively for girl students who would like to excel and make their career in the field of education. Lot many innovative changes in the College education system are taking place in India and are bringing about radical changes in the pedagogy and approaches to primary and the secondary education. We have adopted these practices in our College at Baru Sahib and it provides unique, first hand and in depth learning environment not only for the students but also the budding teachers-particularly during their College internship in CBSE, Cambridge, and International Baccalaureate affiliated schools

AKAL COLLEGE OF ENGINEERING & TECHNOLOGY (ACET) was established in 2007 by the Kalgidhar Trust. The college aims at providing value based latest scientific and technical education for achieving the highest level of professional competency among the students as per the demand of modern industries and institutes to make their placement easy anywhere in the world. The college also strives to inculcate disciplined living, honesty, integrity, high moral character and hard work so that these students grow into good human beings and become asset to the nation. Keeping in view the increasing demand, B.Tech. in Electrical and Electronics Engineering, M.Tech. in Renewable Energy with emphasis on solar, hydrogen production and biomass based energy sources are being offered from the academic session 2015-16.

AKAL COLLEGE OF HEALTH & ALLIED SCIENCES (ACHAS):

Akal College of Nursing – Akal College of Nursing was established in year 2008 with the approval of Himachal Pradesh Nursing Registration Council and Indian Nursing Council. The college is offering B.Sc. Nursing of four years and M.Sc. Nursing of two years courses. Akal College of Nursing is the leading Nursing College in Himachal Pradesh with the credit of starting first PG course in Nursing in the State. The College is rendering its services to the medical society and also participating in community services in the nearby villages of Baru sahib.

Centre for Public Health and Healthcare Administration - An integral component of Akal College of Health & Allied Sciences of Eternal University, Baru Sahib has been functioning since July, 2010.The Centre is functioning in close collaboration with Akal Charitable Hospital, Akal College of Nursing, and Akal De-addiction and Rehabilitation centre and disseminates basic understanding of public health systems and develop effective technologies for application across the wide range of social needs through education and research. With the increase in public health problems in all spheres of life the world over, the demand and scope of public health expertise has also increased. It gives us pleasure to share with one and all that our University has started two years residential courses, one in Master in Public Health (MPH) and another Master in Hospital Administration (MHA).

TRAINING & PLACEMENT CELL:

Training & Placement Cell of Eternal University is constituted with the objective of providing a platform for the corporate and institutional interaction. Placement cell finds out the rich opportunities for the upcoming leaders of the corporate. The cell in cohesion with students aims to cater the growing challenges of the industry and inculcating in the students the leadership and technical ability to provide their valuable contribution.

Placement cell is well organized and has a long list of well qualified and experienced professionals from industry and academia. The cell is headed by the Training & Placement Officer and a team of Placement Coordinators from each department. The cell works round the year for effective placement of the students and activities are conducted on regular basis in the University.

EXAMINATION AND EVALUATION:

Detailed annual academic calendar is prepared by the University before the commencement of the classes and it is uploaded on the University website. Ordinances define the credit requirements of credits, sessional tests/assignments and evaluation processes.

Students are informed in advance about the protocol of sessional evaluation comprising sessional tests I and II, presentations and assignments. Sessional test I is held during the sixth week of the semester covering the syllabi and courses covered till date. Sessional II is held during the twelfth week. As per the ordinance, End-semester examinations covering the entire syllabi are conducted by the Controller of Examinations. The components of scholastic probation have been introduced at UG and PG levels. As per the Choice Based Credit System Ordinance, the evaluation system is based on the 10 point grading system.

TEACHING QUALITY AND IMPROVEMENT:

All the departments seek Information & Communication Technology (ICT) support to enrich the teaching-learning process. Computers and LCD/LED projectors have been made available to facilitate the ICT-enabled teaching-learning pedagogy in all the departments. Various online learning resources, e-resources and Open Educational Resources (OER) are made available to the faculty through the library. As the campus is fully Wi-Fi, hence the students are having the benefit of online assignments. The ICT is being effectively utilized to make the teaching learning process more vibrant and dynamic. The Science laboratories are equipped with the latest equipment for better teaching, learning and research activities.

University has the practice of encouraging the faculty members to recharge themselves through faculty development programmes, orientation programmes, refresher courses, visiting assignments etc. The University has developed a system to motivate the faculty to participate in National and International seminars and conferences from time to time and there is provision of study leave, academic leave, duty leave and the like for attending such events/occasions.

RESEARCH ACTIVITY OF THE UNIVERSITY:

Working towards realization of its Vision and Mission and in order to accomplish the academic agenda for promoting, producing and disseminating knowledge, quality research, the University, apart from running the courses with multi-disciplinary approach, has adopted engaging teaching-learning pedagogy and provides exciting environment for research. University publishes an interdisciplinary magazine which invites the scholarly inputs from all disciplines and publishes the same under the title **"The EU Voice".**

Faculty members are also encouraged to carry out group project works involving interdisciplinary research activities. About 35% of the faculty have been invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies and 73% of the faculty have participated and presented papers in academic events organized by external professional bodies.

Infrastructure to scholars and faculty members are made available so that best research practices can be adopted. Some of the efforts by the University in this regard are as given below:

- Scholars of various departments are provided with separate spacious rooms with facilities of computers.
- University is part of the UGC-INFLIBNET network of Government of India enabling its members to get online access to wide range of National and International journals in various fields.
- University is also subscribing to various journals in its library. These journals are openly available to students along with proper reading space.
- University has SPSS access to facilitate the usage of the said software package to encourage research. The computers in e-library of the University are installed with SPSS package which are available for usage by all the students and faculty members of University.
- University is also providing all the infrastructure support along with residential facility to post-doctoral fellowship students. Currently, one post-doctoral fellowship is utilizing the infrastructure of University to advance the research capabilities.

CO-CURRICULAR ACTIVITIES AND COMMUNITY SERVICES OF THE UNIVERSITY:

University has made all out efforts towards ensuring this vision. It has tried to realize this dream by building partnership with community, with neighbouring educational institutions, and with all stakeholders. Some of the cells and clubs of the University address the issue of inclusive education. For example, Anti Ragging Cell, Cell for Differently-Abled, Women Empowerment Cell, SC/ST Grievances Cell, Internal Quality Assurance Cell, Internal Complaint Committee for Prevention, Prohibition and Redressal of Sexual Harassment. Thus the University is fully dedicated to make the learning environment more democratic and inclusive. Realizing the mission to serve the neighbouring community, University has adopted five Gram Panchyats in Distt. Sirmour viz Lana Bhalta, Lana Miun, Dimber, Kathli, and Mangarh for inclusive development.

GOVERNANCE OF THE UNIVERSITY:

Eternal University is based on the principles of equality and inclusiveness which focuses on the consensus oriented approach of all the stakeholders.

Transparency and Accountability are the two central pillars of governance for which University adopts e-governance for information delivery and other services to the stakeholders. University focuses on Green channels which facilitates paperless administration.

Eternal University has developed various mechanisms for the leadership to interact with its stakeholders, for example, Executive Council, Academic Council, Finance Committee, Students' Council; interaction with the Visitor in the Annual conference of Vice Chancellors at University leadership keenly participates in the activities of Industry Interface Cell, Alumni Association, Teachers-Parents Meet, Grievance Redressal Cell and Centre for Community Development, *Unnat Bharat Abhiyan* Cell, and Group for the Promotion of Arts, Culture and Heritage, Women Empowerment Cell, Innovation Skills and Entrepreneurship to interact with the participants from different spheres.

BLUEPRINT AND FUTURE ROAD MAP:

I. Some of the thrust areas that University proposes to focus on priority basis include—

- Identifying the prospective areas requiring immediate attention for creating vibrant academic and research environment and to review all the on-going projects in the departments.
- Making the website a repository of all the available information, facilities, resources and opportunities that the University offers, so that the stakeholders of the University are not deterred by any barriers of geographical location while accessing the relevant information.
- Establishing credible open forums for interaction with the teaching, learning and the non-teaching community to understand their needs, demands and aspirations to see the desired changes.
- Grant from International bodies under their social and academic initiatives.
- Special initiatives and programs for differently-abled and disadvantaged students to realize the vision of inclusive quality education. All efforts shall be made to make the campus differently-abled and disadvantaged-friendly as per the requirements and guidelines of Government of India (GOI). A duly constituted special cell shall initiate affirmative action and monitoring of progress of all such programs towards equal opportunity to all the students even for exploring the possibilities to create and generate employment opportunities.
- Grants and aids will also be provided to deserving students for enhancing their employability skills. University also proposes to establish sports facilities for the differently-abled students to further ensure their all-round development.

- Equal Opportunity Cell will ensure that all sections of the students are provided appropriate support and special initiatives will be undertaken for bringing students of the backward and underprivileged sections at par with others to offer them a level playing field for competition.
- University proposes to launch Technical Vocational Courses to empower the students with technical skills.

II. Empowering and strengthening existing University System:

- **E-Governance:** To bring the entire functioning of the University under the ambit of e- Governance, the University shall expedite the digitization process. The entire University will be linked through internet so that all the Colleges, departments and centres will be on a common network.
- **Transforming education system for creating exciting opportunities- Choice Based Credit System (CBCS)**
  - Shift in focus from teacher-centric to student-centric education.
  - Allows students to choose innovative curriculum through inter-disciplinary, intra- disciplinary courses, skill oriented papers, vocational education and encourages more flexibility for students.
  - Makes education broad-based and at par with global standards
  - Ease of mobility for students.
- **Faculty Development and Empowerment Cell:** Creating opportunities for the faculty to get oriented to latest innovative pedagogies, research methodology and professional skills by providing training through induction courses/workshops and seminars at regular intervals.
- **College/Department Development Program:** Enriching state of the art Labs with more equipment and securing funds from various GOI schemes for creating department-centric research facilities and developing Learning Resource Centres.
- **New learning and teaching pedagogy initiatives:** University proposes to create the facilities for developing e-learning material and also to facilitate the starting of MOOCs (Massive Open Online Courses).
- **Placement Opportunities:** The Career Counselling, Training and Placement Cell will be refurbished to bring maximum number of students under its ambit. Registration and profiling of all students in the placement cell will be made mandatory so that each student gets the opportunity to apply for jobs.
- **Instituting Research Awards:** University proposes to institute many more awards for recharging and motivating the faculty like—Best Research Paper Award, Best Teacher Award, Best Employee Award and Best Department Award in terms of maintenance and cleanliness, etc.
- **Centre for Academic Auditing:** This centre will be responsible for evaluation of all academic, research and associated activities of different Departments and Centres of the University. It will also be tasked with setting up of future benchmarks for the University.
- **Centre for Policy and modelling:** This centre will focus on creating value in the following areas:
  - Policy for self-sustenance at macro and micro level of governance
  - Carbon footprint and Green initiatives Policy
  - Unified e-Content formulation, implementation and outreach Policy
  - Policy for reforms in Socio-Economic delivery mechanism
  - Modelling for Crop prediction and associated studies
- **Centre for Secondary Agriculture and Energy Harvesting:**
  i. Aimed at adding value to crop residue, Centre on Bio-energy and Bio-materials is proposed for developing technologies for production of alternate fuels and biomaterials.

ii. Energy harvesting is a new and rapidly developing concept, which strives to generate energy from everyday processes for powering low energy everyday requirements. The basic concept is to harness unproductive energy from various processes and convert it into electricity like rubbing, pressure, air friction, tidal energy, rotatory motion, body heat etc.

- **Centre for Innovation, Skills, Entrepreneurship and Employment:** This centre will be made into a dynamic hub to provide all solutions related to students employment. Special emphasis will be laid for developing soft skills of the students like communication, team building, leadership and domain skills
- **Courses on Diagnostics:** Diagnostic techniques require the user/learner to have a broad based knowledge, which is inter-disciplinary and multi-disciplinary in nature. The courses on diagnostics will seek to bridge the gap between the knowledge and skills required and those available in the existing courses by offering a course dealing with all the aspects of Diagnostics.
- ***Solid Waste Management:*** Initiatives for solid waste management will be undertaken so that the University becomes a zero-waste University. Options will be explored for utilizing the waste to create energy and other productive materials.
- ***E-Waste management:*** E-waste is increasingly becoming an environmental disaster and processes will be put in place to recycle and effectively dispose the e-waste that is generated by the University.
- **Energy generation:** Setting up of solar street lamps, solar panels on University building's rooftops and designing of new buildings on the concept of zero-energy/green buildings.
- ***Water harvesting:*** A feasibility study will be conducted to implement water harvesting so that University is able to meet at-least part of requirement of water from its own sources.
- ***Solar Power Plant:*** University proposes to establish solar power generation plant as a sustainable means to generate eco-friendly and cost-effective energy. University is ahead to furtherance of its objects through deliberate approaches and strategies through doctrine of decentralization of governance and delegation of execution of its policies and programmes through channel of various committees working with full autonomy.

STRENGTH, WEAKNESS, OPPORTUNITY & CHALLENGE (SWOC)

Strengths:

- ❖ Eternal University Baru Sahib is one of biggest state private Universities of Himachal Pradesh with well-defined vision and mission.
- ❖ Campus is enriched with scenario mountainous, environmental and healthy climatic conditions
- ❖ The University abode of sages has maintained its identity in all times and trends and has always remained a unique cultural and spiritual centre with high principles of sustenance.
- ❖ Well known for quality teaching with a galaxy of renowned teachers serving this institution and acclaimed nationally and internationally.
- ❖ All the faculty members of the University are visionary, dedicated, committed and highly duty conscious.
- ❖ Diversity of courses with competent faculty members and enriched with infrastructure and other resources.
- ❖ Net-working with national and international organisations.

- University provides residential accommodation to all the faculty members at the campus.
- University has hostel facility for all the students, and has a guest house for their parents during their visit to the university.
- University has Solar Energy System to meet partly the day to day energy requirements of the university.
- University has a 100 bed hospital to provide free medical care to the students, teachers and inhabitants of the neighbouring villages.
- University has adopted five clusters of inclusive villages for full development by deploying students and faculty.
- Eternal University has been ranked one of the Best University in Himachal Pradesh by Higher Education Review.
- Well maintained huge campus with sufficient number of class rooms, sufficient departmental lab spaces, spacious and well- established library hosting some rare collections of books & manuscripts, adequate indoor and outdoor sports facilities with playgrounds, green campus and other facilities.
- Innovative academic expansion.
- A long tradition of mentoring of students by teachers on their own initiative. University has a well-established student support system taking care of their academic and financial needs.
- The University offers education with least monetary burden on the students while at the same time offering a quality life and living on the campus.
- The University has maintained an astute awareness of the demands of the contemporary world and keeping that in view it has always been initiating new courses.

Weaknesses:

- Limited enrolment due to its remote location, residential status very lowest density of backward population and admission to girls only.
- High impact factor yet to be achieved by the faculties in publications.
- Scope for augmentation of ICT tools in academic and administrative areas.
- Limited financial support by the state and central governments.

Opportunities:

- Self-financing courses have potential for quality education on subsidized fee. These courses have raised the employability of students. More such courses would strengthen the University's academic and financial standing.
- The University is full of opportunities for students to grow in a holistic manner through a cultural, intellectual, co-curricular and extra-curricular exposure in a healthy environment.
- The University is a place for all the marginalized sections of region to get an opportunity to grow and thus acquire self-esteem.
- The University has opportunities to offer to its budding citizens with an exposure of community development and welfare.
- Scope for professional consultancies.
- Planned efforts for attracting foreign students.
- Expansion of University-Society Interaction for sustainable development.

- ❖ Scope for expansion of Physical Infrastructure in future towards establishing new departments in emerging disciplines.
- ❖ The University has enormous unused potential to significantly contribute to the development of knowledge inspired services to Society & Industry.

Challenges:

- ❖ Induction of competent faculty on vacant sanctioned posts is the most crucial challenge for appointing authority
- ❖ Sustaining the pace of development and quality education in view of global trend in higher education. New experimentation and simplifying the designing of course and syllabus of new disciplines are required.
- ❖ Maintaining students placement graph and packages on higher side
- ❖ Encouraging productive research.
- ❖ Providing quality education to deprived sections and underprivileged.
- ❖ Harness energy of alumni for their "Time, Talent and Treasure".
- ❖ Bringing the University at par with the Global Standards of Learning.

Looking Ahead: Future Plans:

- ❖ Development of new infrastructure such as modern gymnasium, swimming pool, indoor stadium, separate building for self-financing courses, animal house, alumni dedicated guest house and one well equipped large modern auditorium.
- ❖ Research Promotion Cell and e-learning Resource Centre shall be augmented with new technological tools and skilled & efficient human resources. The post of Dean Sponsored Research & Industrial Consultancy will be created and filled with a competent scientist strengthening academia-industry linkage.

  Rapidly transfer information from one place to another. When information is transferred quickly and efficiently, the company or organization will be able to act on the data within a short period of time.

Eternal University

(World peace through value based education)

Ref. No. EU/VCO/COM/023 February 26, 2017

COMMITTEE

In pursuance of Clause 21 of Eternal University (Establishment and Regulations) Act No 3 of 2009 and clause 24(i) of First Statue of Eternal University, the undersigned is pleased to constitute Steering Committee for NAAC inspection:

a)	Dr. BS Boparai	- Chairman
b)	Dr. Ramesh Arora	- Coordinator
c)	Dr. Jasvir Chahal	- Member Secretary
d)	Dr. Noor Mohamad	-Member
e)	Dr. Devi Lal Punia	- Member
f)	Dr. Rahul Kumar	- Member
g)	Dr. Vinod Kumar	- Member
h)	Dr. Karan Singh	- Member
j)	Dr. Vivek Sharma	- Member
k)	Dr. HS Chauhan	- Member
l)	Dr. Lekha Vishwanath	- Member
m)	Dr. Jaswant Singh	- Member
n)	Dr. Om Sharma	- Member
o)	Dr. RC Sharma	- Member
p)	Dr. Anjana Attri	- Member
r)	Mrs Raina Bhatia	- Member
s)	Mr Kuldeep Singh (TPO)	- Additional Member Secretary

The committee will start its functioning with immediate effect.

(Dr. HS Dhaliwal)
Vice Chancellor

Vice Chancellor
Eternal University
Baru Sahib (H.P.) 173101

Distribution:
All Concerned

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Eternal University

(World peace through value based education)

Ref : EU/VCO/UO/95

Date : March 06th, 2017

NOTIFICATION

In pursuance of clause 21 of Eternal University (Establishment and Regulations) Act No-3 of 2009 and Clause 24(i) of The First Statutes of Eternal University, the Hon'ble Chancellor of Eternal University is pleased to reconstitute Internal Quality Assurance Cell consisting of the following members:

1. Dr. H.S. Chauhan	-	Chairperson
2 Dr. Davinder Singh	-	Member
3 Dr. Neelam Kaur	-	Member
4 Dr. Ajit Singh	-	Member
5 Dr. B.S. Boparai	-	Member
6 Dr. J.L.Sharma	-	Member
7 Dr. P S Cheema	-	Member
8 Dr. BS Sohal	-	Member
9 Dr. Lekha Vishwanath	-	Member
10 Mrs. Ranjit Kaur	-	Member
11 Dr. Purvi Luniyal	-	Member
12 Mr. B.S. Lamba	-	Member
13 Dr. Noor Danish Ahrar Mundari	-	Member
14 Mr. DK Sharma	-	Member
15 Dean of Students Welfare	-	Member
16 Training & Placement Officer	-	Member
17 Mrs. Raino Bhatia	-	Member
18 Dr. Sushma Sharma	-	Member
19 Ms Nandita Thakur	-	Member
20 Dr. Harpreet Kaur	-	Member
21 Jasmeet Singh/Karan Singh/Head Cd (24)	-	Member
22 Head HR Department Medanta Gurgaon	-	Member
23. Dr. Kulbhushan Kumar	-	Member Secretary

1. The aforesaid Committee will start functioning with immediate effect.
2. The required quorum of the meeting will be the presence of 1/3 members.

(8)

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3. The Chairperson and Member Secretary will be responsible to hold regular meetings of the Cell at least one in a month.
4. The Deans/Principals/HODs and other members will take active parts in the meeting of the Cell.
5. The member Secretary will submit the proceeding of each meeting duly approved by the Chairperson to the undersigned for further action.

This will repeal the previous Notification No EU/VCO/072/74 dated August 19th, 2015.

H. S. Dhaliwal

(Dr. H.S. Dhaliwal)
Vice Chancellor
Eternal University

Vice Chancellor
Eternal University
Baru Sahib (H.P.) 173101

Copy to:

All concerned

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Eternal University

(World peace through value based education)

Ref No : EU/RO/NOTFN/21 Dated : 09th September 2015

NOTIFICATION

In pursuance of Clause 20 (i) of Eternal University (Establishment and Regulation) Act No. 3 of 2009 Clause 20 and Clause No. 18 (i) (a) and (b) of the First Statute of the Eternal University, Baru Sahib. The Chancellor of Eternal University is pleased to re-constitute the Academic Council of Eternal University, Baru Sahib consisting of the following members by superseding the previous notification EU/RO/NOTFN/21 dated 23rd March 2015:

1.	Dr. H.S. Dhaliwal (Vice Chancellor)	Chairman
2.	Dr. Davinder Singh (Registrar)	Member/Secretary
3	Dr. Neelam Kaur (Dean Faculty of Health & Allied Sciences and Dean Faculty of Education)	Member
4	Dr. BS Boparai (Dean, Akal College of Agriculture)	Member
5.	Dr.BS Sohal (Dean, Akal College of Basic Sciences)	Member
6.	Dr. PS Cheema (Dean, Akal College of Science & Technology)	Member
7.	Dr. Poorvi Luniyal (Dean Akal College of Arts & Social Sciences)	Member
8.	Dr. J.L. Sharma Dean Akal College of Economics, Commerce & Management)	Member
9.	Dr. Ajit Singh (Dean Library & Information System)	Member
10.	Controller of Examination	Member
11.	Dean Student Welfare	Member
12.	Director Admission & Placement	Member
13.	Principal Akal College of Education	Member

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14.	Principal Akal College of Nursing	Member
15.	Krishan Kumar, (Professor Fruit Sciences Dr YS Parmar University of Horticulture & Forestry, Nauni, Dist Solan (HP)	Member
16.	Dr. Manmohan S. Arora Block No-D, Room No 828, 2nd Floor New Friends Colony New Delh-11065	Member

H.S. Dhaliwal

(Dr. H.S. Dhaliwal)
Vice Chancellor
Eternal University
Baru Sahib

Eternal University

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Ref No: EU/RO/NOTFN/021 : Dated: 5th April, 2017

NOTIFICATION

In pursuance of Clause 22 of First Statutes of Eternal University (Establishment and Regulation) Act No. 3 of 2009 and Amendment Act No. 23 of 2012. The Chancellor of Eternal University is pleased to constitute the **FINANCE COMMITTEE** of Eternal University, Baru Sahib consisting of the following members by superseding previous Notification No. EU/RO/NOTFN/021 dated 9th September, 2015:

Sr. No.	Name(s)	Designation
1	Dr. H.S Dhaliwal (Vice Chancellor)	Chairman
2	Dr. Davinder Singh (Registrar)	Member
3	Dr. B.S. Sohal	Member
4	Dr. J.L. Sharma	Member
5	Dr. Ajit Singh	Member
6	Sh. D. L. Thakur, Joint Controller (LAD), Resident Audit Scheme, H.P. University, Summer Hill, Shimla - 5 (09816242924 & 0177-2830892) Email ID - **dlthakur1957@gmail.com**	Member (Government Nominee)
7.	Mr. D.K. Sharma, B -73, Sector-II, Main Road, New Shimla, Shimla - 9	Member
8	Dr. Satish Chandra Tiwari (Chief Finance & Account Officer)	Member

H.S. Dhaliwal

(Dr. H.S. Dhaliwal)
Vice Chancellor
Eternal University, Baru Sahib

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Ref No : EU/RO/NOTFN/021 Dated: 09th September 2015

NOTIFICATION

In pursuance of Clause 19 (i) of Eternal University (Establishment and Regulation) Act No. 3 of 2009 and Amendment Act No. 23 of 2012. The Chancellor of Eternal University is pleased to reconstitute the BOARD OF MANAGEMENT of Eternal University, Baru Sahib consisting of the following members superseding the previous Notification No EU/RO/NOTFN/021 dated 08th Jan 2015:

1.	DR. H.S. Dhaliwal(Vice Chancellor)	Chairman
2	Dr. Davinder Singh(Registrar)	Member Secretary
3	Dr. BS Boparai (Dean)	Member
4.	Dr. Neelam Kaur (Nominee of Sponsoring Body)	Member
5	Dr. Ajit Singh(Dean)	Member
6	Dr. Mahaveer Singh (Deptt of Physics, HP University, Shimla)(09218708512 & 0177-2830950)	Member Government Nominee
7	Sh RL Chauhan (Ex-Principal NIT),Kehan Niwas, Kelston Estate, Shimla-171001 (019724152)	Member Government Nominee
8	Sh. B.S Lamba (Nominee of Sponsoring Body)	Member
9	Dr. Jagmohan Singh Chauhan (Professor) Ex Vice Chancellor, Vill-Kothon, PO:Shamti, The & Dist : Solan Pin-173212 (HP)	Member
10.	Mr. D.K. Sharma,(Professor), B -73, Sector-II, Main Road, New Shimla, Shimla-9	Member

H.S. Dhaliwal

(Dr. H.S. Dhaliwal)
Vice Chancellor
Eternal University
Baru Sahib

V.P.O. - Baru Sahib, Via-Rajgarh, Distt : Sirmour, Himachal Pradesh – 173101 (India)
Phones - +91-9805098720(M), +91-1799-276012(LL), Fax: 01799-276006
E-mail : contact@eternaluniversity.edu.in, Web site: www.eternaluniversity.edu.in

Eternal University

(World peace through value based education)

Ref No : EU/VCO/NOTFN/021 Dated :0 9th September 2015

NOTIFICATION

In pursuance of Clause 18 (i) of Eternal University (Establishment and Regulation) Act No. 3 of 2009 and Amendment Act No. 23 of 2012. The Chancellor of Eternal University is pleased to reconstitute the GOVERNING BODY of Eternal University, Baru Sahib consisting of the following members superseding the previous notification No EU/RO/NOTFN/21 dated 08th Jan 2015:-

1.	Hon'ble Baba Iqbal Singh Ji (Chancellor)	Chairman
2.	Dr. H.S. Dhaliwal (Vice Chancellor)	Member
3.	Dr. Davinder Singh (Registrar)	Member (Nominee of Sponsoring Body)
4.	Vice Chancellor of Akal University, Talwandi Sabo	Member (Nominee of Sponsoring Body)
5.	Dr. Neelam Kaur	Member (Nominee of Sponsoring Body)
6.	Dr. Jeet Singh Sandhu Deputy Director General(Crops Sciences) ICAR, Krishi Bhawan, New Delhi-110001 09582898978, Email:js_sandhuin@yahoo.com	Member (Outside Expert)
7.	Sh Kirnesh Jung Hon'ble MLA,Paonta Sahib(Vill-Ganguwala, PO:Paonta Sahib(HP)/Set No 407 JVS Shimla-04) (09816400067)Email-jungkirnesh@yahoo.com	Member (Member of State Legislative Assembly)
8.	Sh. Kishori Lal Hob'ble MLA,Baijnath(VPO-Baijnath, Kangra-176125/Set No 303, JVS Shimla-4)(09816334452 & 01894-263253)	Member (Member of State Legislative Assembly)
9.	Prof A.R.Chauhan,Pro-VC (Retd), R/o Sai Nilayam,D-25,Lane-1, Sector-2, New Shimla, Shimla-9(09882496000 & 0177-2671249) Email - anantsml@gmail.com	Member (Government Nominee)

V.P.O. - Baru Sahib, Via-Rajgarh, Distt : Sirmour, Himachal Pradesh – 173101 (India)
Phones - +91-9805098720(M), +91-1799-276012(LL), Fax: 01799-276006
E-mail : contact@eternaluniversity.edu.in, Web site: www.eternaluniversity.edu.in

10.	Dr. D.J Das Gupta (Former Principal,IGMC(Retd), A-479, Sector-4, New Shimla(09418027095) Email-djdgupta@gmail.com	Member (Government Nominee)

H.S. Dhaliwal

(Dr. H.S Dhaliwal)
Vice Chancellor
Eternal University
Baru Sahib

ABOUT UNIVERSITY

ETERNAL UNIVERSITY, BARU SAHIB

[Established under the Himachal Pradesh Private Universities

(Establishment & Regulation)

Act 2008 & Himachal Pradesh Government Act No 3 of 2009]

OUR MISSION

To Establish Permanent Peace in the World through Value Based Scientific Education, Spiritual Rejuvenation and Women Empowerment

WHY EU IS THE APEX CHOICE?

- Sprawling Campus in the Divine Valley
- Unique Model of Value Based Education
- Safe and Secure Environment for Student Fraternity Drug, Ragging and Pollution-Free Environment Scholarships to Meritorious UG Students
- MoUs with the Leading Foreign and National
- Universities & Institutions
- Unique University- Industry Partnership Education
- Programmes
- Opportunity to Earn While You Learn Programme
- Fully Residential Campus for Students, Staff and
- Faculty
- Eco-friendly,Vegetarian, Nutritious and Hygienic
- Food
- Empowerment of Weaker Sections of Society, Especially Women
- Distinguished Guest Faculty from Reputed
- International & National Universities
- Excellent Placement Network with MNCs and
- Kalgidhar Trust Institutions
- Well Equipped Gym, Indoor and Outdoor Sports activities
- Books, e-journals and Round the Clock Wi-Fi
- ATM, SBI, Post-Office, General & Wellness Store and Canteen at the Campus
- CBCS, Skill Development and Certification

The Following Colleges have already been established under Eternal University: -

- **Akal College of Engineering & Technology**
- **Akal College of Basic Sciences**
- **Akal College of Agriculture**
- **Akal College of Economics, Commerce & Management**
- **Akal College of Arts & Social Sciences**
- **Akal College of Health & Allied Sciences**
- **Akal College of Education**

ACADEMIC PROGRAMMES FROM 2017-18 SESSION:

Akal College of Engineering & Technology
B.Tech. ETE
B.Tech. CSE
B.Tech. EE
M.Tech. ETE
M.Tech. CSE
M.Tech. EE
M.Tech. Renewable Energy
M.Tech. Material Science & Engineering
Ph.D. CSE
Akal College of Basic Sciences
B.Sc. Medical
B.Sc. Non-Medical
B.Sc. (Hons.) Mathematics
B.Sc. (Hons.) Chemistry
B.Sc. (Hons.) Physics
B.Sc. (Hons.) Microbiology
B.Sc. (Hons.) Biochemistry
B.Sc. (Hons.) Botany
M.Sc. Biochemistry
M.Sc. Botany
M.Sc. Microbiology
M.Sc. Maths
M.Sc. Chemistry
M.Sc. Physics
M.Sc. Environmental Sciences
Ph.D. Chemistry
Ph.D. Biochemistry
Ph.D. Physics (including Renewable Energy for 2015-16 session)
Akal College of Agriculture
B.Sc. Agriculture (Hons.)
B.Sc. (Hons.) Zoology
B.Tech. Food Technology
M.Sc. Biotechnology
M.Sc. Food Technology
M.Sc. Zoology
M.Sc. Entomology
M.Sc. Genetics and Plant Breeding
M.Sc. Agronomy
M.Sc. Horticulture
M.Sc. Plant Pathology
Ph.D. Biotechnology
Akal College of Economics, Commerce & Management
B.Sc. Economics (Hons.)
B.Com. (Hons.)
M.Sc. Economics
MBA
M.Com.
Ph.D. Economics
Akal College of Arts & Social Sciences

B.A. (Hons.) Music
B.A. Humanities
B.Sc. (Hons.) Psychology
M.A. English
M.A. Music
Ph.D. English
Ph.D. Music
Akal College of Health & Allied Sciences
B.Sc. Nursing
M.Sc. Nursing
MPH
MHA
Akal College of Education
B.Ed.

LIBRARY:

Eternal University has automated library with 60 computers and 250 students seating capacity. It has acquired more than 42936 books of national and international authors on shelves besides access to curriculum based videos and web courses through NPTEL and MIT course wares and also there are more than 300 CD's/DVD's on different subjects.

Eternal University also subscribes 53 national and international technical journals, magazines, periodicals along with national and regional dailies to keep the students abreast with the latest developments around the globe.

Library is fully Wi-Fi connected with INTERNET at all nodes of the library for access to Educational Resources during all the working hours of the Library.

INTERNATIONAL ACADEMIC COLLABORATION:

- John Hopkins University, Medical College, Baltimore MD, U.S.A.
- Wayne State University, College of Engineering, Detroit MI, U.S.A.
- Drexel University, College of Nursing & Applied Sciences, Philadelphia U.S.A.
- University of British Columbia, Department of Human Nutrition Vancouver BC, Canada.
- University of Toronto at Mississauga (Ontario), Canada.
- Kansas State University, Manhattan, Kansas U.S.A.
- And many others

NATIONAL ACADEMIC COLLABORATIONS:

- Panjab University, Chandigarh, UT.
- Guru Nanak Dev University, Amritsar, Pb.
- Punjab Agricultural University, Ludhiana, Pb.
- G.B. Pant University of Agriculture and Technology, Pant Nagar, Uttarakhand
- Himachal Pradesh University, Shimla, H.P.
- Central University of Punjab, Bathinda, Pb.
- Indian Institute of Technology, Roorkee.
- I.H.B.T (CSIR) Palampur, H.P.
- National Physical Laboratory, Pusa, N. Delhi.
- NIT Hamirprur, H.P.
- National Agri-Food Biotechnology Institute, Mohali, Pb.
- NRCPB, IARI, Pusa, New Delhi
- Punjab Biotechnology Incubator, Mohali, Pb.
- Gujrat Institute of Solar Energy, Gandhinagar.
- And many others

PROFILE OF THE UNIVERSITY

1. Profile of the University

1. Name and Address of the University:

Name:	Eternal University, Baru Sahib	
Address:	VPO - Baru Sahib, Teh. Pachhad, Via – Rajgarh, Distt. Sirmour	
City: Baru Sahib	**Pin: 173101**	**State: Himachal Pradesh**
Website: www.eternaluniversity.edu.in		

2. For communication :

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	Dr. H.S. Dhaliwal	**O:01799276012**	**9805098702**	01799276006	hsdhaliwal07@gmail.com
Pro Vice Chancellor (s)		**O:** **R:**			
Registrar	Dr.Davinder Singh	**O:** **R:**	9816400503		secretarykts@barusahib.org
Steering Committee / IQAC Co-ordinator	Dr. Ramesh Arora	**O:** **R:**	9888037695		arorarame@gamil.com

3. Status of the University:
   State University
   State Private University **- Yes**
   Central University
   University under Section 3 of UGC (Deemed University) Institution of National Importance
   Any other (please specify)

4. Type of University:

   Unitary **- Yes**

   Affiliating

5. Source of funding:

Central Government
State Government
Self-financing **- Yes**
Any other (please specify)

6. a. Date of establishment of the university: **29/04/2008**

b. Prior to the establishment of the university, was it a/an

i.	PG Centre	Yes	–	No	√
ii.	Affiliated College	Yes	√	No	–
iii.	Constituent College	Yes	–	No	√
iv.	Autonomous College	Yes	–	No	√
v.	Any other (please specify)				

If yes, give the date of establishment of the College: **29-06-2007**

7. Date of recognition as a university by UGC or any other national agency:

	Under Section	DD	MM	YYYY	Remarks
i.	2f of UGC*	24	02	2011	
ii.	12B of UGC *	-	-	-	Applied since 2013
iii.	3 of UGC #	-	-	-	-
iv.	Any other ^ (specify)	29	06	2007	AICTE
		21	11	2011	NCTE
		13	08	2012	DSIR
		15	05	2017	INC

* Enclosed certificate of recognition.

Enclosed notification of MHRD and UGC for all courses / programmes / campus/ campuses.

^ Enclosed certificate of recognition by any other national agency/agencies, if any.

9. Has the university been recognized

a. By UGC as a University with Potential for Excellence? - No

If yes, date of recognition : (dd/mm/yyyy)

b. For its performance by any other governmental agency? - YES

Yes No

If yes, Name of the agency DSIR of **Min of Sc. & Tech ,** Govt. of India

D**ate of recognition 13-08-2012**

9. Does the university have off-campus centres? - No

If yes, date of establishment : …… (dd/mm/yyyy)
date of recognition : …… (dd/mm/yyyy)

10. Does the university have off-shore campuses? - No

If yes, date of establishment: …… (dd/mm/yyyy)
date of recognition : …… (dd/mm/yyyy)

11. Location of the campus and area:

		Location *	Campus area in acres	Built up area in sq. mts
i.	Main campus area	Rural Hilly Area of HP	164.93	79362.9
ii.	Other campuses in the	No		
	country			
iii.	Campuses abroad	No		

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, Any other (please specify)

If the university has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

12. Provide information on the following:
In case of multi-campus University, please provide campus-wise information.
University has one campus only as per details appended below:

- **YES- TWO** Auditorium/seminar complex with seating capacity of 350 and 250, respectively. Auditoriums are equipped with latest audio-visual and communication facilities

- Sports facilities — In-door games------- yes
- Playground — Hockey, Cricket, Foot Ball, Volley Ball, Basket Ball, Badminton, Tennis etc.
- Swimming pool — No
- Gymnasium — YES

*Any other (please specify)

- Hostel ----------YES

* Boys' hostel

i. Number of hostels One

ii. Number of inmates 53

iii. Facilities Attached Toilet, re-creation Hall

* Girls' hostel

i. Number of hostels Three

ii. Number of inmates 1054

iii. Facilities Attached/ common toilet facility

*Working women's hostel

i. Number of hostels One with 50 units

ii. Number of family accommodation 169

iii. Facilities Attached toilets and wash rooms

- Residential facilities for faculty and non-teaching Yes
- Cafeteria Yes
- Health centre –
  (i) University has a 100 Bed Hospital in the campus.
  (ii) 11 fully Medically Qualified Doctors- Physio-therapist, and qualified para-medical staff.
  (iii) A fleet of three Ambulance
  (iv) Free medical service/treatment to the students, teaching faculty and staff.
  (v) Free medical treatment to the community.
  (vi) inpatient, outpatient, ambulance, emergency care facility

- Facilities like banking….. YES, State Bank of India with ATM,
- Post office…… YES
- Stationary and book shop……... Yes

- Transport facilities to cater to the needs of the students and staff
  Yes…….Provided on SoS requirement

- Facilities for persons with disabilities Yes

- Animal house …….YES, as per the norms of Bio-ethics Committee, GOI

- Incinerator for laboratories Yes

- Power house ---YES --University has developed its own 230 Kilowatt SOLAR POWER STATION - with financial support from the Dept. Of Renewable Energy, Ministry of Science and Technology, Govt. of India Yes

- Waste management facility Yes-
  1. Compost Producing Unit
  2. Incineration Unit
  3. Craft Paper manufacturing Unit
  4. Drum Composter
  5. Vermi Compositing

13. Number of institutions affiliated to the university …None

Type of colleges	Total	Permanent	Temporary
Arts, Science and Commerce1			
Law	----	----	----
Medicine	----	----	----
Engineering	----	----	----
Education	----	----	----
Management	----	----	----
Others (specify and provide details)	----	----	----

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University. Not applicable

Yes [ ] No [√] Number [ ]

15. Furnish the following information: Particulars	Number	Number of Students
a. University Departments		
Undergraduate	21	896
Post graduate	28	186
Research centres on the campus	08	26

b. Constituent colleges	7	1108
c. Affiliated colleges	----	----
d. Colleges under 2(f)	7	----
e. Colleges under 2(f) and 12B	----	As Above
f. NAAC accredited colleges	----	----
g. Colleges with Potential for Excellence(UGC)	Three	----
h. Autonomous colleges	----	----
i. Colleges with Postgraduate Departments	6	186
j. Colleges with Research Departments	6	26
k. University recognized Research Institutes/Centres		

16. Does the university conform to the specification of Degrees as enlisted by the UGC?

Yes [√] No [ ]

If the university uses any other nomenclatures, please specify. No

17. Academic programmes offered by the university departments at present, under the following categories: (Enclose the list of academic programmes offered)

Programmes	Number
UG	21
PG	28
Integrated Masters	-
M.Phil.	-
Ph.D.	8
Integrated Ph.D.	-
Certificate	-
Diploma	5
PG Diploma	-

Any other (please specify)	-
Total	63

18. Number of working days during the last academic year. 187 (2015-16)

19. Number of teaching days during the past four academic years.

2012-13	20 13-14	2014-15	20 15-16
180	192	180	187

('Teaching days' means days on which classes were engaged. Examination days are not to be included)

20. Does the university have a department of Teacher Education?

Yes [√] No [ ]

If yes,

a. Year of establishment **04 Nov 2011**
b. NCTE recognition details (if applicable)
Notification **No.: F.NRC/NCTE/F-7 NRCAPP-51/183rd meeting (II seating)/2011/12848**

Date: 21/Nov/2011

Is the department opting for assessment and accreditation separately? ..NO

21. Does the university have a teaching department of Physical Education? If yes,

a. Year of establishment …… (21/11/2011)

b) NCTE recognition details (if applicable) Notification No.: **F.NRC/NCTE/FNRC/P-51/183rd meeting (II seating)/2011/12848 Date: 21/Nov/2011**

c) Is the department opting for assessment and accreditation separately? NO

Yes [ ] No [ ]

22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered?

Yes [√] No [ ]

If yes, please enclose approval / recognition details issued by the statutory body governing the programme.

S. No	Course	statutory body	Letter No & date	Intake
1	Engineering	AICTE	F.No.08/01/HP/ENGG/2007-08 dated 29.6.2007	240
2	B.Ed.	NCTE	F.NRC/NCTE/FNRC/P-51/183rd meeting (II seating)/2011/12848 Date: 21/Nov/2011	100
3	B. Sc. Agri	HPPERC	HP-PERC/CA/Eternal/2017-18-3459 dated 30-12-2016	90 (Provisional
4	B. Tech Food Tech	HPPERC	HP-PERC/CA/Eternal/2017-18-3459 dated 30-12-2016	60
5	B.Sc. Nursing	INC	-	60
6	M.Sc. Nursing	INC	-	25

23. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.
-Yes

24. Number of positions in the university

Positions	**Teaching Faculty**			**Non-Teaching Staff**	**Technical Staff**
	Professors	**Associate Professor**	**Assistant Professor**		
Sanctioned by the UGC/State Government	20	20	98	40	3
Recruited	16	11	91	34	3
Yet to recruited	4	9	7	6	-
Number of Persons working on Contract Basis	10	8	59	33	3

25. Qualifications of the teaching staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	1	2	2	-	10	2	17
M.Phil.	-	-	-	-	-	-	-
PG	-	2	-	1	2	18	23
Temporary Teachers							
Ph.D.	9	1	7	-	18	14	49
M.Phil.	-	-	-	-	4	2	6
PG	-	-	-	1	12	9	22
Part Time Teachers							
Ph.D.	1	-	-	-	-	-	1
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

26. Emeritus, Adjunct and Visiting Professors.

	Emeritus	Adjunct	Visiting
Number		55	02

27. Chairs instituted by the university: No

28. Students enrolled in the university departments during the current academic year, with the following details:

Students	UG		PG		Integrated Maters		M.Phil.		Ph.D.		PG Diploma	
	M	F	M	F	M	F	M	F	M	F	M	F
From the State where the university is located	-	365	15	71	-	-	-	-	4	9	-	-
From Other State of India	-	531	30	70	-	-	-	-	5	8	-	-
NRI Students	-	-		-	-	-	-	-	-	-	-	-
Total	-	896	45	141	-	-	-	-	9	17	-	-

29. Unit cost' of education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary component = Rs. …95000.00.

(b) excluding the salary component = Rs. …24000.00

30. Academic Staff College
University has developed -FACULTY DEVELOPMENT AND EMPOWERMENT CELL to up-grade and empower its faculty.

- Year of establishment 2nd November 2016
- Number of programmes conducted (with duration) * UGC Orientation - initiated
  - * UGC Refresher ----------
  - * University's own programmes-----12 programmes organised

31. Does the university offer Distance Education Programmes (DEP)? **NO**

Yes ☐ No ☐

If yes, indicate the number of programmes offered.
Are they recognized by the Distance Education Council?

32. Does the university have a provision for external registration of students? **-- NO**

Yes ☐ No ☐

If yes, how many students avail of this provision annually?

33. Is the university applying for Accreditation or Re-Assessment? If Accreditation, name the cycle.

Accreditation : Cycle 1 YES Cycle 2 ☐ Cycle 3 ☐ Cycle 4 ☐

Re-Assessment: ☐

34. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: …… (dd/mm/yyyy), Accreditation outcome/Result ……
Cycle 2: …… (dd/mm/yyyy), Accreditation outcome/Result ……
Cycle 3: …… (dd/mm/yyyy), Accreditation outcome/Result ……

Cycle 4: …… (dd/mm/yyyy), Accreditation outcome/Result …… *
Kindly enclose copy of accreditation certificate(s) and peer team report(s)

35. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university.

NOT APPLICABLE

36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

IQAC **19.08.2015**

AQAR …NA (i) ……. (dd/mm/yyyy)

(ii) ……. (dd/mm/yyyy)

(iii) ……. (dd/mm/yyyy)

(iv) ……. (dd/mm/yyyy)

37. Any other relevant data, the university would like to include (not exceeding one page) - Nil

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Design and Development

Eternal University has built itself upon these founding principles in its quest for Knowledge, free enquiry, secularism, scientific temper, on the one hand, and moral and spiritual value, nation building, national integration, appreciation of diversity in culture and rich heritage, on the other.

1.1.1 How is the institutional vision and mission reflected in the academic programmes of the university?

The vision and mission of the Education is to promote innovation, scientific technological and critical thinking of higher order, along with the preservation of traditions and wisdom and creation of new knowledge, understanding fundamentals of humanity. University has a responsibility to explore new terrain and seek new insights yet retain unique divinity ethics, spirituality and cultural flavour of our mother land India, in a democratic and secular environment on one hand and forward looking in global transformation on the other hand.

Process of Curriculum Development

University has its mechanism to periodical review and up-gradation of curriculum through formal discussion among the faculty, recommendations of seminars, findings of research studies and feedback obtained from the stake holders, students or beneficiaries:

- Developed through general opinion among students and teachers related to the existing courses of study and by obtaining their feedback on a questionnaire designed and developed for the purpose, over a period.
- The above process ensures incorporation of the needs and requirements based assessment, including the parameters of market value and employment viability, of both the teachers and students in the design and development of the curricula.

Departmental level: Board of Studies (BOS), which comprises the department faculty, assigned members from allied disciplines from within the University and co-

opted members both concerned discipline from outside the University, wider discussion on curricula is initiated. It is for the BOS to constitute Sub-Committees which will make presentation of their deliberations before finalizing the proposed curricula, which is then recommended to the Faculty for its consideration.

Formation of Board of Studies (BOS):

- Every Department constitutes its Boards of Studies (BOS)
- The Head of the Department of Respective Subjects as Chairman ex-officio.
- Two external Expert
- Three Teachers of the concerned department

Joint Meeting:

The Vice-Chancellor calls upon two or more Boards to meet to architect the final shape to its contents.

President of the Board:

(i) The Chairman of the Board presides its meetings. In his/her absence he members present elect a Chairman to continue its procedings.

(ii) Where two or more Boards are required to meet jointly under this Statute, the joint meeting elect its own Chairman on merit basis..

The Vice-Chancellor in consultation with the Chairman of a Board directs the Registrar to convene meetings of the Academic Council to Consider and report upon all such matters as may be referred to it by the BOS of different Departments and accord formal approval to the curriculum and to finalized its implementation for teaching, learning, admission, examination, etc.

1.1.2 **Does the university follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).**

Yes. Eternal University follows a systematic multi-level process in the design, development and implementation and evaluation curriculum.

Strategic Planning: The planning for the curriculum and the courses is done

based on the feedback collected from different stakeholders and the directions received from the regulatory bodies like UGC, NCTE, and AICTE.

Design and Development: To formulate the curriculum and syllabi that help educate the upcoming professionals, each department has a separate Board of Studies with external experts form national level technical institutes and experts from research institutions/industry.

EU has a regular feature to periodically review its Curriculum and syllabi by respective Board of Studies. The Board of Studies has the freedom to add/delete/modify the course contents of a course based on the challenges and future needs of the society and industry.

Approval and Implementation: Academic Council of Eternal University is the highest body which oversees the curriculum and syllabi prepared and presented by the Boards of Studies. Academic Council considers the curriculum and syllabi for any dilution in the course content or any deviation from the organizational objectives. The curriculum and syllabi are modified to meet the suggestions of the Academic Council.

Feedbacks and Reviews: At each stage, an assessment and a feedback system is in place. The process as elaborated above ensures opportunities for teachers concerned and industry representatives to express their views, and in the Academic Council, all members from various disciplines critically review the proposed curriculum and syllabi. Changes suggested by the programme and course committee are also incorporated in the syllabi. The Academic Council which is a platform for the highest academic deliberations in the university has members from various backgrounds including professors, senior administrators, industry experts and other academicians. Therefore, the system has adequate checks and balances to ensure that the curriculum adopted has academic coherence and intellectual acceptance.

1.1.3 How are the following aspects ensured through curriculum design and development?

∗ Employability

∗ Innovation

∗ Research

Employability: Each course has core component and electives components that are developed and designed to equip the students towards the foundation and specialized needs of respective programme of studies.

Several departments provide internship opportunities to study the industrial electives suggested by the leading industries during the course of study. The industrial internship facilitates the students to gain hands on practical experience during study. Further, most of the courses include the subjects that are designed keeping in view the emerging fields and the changing needs of the employment scenario.

University periodically conducts personality grooming programme, aptitude and reasoning ability courses by training and placement cell are offered throughout the year. In addition, all students are given exposure to and basic knowledge of spiritual and humanistic values

Innovation: The innovative practices like introduction of special electives suggested by the industry and organizing special workshops by the industry experts are provided. This greatly improves the knowledge and skills that graduates acquire while studying at university, along with the skills and experience they gain from undertaking activities specified in the curriculum.

Research: Research ability among the students is promoted through mini-projects and main project as part of the curriculum and shall submit project dissertation for the work carried out. Eternal University has its pool of experts drawn from different universities, research centers and industry who are invited to facilitate students and faculty. Further the students are encouraged to attend Guest-lectures by experts, participate in various seminars/conferences/science exhibitions, academic competitions organized in the university and outside the university. The research competence of the students is enhanced by providing access to all research journals, e-resources and other infrastructural facilities. Students with research interest are provided with avenues to take up projects by joining the team of ongoing Project. The curriculum is designed in such a way that the students are given the opportunity to study subjects which are interdisciplinary in nature, offered by

other departments under the category of open electives in postgraduate level.

1.1.4 To what extent does the university use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the university been instrumental in leading any curricular reform which has created a national impact?

The university always complies with the guidelines of the Regulatory Bodies such as UGC, NCTE, AICTE, ICAR and DST and their directives issued from time to time for various professional courses offered. The course structures are designed in such manner that they confirm to the standards and model curriculum provided by the regulatory authorities. However, there is a need to obtain feedback data to continuous up-gradation of curriculum

Development of information database

i) *Database from faculty*:

Faculties furnish feedbacks through a structured questionnaire that comprehends aspects like relevance of the topics, projects, activities, etc i.e. quantum and details, and quality.

ii) *Database from students:*

- The students are given a questionnaire to answer questions on the relevance of the curriculum, time allotted, learning, applicability, extent of coverage and the inclusion of projects, and assessments, etc.
- Informal interaction on curriculum with the students is done every month. This provides feedback on aspects like clarity, difficulty, complexity of topics dealt in the class/felt by the students during conduct of practice teaching and simulated teaching.
- Curriculum appraisals are distributed to the students and their responses/feedbacks are collected.

iii) *Data base from Alumni*

- Questionnaire is distributed to the passed-out students. Their response is studied for suggesting/making modifications.

iv) *Data base from Academic experts*

- Views of academics are gathered about curriculum regarding the needs of society, Psychology of students, Practical aspects, and Development of vocational skills.
- Besides, Workshops are conducted on curriculum development and hence changes and suggestions made by them are incorporated.
- University invites eminent educationist as a source person to monitor, review and suggest the modification in the existing curriculums of the academic program me.
- Some Research Based interventions are also discussed to be added in the curriculum.

After compiling, analysing and getting and evaluating the feedback, the suggestions are placed before the statutory academic body, for seeking amendments/modification in the curriculum.

Evaluation

Eternal University follows Semester System and Choice Based Credit System prescribed by UGC for evaluation of academic courses

In addition to the formal course University also initiated to add on courses in Library and information science, Music, Fine Arts, Physical Education and Guidance and counseling

ETERNAL UNIVERSITY has also introduced new courses in both undergraduate and postgraduate levels.

1.1.5 Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefitted through interactions with the stakeholders?

University has made it an integral part of the course as well as the departments to establish sound linkage with the industries to provide opportunities to study the industrial electives suggested by the leading industries during the course of study. The university has multiple platforms for

interaction with industry, research bodies and civil society. Such interactions have always given positive results to make them contemporary in terms of content orientation and application. Interactions take place in various academic forums, conferences, workshops, popular lectures, research collaborations etc. Especially, courses offered in the emerging and innovative areas in Engineering and Technology area relate directly to industry requirements. To provide hands on training to the students during study, University has signed MoUs with the following Industries.

S.NO.	Date	ETERNAL UNIVERSITY SIGN MOU WITH FOLLOWING UNIVERSITIES & COMPANIES
1	29/12/2016	SHOOLINI UNIVERSITY, SOLAN, HP
2	12/03/2016	REGENESYS BUSINESS SCHOOL, JOHANNESBURG, SOUTH AFRICA
3	3/3/2016	NATIONAL INSTITUTE OF CLEANLINESS EDUCATION AND RESEARCH (NICER), NEW DELHI
4	**3/09/2015**	**IQBRI TELECOM Pvt Ltd.**
5	25/08/2015	BIALYSTOK UNIVERSITY OF TECHNOLOGY, POLAND
6	11/06/2015	RAYAT-BAHRA UNIVERSITY, MOHALI, PUNJAB
7		GUJARAT INSTITUTE OF SOLAR ENERGY, AHMEDABAD
8	1/04/2015	PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA
9	25/03/2015	CHAUDHARY SARWAN KUMAR HIMACHAL PRADESH KRISHI VISHVAVIDYALAYA, PALAMPUR, HP
10	18/12/2013	INFLIBNET CENTRE, GANDHINAGAR
11	16/07/2010	NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR, HP
12	24/02/2009	THE COLLEGE OF NURSING AND HEALTH PROFESSIONS, DREXEL UNIVERSITY, USA
13	29/04/2008	WAYNE STATE UNIVERSITY, MICHIGAN, USA

S.NO.	DATE	AGREEMENTS
1	6/05/2016	MATERIAL TRANSFER AGREEMENT WITH ICRISAT
2		DATA SHARING AGREEMENT WITH CIMMYT, MEXICO
3	18/07/2015	SPECIFIC BILATERAL AGREEMENT WITH CIMMYT
4	2/7/2015	MATERIAL TRANSFER AGREEMENT WITH INDIAN AGRICULTURAL RESEARCH INSTITUTE, SHIMLA
5	9/06/2015	RELIANCE JIO INFOCOMM LTD
6		WITH RENEWABLE ENERGY AGENCIES

1.1.6 Give details of how the university facilitates the introduction of new programmes of studies in its affiliated colleges.

University doesn't have any affiliated college as such however, any new course is introduced, and it is well within the concern knowledge of the Department as a partner to addition of new course and provides its related strategies for the transaction and evaluation parameters.

1.1.7 Does the university encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances.

Yes, university does encourage its departments to provide additional skills or multiple skills such as

a) Interdisciplinary/Multidisciplinary

- The subjects of interdisciplinary nature combining to understand the complex reality No subject is taught in isolation. Approach is interdisciplinary wherein concepts are used to promote various skills associated with the courses.

In addition to above

- The University arranges lectures of personalities from diverse fields. Symposia are also organized on diverse aspects.
- The approach of teaching is critical in nature combining developmental aspects in knowledge generation i.e. recent trends in the area are generally introduced to the students

b) *Multi skill development:*

- The student teachers take part compulsorily in the multi-skill activities.
- Along with the prescribed curriculum cognitive and non-cognitive activities are conducted for multi skill development.
- Internal submission is compulsory for all. Each student teacher must do a Case Study, Research Project etc**.**
- Intensive use of ICT

c) Demonstration is an important activity in the multi-skill development.

d) Kitchen gardening, Dairy farming and computer training programme.

e) Inclusive Education*:*

Inclusion in the context of education is the practice, in which students with special educational needs spend most or all their time with non-disabled students. It is also *a process of removing barriers* and enabling all students, including previously excluded groups, to learn and participate effectively within general school systems.

The institution articulates that all students learn and benefit from education.

- The institution adapts to the needs of students, rather than students adapting to the needs of the institution.
- Individual differences between students are treated as a source of richness and diversity,

1.2 Academic Flexibility

The Choice Based Credit System (CBCS) helps transform the traditional teacher-centric education into a learner-centric education. The learner centric teaching -learning process helps the learners transform the knowledge and skills imparted in the class room to life situations. Academic freedom and autonomy, help in innovation and improves research activity. Our academic stream provides flexibility to the students to opt for different sets of courses as per their interest and industrial needs.

Audit Registration permits a student to enroll in a course for no credit and no grade. This may be offered in higher semesters. Auditing is for acquiring knowledge in the field of interest and improving skill. Audit registration is permitted on the recommendation of the mentor of concerned student, HOD of the Department and Dean of respective faculties and on approval by the Dean, Academic Affairs.

1.2.1 Furnish the inventory for the following: Programmes taught on campus

Existing Courses for 2017-18
Akal College of Engineering & Technology
B.Tech. ETE
B.Tech. CSE
B.Tech. EE
M.Tech. ETE
M.Tech. CSE

M.Tech. EE
M.Tech. Renewable Energy
M.Tech. Material Science & Engineering
Ph.D. CSE
Akal College of Basic Sciences
B.Sc. Medical
B.Sc. Non-Medical
B.Sc. (Hons.) Mathematics
B.Sc. (Hons.) Chemistry
B.Sc. (Hons.) Physics
B.Sc. (Hons.) Microbiology
B.Sc. (Hons.) Biochemistry
B.Sc. (Hons.) Botany
M.Sc. Biochemistry
M.Sc. Botany
M.Sc. Microbiology
M.Sc. Maths
M.Sc. Chemistry
M.Sc. Physics
M.Sc. Environmental Sciences
Ph.D. Chemistry
Ph.D. Biochemistry
Ph.D. Physics (including Renewable Energy for 2015-16 session)
Akal College of Agriculture
B.Sc. Agriculture (Hons.)
B.Sc. (Hons.) Zoology
B.Tech. Food Technology
M.Sc. Biotechnology
M.Sc. Food Technology
M.Sc. Zoology
M.Sc. Entomology
M.Sc. Genetics and Plant Breeding
M.Sc. Agronomy
M.Sc. Plant Pathology
Ph.D. Biotechnology
Akal College of Economics, Commerce & Management
B.Sc. Economics (Hons.)
B.Com. (Hons.)
M.Sc. Economics
MBA
M.Com.
Ph.D. Economics
Akal College of Arts & Social Sciences
B.A. (Hons.) Music
B.A. Humanities
B.Sc. (Hons.) Psychology
M.A. English

M.A. Music
Ph.D. English
Ph.D. Music
Akal College of Health & Allied Sciences
B.Sc. Nursing
M.Sc. Nursing
MPH
MHA
Akal College of Education
B.Ed.

Overseas Programmes Offered on Campus:

No overseas programme is offered

Programmes available for colleges to choose from: Not Applicable

1.2.2 Give details on the following provisions with reference to academic flexibility

a. Core / Elective options:

Common Core Subjects are there in Semester I and Semester II. Other common subjects are in Semester V, Semester VI and Semester VII. Department level core subjects are given from third semester to eight semesters. 25% of the subjects are given as electives from fifth semester to eight semesters.

For PG courses, nearly 40% of the subjects are given as electives from first semester to third semester

b. Enrichment courses:

For enriching the professional ability of students four finishing school courses of two credits each are given in the third, fourth, fifth and sixth semester. For overall development of the students, great emphasis is given in the curriculum for the development of communicative skills. Apart from the regular English course in the first year; four courses in career skills and presentation skills have been included in the 3rd, 4th, 5th and 6th semesters of all undergraduate programmes.

- Logical/critical reasoning

- Aptitude technical ability,
- Positive and critical thinking,
- Entrepreneurial skills etc. for better employability.

Other Intramural Courses/activities are also compulsory for the Development of Character, conduct, leadership and team work qualities,

- Social consciousness and responsibilities,
- Social relations and business ethics.
- Other activities include
- NCC, Physical Education,
- Sports, Club,
- Fine Arts Club,
- Photography Club,
- Drama Club,
- Multimedia Club,
- Journalism or Magazine Club,
- Yoga Club,
- , Department Associations,
- ISTE Students Chapter,

c. Courses offered in modular form:

Modular form is integrated with non-technical courses like English, management etc.

d. Credit accumulation and transfer facility:

Free Electives and Additional Courses are choices to a Student to pursue his/her interest in related disciplines/branches. Students are free to select open electives from other departments also.

e. Lateral and vertical mobility within and across programmes, courses and

disciplines

A candidate who possesses Diploma in Engineering/Technology awarded by the State Board of Technical Education, or its equivalent is eligible for direct admission to the third semester of 4 year B.E./B.Tech. Programme

1.2.3 Does the university have an explicit policy and strategy for attracting international students?

Eternal University has entered with MoU with International Universities for exchange of students during their course of study.

1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.

Eternal University is in the process of Starting a **Postgraduate Diploma Course in** for attracting foreign students. Further the curriculum for UG and PG programmes have been designed to meet the needs of International Students.

1.2.5 Does the university facilitate dual degree and twinning programmes? If yes, give details.

None at present due to the policy of Himachal Pradesh Private Higher Education Institution Regulatory commission, approval agency for starting of any academic course.

1.2.6 Does the university offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

We are a self-financing university with no external funding and support for our operations. All the policies for admission, fee structure, faculty recruitment, and faculty salaries are as per the guidelines and norms of the governing bodies (such as UGC, AICTE, NCTE).

1.2.7 Does the university provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If 'yes,' give operational details.

As on date face to face mode is followed with use of e-learning and ICT

1.2.8 Has the university adopted the Choice Based Credit System (CBCS)? If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?

YES. Choice Based Credit System (CBCS) for all the PG programmes has been adopted.

1.2.9 What percentage of programmes offered by the university follows:

- Annual system - 0%
- Semester system - 100%
- Trimester system - 0%

1.2.10 How does the university promote inter-disciplinary programmes? Name a few programmes and comment on their outcome.

1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

- Statutory Academic Bodies provide guidance which the institution introduces without delay.
- The Institution follows sustainable curricular practices which lead to academic effectiveness and excellence. It correlates the curricular practices with the the students.
- Innovative practices of teaching are adopted for transacting curriculum.
- Feedback is obtained about the curriculum design from .different resources as described and modifications/changes are suggested/enforced, as the case may be.

  An overall review/revision of the curriculum once in four years is normally followed with a view to incorporate the latest trends in the

emerging fields and to keep pace with the rate of global technological developments. New electives are introduced every year, based on the emerging requirement in the latest field.

1.3.2 During the last four years, how many new programmes at UG and PG levels were introduced? Give details.

Started New Courses last four years

2016-17

B.Sc. (Hons.) Chemistry
B.Sc. (Hons.) Physics
B.Sc. (Hons.) Microbiology
B.Sc. (Hons.) Biochemistry
B.Sc. (Hons.) Botany
B.Sc. (Hons.) Zoology
B.Sc. (Hons.) Psychology
M.Sc. Biochemistry
M.Sc. Botany
M.Sc. Zoology
M.Sc. Microbiology
MHA
Ph.D. Biochemistry
Ph.D. English
Ph.D. Music
Ph.D. CSE

2015-16

B.Tech. Electronics & Electrical Engineering
M.Tech. Computer Science & Engineering
M.Com.

2014-15

Ph.D. Economics
B.Sc. Agriculture (Hons.)
B.Com. (Hons.)
M.Sc. Maths

2013-14

M.A. Economics
M.Sc. Environment Science
M.A. Maths

M.A. English
M.A. Music
MHA

1.3.3 What are the strategies adopted for the revision of the existing programmes? What percentage of courses underwent a syllabus revision?

Curriculum is revised once in four years based on the feedbacks and suggestions received from the following stake holders:

i. Students

ii. Alumni

iii. Faculty

iv. External BOS Members (one from industry and one from academic/research institution) and other who visit the university to participate in seminars/conferences/deliver guest lectures.

v. Emerging Trends and Industrial needs.

All UG and PG programmes underwent syllabus revision

1.3.4 What are the value-added courses offered by the university and how does the university ensure that all students have access to them?

To take care of the overall professional development of the budding professionals, a set of Intramural Courses (Environmental Science, Human Value in higher education and professional ethics) have been introduced from third semester to seventh semester. They are designed to acquire soft skills of communication, presentation, discussion, aptitude, logical/critical reasoning, technical ability, positive and critical thinking, entrepreneurial skills etc. for better employability.

In addition, all students have to register for the compulsory personality development courses of one credit each. A student may register for a minimum of five courses from 3rd to 7th semesters subject to the following conditions:

- A student has to register for at least one course in each semester.
- A student can register for a maximum of two courses in a semester.

- All personality development courses are one credit courses.
- At the end of seventh semester, a student has to earn minimum five credits for the successful completion of the Degree.
- In each registered Finishing school/Personality development course, a letter grade will be awarded according to the seven scale letter grading (S, A, B, C, D, E, F) scheme based on the performance of the students.

1.3.5 Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

Eternal University has introduced skill development programmes based on the rural societal needs. The programmes introduced are:

- Computer Training to school teachers
- Engineering design
- Cyber Security
- Kitchen Gardening
- Food preservatives and Processing
- Dairy Farming

In addition, short term training programmes are organized by the department and the details of programmes organized are enclosed in the Department Evaluative Reports respectively.

1.4 Feedback System

1.4.1 Does the university have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

YES, Eternal University has a formal mechanism to obtain student feedback regarding the curriculum and its teaching. The feedback from students is collected using the in-house format. Feedback is given to the teacher concerned for information and corrective measures, if needed.

Every class has a Class Committee, normally constituted by the HOD, within

the first week of each semester. It acts as the Quality Assurance Cell with the overall goal of improving teaching-learning process for the class. The members of the committee include four student representatives. It meets three times in a semester for informing the course regulations and obtaining feedback from the students about the changes required in the curricula and teaching -evaluation process.

Every programme has a Program Committee normally constituted by the HOD. It acts as the Quality Assurance Circle for improving the quality of the Program**.** It meets at the beginning of a semester, at the end of each test and before the university examination. It provides the nature and scope of Continuous Internal Assessments (CIA) in consultation with the course teachers and informs the same to the students in the beginning of a semester. It discusses the problems concerning curricula, syllabi and conducts of classes, and periodically reviews the progress of each class and implements effective teaching-learning processes. When a common Course is offered to more than one discipline or group, a Course Committee is constituted. It acts as the Quality Assurance Cell for common Course. All the teachers teaching the common Course are its members with one of them acting as the Chairperson.

1.4.2 Does the university elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.

The faculty members discuss the curriculum and syllabi with national and international faculty who visit our campus and during their participation in national and international conferences & workshops. Our faculty members also interact with faculty from national level institutions like IITs, IISc, and NIT through regular & direct meetings.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.

Does Not Applicable as no affiliated college

1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the university in ensuring the effective development of the

curricula?

The curricula and syllabi of all UG and PG programmes of Eternal University are revised once in every four years. The faculty members report the need for improvements in the syllabi of the courses to the Board of Studies. BOS reviews the existing syllabi in the light of new knowledge or changing societal requirements. Finally the recommendations regarding curriculum revision is placed before the Academic Council for approval.

In the case of postgraduate courses being run in the Departments, modifications up to ten percentages can be made on regional basis by the faculty in the existing syllabi with prior approval of the Vice-Chancellor to incorporate the latest developments, if any. It is the responsibility of the BOS to report and take the approval of the Academic Council for such minor changes in the syllabi.

The Board of Studies prepares the requirements for teaching such as textbooks, supplementary reading reference books, laboratory equipment and consumables. Further BOS suggests to the organization of the training programmes for students as well as teachers, like specialized lectures/talks, workshops and other scientific programmes.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the university ensure publicity and transparency in the admission process?

University follows a transparent admission process for admission of new students every academic year.

The process of admission changes depending upon the quantum of students seeking admission in a particular department, and discipline.

Admission notification for UG, PG, MPhil and PhD programmes are advertised in English and Vernacular newspapers and the same is published in the University website. The admission details and the eligibility norms are available in the University Information Brochure and prospects published every year and the same is available in the University website.

Admissions to all the programs are provided based on the marks obtained in the qualifying examination and entrance exam conducted by the University. List of candidates eligible for admission is published in the website and intimation letter is also send to the individual candidates.

2.1.2 Explain in detail the process of admission put in place by the University. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the University (please specify).

- Merit

  In the departments, where number of aspirants for admission are relatively less, the merit of previous examination i.e. Merit with Entrance Test

  In some courses and departments where higher numbers of admission seekers apply for the admission Entrance Tests are also administered. In such cases merit deemed to serve as eligibility criteria only, the weightage is given to the scores obtained on Entrance Test Examination.

  In technical courses like B. Tech., B.E. the Common Entrance Test-entrance test Agriculture & Ph.D conducted by state agencies and national agencies are considered as per the existing rules of state and central government. In MBA admissions the MAT, CMAT, XAT & CAT scores are compulsory along with the Group Discussion & Personal Interview. In such cases merit deemed to serve as eligibility criteria only.

❖ Process of Admissions:

- Notification of the admission process is published every year in the leading national and regional newspapers. It is also published on University website, which contains all the details regarding admission process.
- In various courses the detail process of admission is given to the aspirants through the brochure supplied by the prescribed admission form.
- Entrance Tests are conducted at campus only.
- A merit list is displayed on the on the department's Notice Board as well as on University website.
- The State Government reservation policy is strictly adhered to.
- Eligibility of the students at the entry level is fixed by the University as per State/Central Government and other regulatory bodies.

In nutshell, process of admission put in place by the university. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the university (please specify).

(i) Merit

Admission to all UG and PG programmes are based on the minimum prescribed marks scored by the applicant in the qualifying examination.

(ii) Merit with Entrance

Admission to UG and PG programmes are based on the performance of the candidate in the entrance exam and the marks secured in the qualifying exam.

(iii) Merit, Entrance Test and Interview

Admission -Ph.D Programmes

The research scholars desirous of joining the Ph.D. programme should apply in the prescribed application form, through proper channel wherever applicable, before the due date as indicated in the notification issued from time to time. The eligible applicants shall be called for a written-test. Based on the performance in the written test/NET score, successful research scholars shall be shortlisted and called for interview by the selection committee constituted for that purpose by the University. The short listed research scholars on the basis of their performance in the interview shall be forwarded to the DRC for approval. The DRC shall follow the

state/national reservation policy for the admission of Ph.D. programme. Research scholars whose selection is approved by the DRC will be intimated about their selection with copies marked to the concerned research guide and the sponsoring institution, if any.

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same.

No college is affiliated with the university, thus nil report

2.1.4 Does the university have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

YES, the committee constituted under the chairman ship of Director Admissions of the University conducts the meeting to review the admission process. This committee evaluates the input quality and the demand of the courses at the time of admission and plan for the changes if any, to be made in the admission notification in the subsequent academic year.

2.1.5 What are the strategies adopted to increase / improve access for students belonging to the following categories:

- **SC/ST**
- **OBC**
- **Women**
- **Persons with varied disabilities**
- **Economically weaker sections**
- **Outstanding achievers in sports and other extracurricular activities**

SC/ST/OBC

NICHE follows the reservation policy of the state government. As per the above policy, reservation category (SC/ST, OBC) students are admitted.

WOMEN

Separate hostel within the University campus for hassle free stay is provided and preference is given in the admission even though there is no special reservation for women a candidate.

Only girls were admitted at UG level for the last 5-6 years. Now only girls will be admitted at PG and Ph.D.

PERSONS WITH VARIED DISABILITIES

Ramp/lift facility is provided to the physically challenged students. Ground floor class rooms are provided to them. Vehicle parking is nearer to the class room itself. They are given priority in queue and given assistance to all services. In hostel, the ground floor is allotted for the students with physical disabilities.

ECONOMICALLY WEAKER SECTIONS

Scholarship and loan facilities are prioritized for them. Special cells are started to handle their problems within and outside states. University maintains equity among all students. Further fee concessions are also provided by the management for needy.

2.1.6 Number of students admitted in university departments in the last four academic years:

UG Courses

Year	2013-14		2014-15		2015-16		2016-17	
Categories	Male	Female	Male	Female	Male	Female	Male	Female
SC	-	8	-	22	-	44	-	60
ST	-	-	-	-	-	2	-	3
OBC	-	22	-	29	-	45	-	66
General	-	124	-	112	-	136	-	194
PWD	-	-	-	-	-	-	-	1
Total	-	154	-	163	-	227	-	324

PG Courses

Year	2013-14		2014-15		2015-16		2016-17	
Categories	Male	Female	Male	Female	Male	Female	Male	Female
SC	2	-	1	3	1	4	3	11
ST	-	-	0	2	1	1	-	3
OBC	-	1	1	-	4	2	6	5
General	11	30	8	13	18	36	17	55
Total	13	31	10	18	24	43	26	74

Ph.D. Courses

Year	2013-14		2014-15		2015-16		2016-17	
Categories	Male	Female	Male	Female	Male	Female	Male	Female
SC	-	-	-	-	-	-	1	1
ST	-	-	-	-	-	-	-	-
OBC	1	-	-	-	-	-	1	1
General	3	2	-	2	3	9	2	2
Total	4	2	-	2	3	12	4	4

2.1.7 Has the university conducted any analysis of demand ratio for the various programmes of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

Yes, the university conducts analysis of admission every year and the demand of various courses in each programme. Infrastructure facilities are enhanced in the selected departments based on the demand. This helps in evolving strategies to invest further to improve infrastructure need and to assess the current trend in students' preferences.

2.1.8 Were any programmes discontinued /staggered by the university in the last four years? If yes, please specify the reasons.

No any yet

2.2 Catering to Diverse Needs of Students

2.2.1 Does the university organize orientation / induction programme for fresher's? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

YES. Every academic year, the commencement of the academic programs in EU starts with a general Welcome-cum-Orientation program to students wherein the students are sensitized about the scope, objectives and

opportunities available of the subject of study, about campus facilities, the need to avoid ragging and time management for academic excellence. The Vice Chancellor personally welcomes all the new entrants, and the Deans of various Faculties and Department HoDs are introduced to the students in an orientation programme.

Orientation Programme is conducted every year for the new entrants. A committee comprising of Deans, Directors and the members of faculty belonging to various streams named Orientation Program Committee is constituted for this purpose. This committee is entrusted with the responsibility of conducting the program in batches.

The fresher's who join the university after they complete their school education find it difficult to cope with the subjects taught. This Orientation Programme is organized in such a way in the campus that it acts as a recapitulation of what is already learnt and an introduction to what they are expected to learn in I & II semesters along with communication skills. Special coaching in English spoken and writing skill provided by the department of English.

Orientation components include motivational factors such as explaining the unique features, scope and mentoring system of the university together with a brief introduction to the basics of English Grammar, Engineering, Physics, Chemistry, Mathematics, Graphics and Fundamental of computing and Programming - the subjects which are to be taught to the students in the first semester.

The following areas are covered in the orientation programme:

- Spoken English
- Students to visit all the labs of the University
- Special Lectures in Science, Engineering and Management subjects by Senior Professors.

To motivate and inspire the students, the talks by the Senior Professors touches upon the content and scope, inventions and innovations, the relevance of their subject to the societal needs of their respective subjects/departments.

- Yoga Classes
- Training on oratorical skills

- Curricular/Academic Discipline
- Talks on Students' Etiquette, Ethics and Manners etc.
- Sports/ Physical Exercises
- Placement/Soft Skills

Apart from this University has additional thrust on that have a direct impact on student outcomes:

- Making connections to the students' lives. For example, it is done by using their own experience as a point of comparison to learning about others' experiences.
- Talent hunting.
- Aligning experiences to important outcomes. It identifies prior knowledge which is important to current and future learning.
- Designing experiences that interest students. It follows the norm that learning needs to be as memorable as possible for enhancing understanding of ideas and processes in the social studies. Teachers monitor the academic performance and offer counselling to students.
- Most of the teachers supplement the lecture method of teaching with other, innovative methods of teaching such as seminars, class presentations, use of audio-visual aids, etc.
- Teachers also organize star batches for the advanced learners – wherein the students under guidance study on their own and present their findings. The concerned teacher caters to a group of 8--12 students to take up minor research projects.
- Importance is given to extra and co-curricular activities. Various activities organised help students to develop their talents as well as gain practical experience in organising and managing various events.
- The teachers encourage the students to raise questions in the class, to participate in seminars, to join study tours, to make use of reference books, journals, etc. They prepare teaching plans, unitize syllabi and try their level best to cover their portion in the stipulated time

- Students are given only in English medium.
- Based on the diagnostic tests and their achievement in the house examination remedial coaching is provided to the students.
- Internet Facility: Internet and computer facility is provided to the students.
- The University has a rich library with books, titles Journals and newspapers which cater to the diverse learning needs of the students.

2.2.2 Does the university have a mechanism through which the "differential requirements of the student population" are analysed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Since different categories of students are admitted, their exposure levels are also different. During the conduct of classes, exposure levels of the students are identified based on their performance in the class by the faculty and suitable coaching/counselling are given for the needy students.

Information pertaining to the differential requirements of the student population - region, gender, caste, religion, and tribe - are solicited in the admission form supported with documents. This information is maintained by the University and used for merit-based nomination for admission under certain categories and also for allotment in hostels.

After admission, students with weak competence level in language proficiency and computer awareness, etc., are provided with supporting programmes in various Departments. Students from financial underprivileged background are provided with financial assistance like partial waiving of the fee and Scholarships sponsored by State Government, State Minority Commission and some other Scholarships attached to the University.

Further communication skill development classes, Aptitude skill development classes, Reasoning Skill development classes, Soft Skill and Software Skill development classes are also conducted through Intramural Activity.

2.2.3 Does the university offer bridge / remedial / add-on courses? If yes, how

are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

The need to arrange or to include as part of the structured time-table such bridge /remedial courses have so far not arisen.However, selected departments arrange special lectures/ need- based Tutorials to enhance skill sets of students. In some departments, these courses are conducted by the external/visiting faculty wherein the training sessions are arranged at weekends so that they do not interfere with regular teaching.

Further, in order to empower the students, spoken English, personality development courses, communication skills, etc. are included in the timetable as part of Intramural courses.

During the academic year 2015-16, a three day Advanced skill development program was conducted by the Placement and Training.

Five add-on courses (Library and Information System, Music, Fine Arts, Physical Education and Guidance and concealing) are provided in parallel mode along with B.A. humanities.

2.2.4 Has the university conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?

EU does not have a formal mode to survey the academic growth of disadvantaged sections. But the academic growth are closely monitored by the Mentors and the HOD concerned based on the evidences of the following records :-

- Series test analysis.
- Student's arrear details.
- Close observation of class room behaviour.
- Counselling done by mentors and course teachers.
- Peer group study, supervised study and peer coaching.
- List of Economically backward students in each batch.
- List of slow learners in each batch.

It is observed that during the last four years, there has been a steady

increase in the pass percentage and appreciable achievement levels among the disadvantaged sections of students.

- Admission to such students is encouraged and given on the basis of merit cum nomination under quota of SC, ST, OBC and differently-abled or economically backward categories.
- Hostel allotment with easy accessibility and fee concessions are also provided to them.
- Special courses and programmes are arranged for these students and the slow learners by the respective departments.
- Training and Placement Cell also assists them in procuring appropriate jobs.

2.2.5 How does the university identify and respond to the learning needs of advanced learners?

Advanced learners are identified based on their interaction during lecture hours and based on their performance in the class and by tests/examinations. The advanced learners are given special guidance by their respective mentors to access advanced reference material.

The Course curriculum provides them scope for opting advanced electives for additional credits.

They are facilitated with an enriched experience of pre-service exposure through work-study, project work, departmental work to institutional affairs, systemic nuances, administrative issues and organizational needs through their participation in the different elected bodies of the University, organizing-committees for seminars & conferences. There are provisions for undertaking projects and initiating autonomous academic activities for the advanced learners.

Thrust in research is whetted by motivating them to attend summer / winter schools in research institutes, apply for students' projects from funding agencies, participate and present research papers in seminars / conference at collegiate / inter-collegiate / state / regional / national levels and publish articles in reputed journals. Outstanding students are encouraged to file applications for patents. (Details of students participated in symposiums and conferences are given in the Department Evaluative Report)

2.3 Teaching-Learning Process

2.3.1 How does the university plan and organize the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?

Before the beginning of every academic year, Dean Academic Affairs announces detailed academic schedule for all Programmes/Courses offered by the University based on the guidelines of UGC taking into account the minimum mandatory number of working days (90 days per semester). The plan for teaching-learning process is organized at the department level at the beginning of the every semester. The Head of the Department concerned conducts meeting with all the faculty members and allots subjects based on their interest. Then the time table is prepared and circulated to the students. The faculty members prepare the Lecture Plan at the beginning of the semester and distribute to the students.

The student evaluation of the teachers is a regular feature and done at the middle and end of the semester. Students have to submit their feedback and it is consolidated by the HOD and presented to the higher officials for follow up action. The feedback received will be discussed with the teachers concerned and if necessary, they will be counselled and advised by the university officials.

At the beginning of the semester, the copy of the syllabus is provided to the student.

The staff offering different courses prepare lecture plans and maintain a record of the syllabus coverage details to ensure a smooth coverage of the syllabi. For practical subjects Manuals available in each laboratory serve to expose the facilities and capabilities of each instrument/equipment.

Before the end of each academic session, the Department holds a meeting of all the faculty members at the Board of Studies (BOS) level discusses the various courses to be offered to the students in the forthcoming session, modification needed in the syllabi and allots the course to be taught in the next academic session by a faculty.

2.3.2 Does the university provide course outlines and course schedules

prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

University provides copies of the regulation, curriculum and syllabus to all the students and the same is also available in the students' handbook and University website. The number of contact hours per week is based on the credit allotted to the subject. The teacher conducts classes and assessment tests as per academic schedule announced by the Dean, Academic Affairs.

The implementation of the process is discussed in the meetings of course committee, Programme committee and class committee and the effectiveness of the process in ensured.

However, in the wake of any unexpected distractions the University ensures the successful completion of the curriculum through extra/remedial classes and shortening as well as cancelling summer/winter vacations

2.3.3 Does the university face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

No. The University does not face any problem in completing the curriculum. This is mainly due to the meticulous planning and execution of the academic schedule.

However, during extraordinary situations the academic schedule has been altered and extra classes have been conducted to make up for the deficiencies of lectures.

2.3.4 How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

The Choice Based Credit System (CBCS) helps to transform the traditional teacher-centric education into a learner-centric education. The learner- centric teaching- learning process helps the learners to transform the knowledge and skills imparted in the class room to real life situations. Academic freedom, under autonomy, helps for innovation and improves research activity. Our

academic stream provides flexibility to the students to opt for different set of courses according to their interest and industrial needs.

As the hall mark of blending technology for effective teaching learning process, the following facilities are being made available for the faculties and students of our University

- Interactive web based course materials and large video repository of technical lecture-courses in the streaming video format.
- The "ANYTIME ANYWHERE" access facility in the entire campus enabled with Wi–Fi facility. With this facility one can get access with the help of their Laptops which are provided to the students at a subsidized cost and other Wi-Fi enabled devices to the Internet and the different Intranet applications including the Digital Library and E – Learning.
- Some smart Class Room in all Departments with smart /Interactive Boards and other teaching aids.
- Digital Knowledge Centre with access to a wide range of Journals, EU Voice - Magazines , and Conference Proceedings.

The University Regulations are based on CBCS. In this system, a Student has **choice** to Register for any additional Course or free elective (i.e., other than department electives) offered by the University and permitted by the Regulations. In **credit system,** quantum of Work is measured in terms of **credits**. In this system, a Student has to register to a set of Courses prescribed in the Curriculum, at the beginning of the semester. Then he/she **earns** credits by passing in each Course and obtaining 10 point grade system. Requirements for a particular Program are specified in terms of minimum number of credits to be earned scholastic probation is imposed on UG less than 50% and on PG less than 5.5 out of 10 point.

Credits for a Course are based on number of instruction/contact hours be it lecture/tutorial/ double for Practical per week. Credits are assigned to Theory, Practical, Seminar, Project, etc. The Board of Studies (**BOS**) of the department offering the Program stipulates the number of credits for each Course.

Credit assignment:- One credit is assigned to a Course for one contact hour of lecture/tutorial per week or two contact hours of

Laboratory/Practical/Seminar/Project per week or one week of Industrial Training during semester breaks.

Course structure:- It consists of two types of Courses viz., Theory Courses without Practical component and Practical Courses having both Theory and Laboratory Training or Laboratory training only. Prerequisites, if any, for a Course offered in a semester are specified so that a Student may Register for the Course after satisfying such requirements. Prerequisites are normally assigned to elective Courses. There are no prerequisites for core Courses of a Program.

2.3.5 What is the university's policy on inviting experts / people of eminence to deliver lectures and/or organize seminars for students?

University encourages Departments to organize National / International seminars, conferences, workshops etc. which provides a platform to invite experts / people of eminence to deliver lectures and share their experiences.

In addition Eminent professors/scientists are invited to departments to deliver lectures on emerging technology. Alumni who have distinguished themselves in various fields are also invited to share their experience in an interactive forum organized by alumni associations.

- Special budget is allocated and funds are allocated every academic year for Departments of studies to invite eminent Professors, Scientists, public speakers, corporate leaders and highly successful alumni to deliver lectures, talks, discuss and give workshops to the students.
- Each Department has an internal procedure too, for research and PG students in which the Departments invite experts on specific issues individually and discussions/ lectures are held as per the need of the students.

2.3.6 Does the university formally encourage blended learning by using e-learning resources?

As the hall mark of blending technology for effective teaching-learning process, the interactive web based course materials and large video repository

of technical lectures-courses in the streaming video format are made accessible to the faculties and students .

The University encourages blended learning. The students utilize e-learning resources available to enhance their knowledge better.

The University Library has Digital Knowledge Centre to cater to the needs of the students.

The Wi-Fi enabled campus encourages blended learning by way of providing access to e-learning resources.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching

- Every teacher has access to internet connected desktop computer.
- Open educational resources are used by the faculty and students for teaching and learning.
- E-mail correspondence is encouraged
- Faculty members are trained in user awareness programmes for the use of e-learning resources and Open Source Learning.
- 24x7 wifi enabled campus with Access to internet.
- Online Access to Monographs, latest books, journals with impact factor etc., in the library.
- Exposure through national and international seminars, conferences, and workshops.
- The open educational resources available through web are assessed by every course teacher and are recommended to the students for further reference after considering its authenticity.
- Utilization of latest technologies and facilities like computer aided simulation tools, language lab, and other e-learning resources for effective teaching.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the university's educational processes?

There is no formal group among the faculty to monitor the trends and issues regarding developments in Open Source Community. The e-Learning initiatives at the University have been through the initiatives by group of faculty members. Several informal talks/presentations were given by visiting experts to sensitize the students regarding open source community. The university library takes initiatives on the recommendation of the departments for enhancing access of students and faculty members to wider e-learning avenues including open educational resource community. Students who done there projects in innovative areas are encouraged to register for patents.

2.3.9 What steps has the university taken to orient traditional classrooms into 24x7 learning places?

- Further free **access to** e-books/journals through intranet certainly facilitates 24x7 learning process.
- Library services are available to the students even after regular working hours.

2.3.10 Is there a provision for the services of counsellors/mentors/advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

Yes. Class In charge is assigned a group of twenty to twenty five students for whom he/she functions as a mentor. The purpose of this practice is to have a close rapport between the students and the faculty, to provide guidance to students on all academic matters besides personal counseling and to enhance and enrich the professional capabilities of the students.

The main focus of mentorship is to take care of the needs of the students and to develop the personality of the students and to make them more professionally competent. The mentors assist the students to cope with the curriculum, understand the University's expectations of its students, participate in co-curricular and extracurricular activities, solve personal issues, as well as groom their skills and aid in personality development. In addition to the mentor, students may also seek counsel from the HOD and other faculty members.

- At the P.G. Level according to specialization and elective choice of

subjects the concerned supervisor are having more close and intimate relationship with the students or group of students and they provide effective academic, personal, psycho-social guidance at personal level.

- Counselling facility offered at the time of admission enlightening the student on selection of courses, progression and placements.
- Guidance relating to placement opportunities offered by Placement Cell.
- Guidance relating to various opportunities offered by the University Placement Cell and their orientation programmes.
- Mentoring the students for preparation of various competitive examinations.
- Majority of the students get benefit by the above mechanism and process of counselling and guidance adopted by the University

2.3.11 Were any innovative teaching approaches/methods/practices adopted/put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

Smart class rooms with digital technologies like LCD provided in each department, creates real time learning experience inside the class room. Animation mode of presentation helps to teach complex concepts. Video lessons are used for better comprehension.

Special coaching is provided for enhancing aptitude and reasoning related skill set. These innovative practices enable better comprehension of the subject and promote interaction in the classroom.

2.3.12 How does the university create a culture of instilling and nurturing creativity and scientific temper among the learners?

EU provides very conducive Infrastructure, , integration and check out facilities, including Clean room, Research Laboratories and Ground station with communication links MOUs are established with National and International agencies, for guidance and technical assistance in the development and application programs at national and global levels.

An Integrated ground station comprising of Antenna systems, Mission control center and image processing facilities.

Apart from it –

- ❖ Students sent to advance laboratory with access to sophisticated equipment and computational skills.
- ❖ Teachers are encouraged and provided financial assistance to hold and participate in workshops, seminars, give lectures, discussions and contribute to the policy making of the scientific forums.
- ❖ Students are encouraged to participate in science events nationally as well as internationally.
- ❖ Exhibitions, presentations, demonstrations, lectures and suggestions of the scientists and acclaimed researchers are organized by the University.

2.3.13 Does the university consider student projects mandatory in the learning program? If yes, for how many programs have they been (percentage of total) made mandatory?

YES. Under CBCS scheme project work / dissertation becomes a mandatory component in some UG and all PG programmes and offered as a compulsory core subject. All post graduate programs of the University have project/dissertation work as a part of the curricula, wherein, students are encouraged to publish the research work in Journal/Conference. The students are also encouraged to do their project work in other Research institutions/ industries. In a few other programs like MBA students undergo internships in the industry anywhere between 8 weeks to 6 months duration.

2.3.14 Does the university have a well-qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

YES, University has well-qualified faculty with PhD in diversified areas of specializations, which helps to design, develop and implement curriculum. Wherever there is shortfall, human resource is supplemented by appointing temporary teachers on contract basis. Faculty at department level update the curriculum by discussing the course content with external experts through emails and also by inviting them for interaction. There is also provision for External Members on BOS to advice in such matters.

2.3.15 How are the faculty enabled to prepare computer-aided teaching/learning

materials? What are the facilities available in the university for such efforts?

Most faculty members are well versed with computer-aided teaching and all the Departments have been provided with smart class room facility to promote computer aided teaching. Smart classrooms equipped with laptop and LCD/overhead projectors, audio/Video facilities, and Internet facilities to facilitate computer-aided teaching and the use of educational software packages.

2.3.16 Does the university have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

The feedback from students on the quality of teaching and performance of faculty members is obtained through feedback forms provided by the university to the departments. The individual departments keep track of the teaching-learning process through regular interactions with students by the heads of the departments and senior teachers. These initiatives help in improving their retention, regularity and performance parameters.

2.4 Teacher Quality

2.4.1 How does the university plan and manage its human resources to meet the changing requirements of the curriculum?

All newly recruited faculty members are required to attend Orientation and Refresher Courses, organized by the Faculty Development and Empowerment Cell in the beginning of each academic year. Further faculty members are deputed to attend workshops, conferences, symposia. To give fillip to this process the faculty members are also encouraged to take part in summer/winter schools/training workshops in their respective specializations.

To facilitate professional growth and Academic up-gradation, University has recently set up cell.

2.4.2 Furnish details of the faculty

The Educational qualifications of the various faculty members are summarized in the following table:

Positions	Teaching Faculty			Non-Teaching Staff	Technical Staff
	Professors	Associate Professor	Assistant Professor		
Sanctioned by the UGC/State Government	20	20	98	40	3
Recruited	16	11	91	34	3
Yet to recruited	4	9	7	6	-
Number of Persons working on Contract Basis	10	8	59	33	3

Qualifications of the teaching staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	1	2	2	-	10	2	17
M.Phil.	-	-	-	-	-	-	-
PG	-	2	-	1	2	18	23
Temporary Teachers							
Ph.D.	9	1	7	-	18	14	49
M.Phil.	-	-	-	-	4	2	6
PG	-	-	-	1	12	9	22
Part Time Teachers							
Ph.D.	1	-	-	-	-	-	1
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

2.4.3 Does the university encourage diversity in its faculty recruitment? Provide the following details (department / school-wise).

Yes university encourages diversity in its faculty recruitment. Faculty represents from different states

2.4.4 How does the university ensure those qualified faculties are appointed for new programmes / emerging areas of study (Bio-technology, Bio-informatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?

Started New Courses last four years

2016-17
B.Sc. (Hons.) Chemistry
B.Sc. (Hons.) Physics
B.Sc. (Hons.) Microbiology
B.Sc. (Hons.) Biochemistry
B.Sc. (Hons.) Botany
B.Sc. (Hons.) Zoology
B.Sc. (Hons.) Psychology
M.Sc. Biochemistry
M.Sc. Botany
M.Sc. Zoology
M.Sc. Microbiology
MHA
Ph.D. Biochemistry
Ph.D. English
Ph.D. Music
Ph.D. CSE
2015-16
B.Tech. Electronics & Electrical Engineering
M.Tech. Computer Science & Engineering
M.Com.
2014-15
Ph.D. Economics
B.Sc. Agriculture (Hons.)
B.Com. (Hons.)
M.Sc. Maths
2013-14
M.A. Economics

M.Sc. Environment Science
M.A. Maths
M.A. English
M.A. Music
MHA

COURSE APPROVAL AUTHORITIES FROM 2014-15 TO 2017-18

Sr. No.	Sanctioned Authority	Academic Session	Letter No.	Date
1	HP Regulatory Commission, Shimla	2017-18	HP-PERC/CA/Eternal/2017-18-3459	30.12.2016
			HP-PERC/CA/Eternal/2017-18-3651	02.02.2017
			HP-PERC/CA/Eternal/2017-18-1075	03.07.2017
2	HP Regulatory Commission, Shimla	2016-17	HP-PERC/CA/Eternal/Ph.D./2016-17-29	02.04.2016
			HP-PERC/CA/Eternal/Ph.D./2016-17-2753	14.03.2016
			HP-PERC/CA/Eternal/2016-17-2325	31.12.2015
3	HP Regulatory Commission, Shimla	2015-16	HP-PERC/CA/Eternal/2015-16-598	29.06.2015
			HP-PERC/CA/Eternal/Ph.D./2015-16-1068	21.08.2015
			HP-PERC/CA/Eternal/2015-16-436	06.06.2015
			HP-PERC/CA/Eternal/Ph.D./2015-16-169	29.04.2015
			HP-PERC/CA/Eternal/2015-16-07	02.04.2015
			HP-PERC/CA/Eternal/Ph.D./2015-16-2111	05.03.2015
			HP-PERC/CA/Eternal/2015-16-1716	07.01.2015
			HP-PERC/CA/Eternal/2015-16-1654	23.12.2014
4	HP Regulatory Commission, Shimla	2014-15	HP-PERC/CA/Eternal/2014-15-1194	10.10.2014
5	Principal Secretary, Department of Higher Education, H.P. Shimla		EDN-A-Ka(5)-2/2013-ETERNAL	22.05.2014
			EDN-A-Ka(5)-2/2013-ETERNAL	07.04.2014

Appointment of qualified faculty has been a regular and routine practice at Eternal. University has taken adequate steps to give wide publicity through

newspapers, and also website to recruit qualified faculty members in the emerging areas.

2.4.5 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the university?

Emeritus/Adjunct Faculty/ Visiting Professors : 30

2.4.6 What policies/systems are in place to academically recharge and rejuvenate teachers? (*e.g.* providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)?

University has well organised system and policies to enhance the academic quality and research activity of the faculty.

- By providing research grants from internal resources in addition to the DST, DBT, HPSCSTVE and other national level financially sponsoring bodies for research activities and project works, either individually applied or initiated by the Department for research programmes.
- The University has statutory provision to sanction study leaves to the faculty for the research within the mother land India or abroad depending upon requirement.
- Granting duty leave and financial assistance to the faculty for participating in national and international seminars, conferences, workshops and training as per the UGC guidelines.
- The faculty is encouraged to submit major research projects to different funding agencies.

Need based grants provided to the Departments to organize national and international, conferences and workshops

University provides travel grants to faculty members to participate in the international conferences/meetings. New faculty members joining the departments with PhD are motivated to write proposals/to conduct pilot research and seed money is provided for the purpose. Sabbatical leave is provided to eligible faculty for their study and/or research in India/abroad. Faculty members are routinely deputed to attend seminars, in-service training. Faculty members in permanent service are provided study leave to acquire higher qualifications. Due encouragements results in the organisation of a number of national and international conferences / workshops every year. for instance during the academic year 2014-2015 alone 7 national seminars ,

conferences and 6 international conference were organised by different departments.

2.4.7 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

Twelve faculty members have earned award in teaching/research

2.4.8 How many faculty members underwent staff development programmes during the last four years (Add any other programme if necessary)?

Refer to the departmental reports

2.4.9 What percentage of the faculty have

- Been invited as resource persons in workshops/seminars/conferences organized by external professional agencies?
- Participated in external workshops/seminars/conferences recognized by national/international professional bodies?
- Presented papers in workshops/seminars/conferences conducted or recognized by professional agencies?
- Teaching experience in other universities/national institutions and other institutions?
- Industrial engagement
- International experienc**e in teaching**

12% have been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies

11% Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies

More than 600 papers have presented by the members of the faculty at various Workshops / Seminars / Conferences of national and International Levels.

About 10% faculty have Teaching experience of other universities / national institutions and other institutions

About 2% faculty are involved in Industrial engagement

About 3% faculty have International experience in teaching

2.4.10 How often does the department organize academic development programmes (eg: curriculum development, teaching learning methods, examination reforms, content/knowledge management etc) for its faculty aimed at enriching the teaching learning process?

The Board of Studies in each department meets two times in an academic year to discuss and finalize measures through discussions with internal faculty and external experts to make qualitative changes in the curriculum for different courses. The deliberations also make recommendations on question paper setting and other possible examination reforms.

2.4.11 Does the university have a mechanism to encourage

- **Mobility of faculty between universities for teaching**
- **Faculty exchange programmes with national and international bodies?**

If yes, how have these schemes helped in enriching the quality of the faculty?

- **Parcipation as resource persons in speciliazed programmes by different universities.**
- **Visiting other universities under faculty exchange scheme.**

The University permits and encourages faculty to accept invitations for delivering lectures in colleges, universities and research institutes within India and abroad. The university has signed MoUs to facilitate interactive exchange of faculty with Universities abroad for the purpose of keeping pace with the latest technological advancements in different fields.

S.NO.	Date	ETERNAL UNIVERSITY SIGN MOU WITH FOLLOWING UNIVERSITIES & COMPANIES
1	29/12/2016	SHOOLINI UNIVERSITY,H.P
2	12/03/2016	REGENESYS BUSINESS SCHOOL,JOHANNESBURG,SOUTH AFRICA
3	3/3/2016	NICER,NEW DELHI
4	**3/09/2015**	**IQBRI TELECOM Pvt Ltd.**
5	25/08/2015	BIALYSTOK UNIVERSITY OF TECHNOLOGY,POLAND
6	11/06/2015	RAYAT-BAHRA UNIVERSITY,MOHALI,PUNJAB

7		GUJARAT INSTITUTE OF SOLAR ENERGY,AHMADABAD-GANDHINAGAR CAMPUS
8	1/04/2015	Punjab agriculture university, Ludhiana
9	25/03/2015	CSKHPK(CHAUDHARY SARWAN KUMAR HIMACHAL PRADESH KRISHI VISHVAVIDYALAYA).PALAMPUR,H.P
10	18/12/2013	INFLIBNET CENTRE,GANDHINAGAR
11	16/07/2010	NIT,HAMIRPUR,H.P
12	24/02/2009	THE COLLEGE OF NURSING AND HEALTH PROFESSIONS ,DREXEL UNIVERSITY,USA
13	29/04/2008	WAYNE STATE UNIVERSITY,MICHIGAN

S.NO.	DATE	AGREEMENTS
1	6/05/2016	MATERIAL TRANSFER AGREEMENT WITH ICRISAT
2		DATA SHARING AGREEMENT WITH CIMMYT,MEXICO
3	18/07/2015	SPECIFIC BILATERAL AGREEMENT WITH CIMMTY
4	2/7/2015	MATERIAL TRANSFER AGREEMENT WITH INDIAN AGRICULTURAL RESEARCH INSTITUTE,SHIMLA
5	9/06/2015	Reliance Jio Infocomm limited

2.5 Evaluation process and reforms

Need-based department/faculty wise academic development programmes are organized by the University for the faculty.

The curriculum development programme is observed by the University as a routine basis through the Board of Courses and Studies as per the requirement and guidelines of regulatory bodies in all faculties/departments.

Periodical workshop are organised by the University for the development of teaching-learning methods and inculcation of modern ICT based teaching aids.

University's Examination Section organizes workshops from time to time on examination reforms under the guidance of Examination Board and Academic Council.

2.5.1 How does the university ensure that all the stakeholders are aware of the evaluation process that are in place?

The copy of the Students Hand Book (Second Ordinance) containing the examination system, method of evaluation and pass criteria are given to the students at the time of enrolment into the University. The course structure,

syllabus, credit to be earned are available in the form of handbook in the library for each programme.

2.5.2 What are the important examination reforms initiated by the university and to what extent have they been implemented in the university departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system reforms.

The University has put several mechanisms in place to ensure that the examination system is foolproof. The examination regulation defines the role and responsibilities of all the stakeholders, protocols and procedures to be followed, and steps to be taken at all levels in the conduct of the examinations. All the forms/proforma for use in the examination process has been drawn out meticulously in standardized formats. Moderation of question papers from external examiners to ensure completion of course by the faculty. The university is slowly reducing the choice of question in the final examination. Measures to curb malpractices have also been listed together with the penalty and punishment.

2.5.3 What is the average time taken by the university for declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode, media adopted by the University for the Publication of exam results?

- Examination results are declared within 30 days after the completion of the Exam
- Results are published and placed on notice board with a copy to the concerned Dean as well as on the website.

2.5.4 How does the university ensure transparency in the evaluation process? What are the rigorous features introduced by the university to ensure confidentiality?

The University ensures transparency in both internal and final evaluation. Internal assessment is done based on the performance in the first and second sessional examination, in which the answer scripts are returned to the students

for verification. University exam evaluation is done by external and internal examiners chosen at random for the final exams and the students are allowed to go for revaluation/re-totaling, if any discrepancies arise.

To ensure confidentiality: (i) dummy number is adopted in post examination process, (ii) question dispatched by the setter is opened in the COE room. Selection of one paper out of two sets of question papers set by two different examiners ensures confidentiality.

2.5.5 Does the university have an integrated examination platform for the following processes?

Pre-examination processes.

Yes. The examination wing works in close coordination with Dean, Academic Affairs. Eligible Student lists are prepared after considering their attendance percentage by the Deans of respective Colleges. These students register themselves for examinations by submitting the customized exam application form. Arrangement for external and internal Invigilators, Squad, Attendance sheet and admit cards are made well in advance.

Examination process – Examination material management, logistics, etc.

All the examinations are held at central examination halls to check the malpractices and to ensure transparency. The halls schedule and other arrangements for students are well prepared and announced in advance. The examination materials and logistics are centrally provided by the office of the Controller of Examination involving secretarial staff whereas invigilation is taken care of by external and internal teaching staff.

Post-examination process – Attendance capture, OMR-based exam result, auto processing, generic result processing, certification, etc.

All the attendance details are checked precisely on the day of examination and the data are entered for comparison. This helps to cross check the procedure and is followed until the process of mark registration and mark list preparation is completed. The evaluation of answer scripts is also done centrally and award lists are placed for scrutiny before the COE and the results are published.

2.5.6 Has the university introduced any reforms in its Ph.D. evaluation process?

- EU follows the UGC regulations strictly in its Ph.D. evaluation process. The regulations concerning admission process, number of candidates guided by Supervisor any given time Research Degree Committee (RDC), Course Work and Evaluation of Thesis are given below:
- All eligible applicants shall be called for a written entrance test. Based on the performance in entrance test, candidates shall be shortlisted and called for interview. The admissions shall be based on a merit list based on the consistent academic record and performance in the entrance test and interview.
- A Supervisor shall not guide more than eight doctoral candidates at any time.
- There shall be a Research Degree Committee (RDC), for every scholar to monitor the progress of research work.
- For every scholar, the Supervisor shall furnish a panel of three experts with doctoral qualification in the field of proposed research, from the faculty members of the University / other Universities or colleges / experts from R&D Departments / National Laboratories / any other laboratories, from which two shall be nominated by the Vice Chancellor, as members (one within the State and second from the other state). Dean PGS will sent the thesis to the experts nominated by the Vice Chancellor.
- The Dean PGS will be the chairman of Research Degree Committee.
- The RDC of the candidate is constituted within thirty days of admission and prescribe course work for the candidate.
- Every student shall undertake course work for a minimum period of two semester of subjects at P.G level, being offered under any approved programme of this University as recommended by the RDC.
- The RDC of the candidate shall meet every six months to monitor the progress of the work.

- The thesis shall be referred to the two examiners from the panel nominated by the Vice-Chancellor from the panel of names recommended by the RDC.
- If both the examiners recommend the award of the degree, thesis shall be provisionally accepted. Any minor revision, modification etc., suggested by the examiners shall be carried out before the oral examination is arranged. If both examiners recommend rejection, the thesis shall be rejected and the registration of the research scholar shall stand cancelled. If one examiner recommends the award of the degree while the other recommend rejection, then the thesis shall be referred to the third examiner nominated by the Vice-Chancellor from the panel of examiners. If two of three examiners recommend the award, the thesis shall be provisionally accepted. If two of the examiners recommend rejection, the thesis shall be rejected and the registration of the research scholar shall stand cancelled.

2.5.7 Has the university created any provision for including the name of the college in the degree certificate?

Not applicable

2.5.8 What is the mechanism for redressal of grievances with reference to examinations?

- Any Grievance by the student is sent to the COE who constitutes committee, which is approved by the Vice Chancellor to promptly attend to the grievances, if any, and settles them then and there.
- Transparent evaluation system is followed with provision for re-totaling/unmarked questions and revaluation for the U.G. courses and re totaling and marking of unmarked questions for the P.G courses.

2.5.9 What efforts have been made by the university to streamline the operations at the office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division / section.

- The result analysis for each course, subject-wise is prepared by the Controller of Examinations wing and placed before the Vice Chancellor.

- Student evaluation of course Teachers is done at the end of each semester.
- The University examinations Question Papers are printed confidentially in the "office" of the Controller of Examinations wing itself, packed, sealed and kept under the custody of the Controller of Examinations till they are sent to the Centre Superintendent.

Automation of the Controller of Examinations wing

The Controller of Examinations wing ensures a strict and flawless examination system in the University. It screens out good students who attained requisite standards of learning from the rest. It employs modern computing facilities to process enormous data and generation of documents with ease and accuracy.

The Controller of Examinations define the Business rules for the conduct of Examinations, Student details, Staff details, External Exam Time Table, and admit card generation, conduct of examination, Question papers setting process, External assessment system, moderation process, results processing, Supplementary exams, Certificates generation etc.

2.6 Student Performances and Learning Outcomes

2.6.1 Has the university articulated its graduate attributes? If so, how does it facilitate and monitor its implementation and outcome?

The university articulates the graduate attributes to create professional vigor, sense of self-confidence, courage and faithfulness among the students. The University inculcates these qualities through classroom teaching /seminars/conferences/workshops, off campus learning components such as industrial visits.

Our university offers many programmes to improve academic abilities, interpersonal skills and communication skills. University offers opportunities to try new things technical competitions, extension activities and sport activities.

- Presentations in symposiums based on recent advances in technology promotes communication skills.
- Taking part in sports activities builds up confidence and increases interpersonal skills

- Every department has an association for conducting programmes for students. Taking part in association activities develops leadership and motivation.
- We conduct annual sports meet so that the students show their talents in the ground.

Further University provides facilities for improving the soft skills of students to enhance their employability opportunities. Pre-placement training is also provided to students during their final year. Periodical tests are arranged to assess and formulate a mechanism to improve on the aptitude and subject skills.

2.6.2 Does the university have clearly stated learning outcomes for its academic programmes / departments? If yes, give details on how the students and staff are made aware of these?

YES.

The academic programmes in the University are outcome based. While some Departments have specified them, the others are following it in traditional manner.

Each programme sets out its objectives and learning outcomes in the syllabus of respective programmes. Further during the orientation programme held at the beginning of the academic year, the students are informed about the objectives of the programmes. The students are further sensitized about the various opportunities available to them on successful completion of the academic programmes.

2.6.3 How are the university's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

Keeping programme outcomes in mind, faculty members adopt strategies to facilitate students to achieve the targets. Some of the strategies are given below:

- Three internal assessments are conducted every semester and an end semester exam is conducted in every theory subject.

- End semester exams are conducted for laboratory subjects and viva-voce exams are conducted to test the knowledge of students.
- Industrial training and mini projects are given credit to motivate students to receive training from industries and also to take up creative steps to do projects.
- Add on programs are conducted to provide engineering skills using the latest software and technologies used in industries as per the current practice.
- Industrial Visits

2.6.4 How does the university collect and analyze data on student learning outcomes and use it to overcome the barriers to learning?

- The Department analyzes the results of every examination to understand the learning outcome of the students.
- The subjects in which more than 50% students fail are analyzed.
- The faculty members are consulted to know the problems.
- Faculty members counsel the students and give instructions which help them to overcome the barriers to learning.

2.6.5 What are the new technologies deployed by the university in enhancing student learning and evaluation and how does it seek to meet fresh / future challenges?

- ICT enabled teaching-learning facility in almost all Departments
- Campus wide Wi-Fi and High bandwidth through National Knowledge Commission (NKC).
- Video Conferencing Equipment
- Online databases such as EBSCO Journals Database and Digital Library subscription through INFLIBNET.
- Language lab
- E-learning web portal

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 **Does the university have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.**

Yes, The University has a statutory body called as Board of Research, Development and Consultancy (BRDC). It is the apex body to monitor and guide all research programs, including Doctoral research.

The Board is chaired by the Vice Chancellor, all the Deans of the faculty as internal members, six experts from renowned institutions as external experts, Registrar as special invitee and Dean PG Studies as member secretary. This committee meets at least once in three months to encourage pro-active participation of faculty in research and consultancy. The committee oversees all the research activities such as:

- To formulate the regulations and procedures for Research, development and consultancy programmes.
- To identify R&D thrust areas within the framework of vision and mission of the institution.
- To plan, initiate, review and oversea the research activities.
- To evolve and implement multi-institution and multi-disciplinary programmes, utilizing infrastructure and resources of the Institute gainfully.
- To administer the Doctoral programme through the Registrar of the Institute.
- To ensure quality in research.

Some of the recommendations of the board that had influenced the research activity by establishing centers on focused areas. Further the numbers of full time research scholars under stipend scheme for doctoral program are being increased. The requirement of one paper in indexed journal for the submission of thesis by the research scholars has helped in bringing out

quality research output. And to promote research among scholars and faculty, the knowledge sharing platform is performed through the following meetings.

Research Forum- at the University Level

The faculty and scholar shall meet once in two months to share and interact thrust areas of research. Further, effective interaction among the members of Research Forum exists in addition to the formal meetings once in 2 months.

Research Colloquiums (at the Departmental level)

Research Colloquiums takes place to bring together faculty, research scholars and students involved in research activities. A fortnightly meeting of each research colloquium is the platform for presenting individual research activities and discussing relevant issues.

3.1.2 What is the policy of the university to promote research in its affiliated / constituent colleges?

University Research Policy is applicable in letter and spirit for the constituent colleges.

3.1.3 What are the proactive mechanisms adopted by the university to facilitate the smooth implementation of research schemes/projects?

**** advancing funds for sanctioned projects***

University advances funds whenever necessary to sanctioned projects to accelerate progress of the projects. In some cases, additional equipment is necessary, funds may be sanctioned immediately to augment the facility for the project.

P***roviding seed money***

The university has positive attitude to provide seed money to the beginners to enable them to meet the incidental expenses for preparing project proposals for submission to funding agencies.

* ***Simplification of procedures related to sanctions / purchases to be made by***

the investigators

The Principal investigator can acquire items directly after getting permission from the university. The principal investigator is authorized to steer the research projects in required direction.

* ***Autonomy to the principal investigator/coordinator for utilizing overhead charges***

In general, overhead charges forming part of the grant sanctioned by the funding agencies are meant to be transferred to the common funds of the university and need not be given to the principal investigator.

* ***Timely auditing***

Audit of the account is carried out at regular interval by account department of the university.

* ***Submission of utilization certificate to the funding authorities***

Utilization certificate is submitted to the funding authorities as per schedule.

3.1.4 How is interdisciplinary research promoted?

* ***Between/among different departments /schools of the university***

BRDC has a policy for promotion of interdisciplinary and inter departmental research. The interdisciplinary and inter-departmental research work is being carried out in several departments in which supervisors and co supervisors from two different departments are provided. For doctoral degrees, the choice of supervisor is not limited by faculty/ programme boundaries. Scholar can prefer the supervisor from inter department of our University. Internal subject experts are appointed from related departments of the university in the Doctoral committee for monitoring inter disciplinary research.

* ***Collaboration with national/international institutes / industries.***

Some of the Departments of the university has signed MoUs with Industries for collaborative research. Refer criterion .1

3.1.5 Give details of workshops/ training programmes/ sensitization programmes conducted by the university to promote a research culture

on campus.

Most of the departments of the University regularly organize national and international workshops/ training/ sensitization programme where delegates from different regions of the country and abroad participate. Work shop on research methodology is conducted every year for the benefit of scholars registered for PG programmes. This workshop is compulsory for all those who have registered for PG in our university without pre-doctoral degree. Training programmes on the utilization of Software packages like SPSS (Statistical package for Social Science), RAD are arranged regularly.

There is provision of visits of expert faculty members from National/ International level. They are acting as Resource persons in our campus events and introducing recent technologies to the students/Research scholars and Faculty. Research culture is developing in national/ international level and collaborative publications have been bought out and are also in progress.

3.1.6 How does the university facilitate researcher of eminence to visit the campus as adjunct professor? What is the impact of such efforts on the research activities of the university?

The university provides excellent boarding; lodging as well as transportation facilities to visiting Professors, several international and national level professors have been associated with research and teaching programme of the university.

3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

Research at the University falling under these broad categories.

1. Research undertaken as part of the requirement for Doctoral Degree
2. Research undertaken by individual faculty
3. Extramural research projects.
4. Research consultancy services

3.1.8 In its budget, does the university earmark fund for promoting research in its affiliated colleges? If yes, provide details.

Yes, university makes budgetary allocation for research activities every year and provides seed money to the faculty who wishes to proceed for research

3.1.9 Does the university encourage research by awarding Post-Doctoral Fellowships/Research Associateships? If yes, provide details like number of students registered, funding by the university and other sources.

The university has one Post- Doctoral fellow Dr Sushma Sharma in the college of Agriculture

3.1.10 **What percentage of faculty have utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the university monitor the output of these scholars?**

Faculty members pursuing Post-Doctoral and doctoral work are provided leave. Faculty members who are doing research work are provided leave as per requirement.

3.1.11 **Provide details of national and international conferences organized by the university highlighting the names of eminent scientists/scholars who participated in these events.**

The various departments of the University regularly conduct national and international conferences by means of which awareness is created among teachers and students on emerging areas of research. Eminent academicians/ scientists from India and abroad visited EU on various programmes and other seminars/conferences.

Seminars/ Conferences/ Workshops Organized by EU, Baru Sahib

1. 2nd International conference: Innovative Research in Engineering , Science and Technology (IREST-2017), 7-8 April,2017 , Eternal University Baru Sahib
2. National Symposium on Advances in Food science and technology, Mar 24-25, 2017, Eternal University, Baru Sahib

3. Workshop on IPRs: Issues and Challenges March 14, 2017, Eternal University, Baru Sahib
4. Fostering 21st Century Pedagogical Skills, 14-17 Oct, 2015, Eternal University, Baru Sahib
5. National Symposium on Advances in Bio-technology for Crop Improvement, Eternal University, Baru Sahib, 9-12 July, 2014
6. International Conference Yoga, Nature & Holistic Living , Eternal University, Baru Sahib, 6-7 April,2013
7. 3rd Annual International Conference Innovative Trends in Community Health Nursing, 5-6 Oct, 2013, Eternal University, Baru Sahib
8. Ring the Packet- A Workshop on Networking Technology, Eternal University, Baru Sahib 9-10 October, 2011
9. International Conference on Renewable Energy 5-6 May, 2012, Eternal University, Baru sahib
10. An International Conference on Recent Advances in Electronics & Computer Engineering, 17-18 December, 2011, Eternal University, Baru Sahib
11. International Conference on Rejuvenating Ayurveda, The Classical Vedic Skills of Health Care for global challenges in 21st Century, Eternal University, Baru Sahib, 18-20 Dec, 2010
12. First International Conference on Recent Developments, future prospects, and entrepreneurial Trends in Bio- Technology organized by Eternal University, Baru Sahib, Alwar, 19-21 December, 2009.

3.2 Resource mobilization for Research

3.2.1 What are the financial provision made in the university budget for supporting students research projects?

3.2.2 Has the university taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

Yes, faculties are motivated to file patents. University has set up an IPR Cell sponsored by Department of Science & Technology, Government of India and approved by HPPIC, Shimla (H.P.). Special IPR workshops/ lectures were arranged for the faculty and research scholars. A one-day workshop on IPRs: Issues and challenges was organized on March 14, 2017 with eminent speakers.

3.2.3 Provide the following details of ongoing research projects of faculty:

Please refer to section 3.2.6 below

3.2.4 Does the university have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

University has initiated process and shall have some projects in due course of time

3.2.5 How many departments of the university have been recognized for their research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

Yes, as on date seven Departments; Please refer to the Departmental Evaluative Reports

3.2.6 **List details of**

a. Research projects completed and grants received during the last four years (funded by National/International agencies).

Sr. No.	Name of PI	Department	Title of the Project	Duration	Funding Agencies	Amount	Status
1	Dr. Vinod Kumar Sangwan	Biotechnology	Screening iron, zinc and carotenoid bioavailability from biofortified staple crops using coupled in vitro digestion/Caco-2 cell model	3 years	Ministry of Science and Technology (Department of Biotechnology)	1,51,38,000/-	Ongoing
2	Dr. Rahul Kumar	Biotechnology	Improvement of end use quality of 1BL/1Rs. Translocation containing wheat varieties by removing of Sec-1 and retaining Glu-B3 using marker assisted back cross breeding	3 years	Ministry of Science and Technology (Department of Biotechnology)	55,00,000/-	Ongoing

3	Dr. Vishal Chugh	Biotechnology	Biofortification of wheat for micronutrients through conventional and molecular approaches Phase II	5 years	Ministry of Science and Technology (Department of Biotechnology)	1,07,00,000/-	Completed
4	Dr. Tejinder Singh	Food Technology	For creation of Infrastructure facilities for M.Sc. Food Technology course	2 years	Ministry of Food Processing Industries	75,00,000/-	Completed
5	Dr. P.S. Cheema	Engineering & Technology	Cloud based digital resource centre for remote rural area	2 years	State council for Science Technology & Environment (H.P.)	8,61,000/-	Ongoing
6	Dr. P.S. Cheema	Engineering & Technology	Linear Fresnel Reflector(LFR) concentrator based solar water purification system	2 years	State council for Science Technology & Environment (H.P.)	7,90,000/-	Ongoing
7	Dr. Ruhit Jyoti Konwar	Renewable Energy	Design of low cost solar water heating system using flat plate collector for remote area application	2 years	State council for Science Technology & Environment (H.P.)	8,50,000/-	Ongoing
8	Dr. N.K. Ralhan	Chemistry	Synthesis of materials having high magnetic values applicable for lower microwave frequency region	2 years	Contract for Acquisition of research activities (DRDO)	9,80,000/-	Completed

9	Dr. Sushma Sharma	Agriculture	Characterization of late blight disease from major tomato growing areas of H.P. and development of IDM strategy	2 years	National Science Advisory Board (NSERB), DST. GOV.	19,00,000/-	Ongoing
10	Dr. Radheshyam Rai	Physics	Development of Lead-free piezoelectric nanofibers via Electrospinning for piezoelectric energy harvesting" (ERIP/ER/1303129/M/01/1564)	3 years	DRDO New Delhi under the Directorate of Extramural Research & Intellectual property Right (ER&IPR)	26.8962 Lacs	Ongoing
11	Dr. Radheshyam Rai	Physics	Functional properties of electro- and magnetostrictive materials based on transition metal oxides synthesized by hydrothermal sol-gel method (INT/RUS/RFBR/P-299)	2 years	DST New Delhi and RFBR Moscow Russia	12 Lacs	Ongoing
12	Dr. Radheshyam Rai	Physics	Development of Ferroelectro-Magnetic Materials for Advance Devices Application (SR/FTP/PS-62/2005)	2 years	DST new Delhi	12 Lacs	Completed

b. Inter-institutional collaborative projects and grants received

i) All India collaboration

ii) International

Collaboration with national level organizations

3.3 Research Facilities

3.3.1 What efforts have been made by the university to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

The University has subscribed several e-resources (journals, databases, magazines) for researchers and students. It promotes the purchase of research books, research software's subject to the availability of funds. Facilities such as Wi-Fi connectivity, University intranet, library, e-resources are provided to students and faculty members. A substantial budgetary provision is made annually for development of infrastructure facilities and purchase of consumables for undertaking and promotion of research activities.

3.3.2 Does the university have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.

Yes, the common computer centre is utilized to cater the needs of researchers and students. The campus is seamlessly Wi-Fi enabled to the internet through broad band connectivity to the user community on round the clock. The main objective of computing centre is to act as the nodal centre for all the information technology resources of the university. It involves design, installation and maintenance of the IT infrastructure including the network, software resources and IT enabled services and facilities.

3.3.3 Does the university have a University Science Instrumentation? Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?

University has a centre for sophisticated equipment with AAS, HPLC, Freeze Dryer, PCR, Gel documentation, four Pilot Plants Analytical laboratory facilities with annual maintenance budget of Rs. 50 lakhs

3.3.4 Does the university provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

Yes, hostel facilities are available for all research scholars and research associates. University Guest Houses are available for visiting scientists and professors. 24x7 Wi Fi facilities is provided to access internet and intranet resources.

3.3.5 Does the university have a specialized research centre/ workstation

on-campus and off-campus to address the special challenges of research programmes?

Yes, the University has established six research centres to meet the challenges and to develop interdisciplinary research in areas of Agricultural, food technology, bio technology, computer sciences and chemistry.

3.3.6 Does the university have centres of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

Renewable Energy, Public Health Management, Bio-Technology, Food Science, Divine Music , Mathematics, Chemistry etc. have been recognized by DST, DBT,Min.of Non-conventional Energy Resources, GoI

3.4 Research Publications and Awards

3.4.1 Does the university publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

Yes, the University publishes "EU VOICE" which contains number of academic.

3.4.2 Give details of publications by the faculty:

- ***Number of papers published in peer reviewed journals (national / international), Monographs, Chapters in Books, Books edited***
- ***Books with ISBN with details of publishers***
- ***Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.), Citation Index – range / average, SNIP, SJR, Impact Factor – range / average, h-index***

S. No.	Subject	Number
1	Number of research paper published in peer reviewed Journal(National/International)	1135
2	Monographs	28
3	Chapter in books	134
4	Books with ISBN and details of the publisher	40
5	Books Edited	25
6	Number listed in international database (Web science,scopus,Humanities International Complete,EBSCO,Host etc),Citation index-Range/Avreage,SNIP,SJR, Impact Factor-Range/Average,H-Index	*For details refer to Departmental Reports*

For details refer to Departmental Reports

3.4.3 Give details of

- **Faculty serving on the editorial boards of national and international journals**

Name of the Teacher	Journal	Position	Year
Dr. H.S. Dhaliwal	J. of Plant Bio chemistry and Bio technology	Member Editorial board	2000 – onwards
Dr. Ramesh Arora	Indian J Ecol	Editor in chief	1996-2003
Dr. Ramesh Arora	Indian J Ecol	Member, Editorial Board	2004 – onwards
Dr. Ramesh Arora	Entomology Reporter	Editor	2010-2016
Dr. Pritesh Vyas	IOSI J. of microbiology, biotechnology & food science	Member, Editorial Board	2015 onwards
Dr. Vinod Kumar	American J of current microbiology	Member, Editorial Board	2015 onwards
	Nustara Bio- Science		
	American J of Life Science		
	Advances in Bio- Science And Bio-Engineering		
	J. of Applied and environmental Microbiology		
	SM Journal of Biology		
	International J for Research in Bio-tech and Micro- Biology		
	Journal of Enzymology and Metabolism		
	International J . of Agricultural Research of Crop Sciences		
	J. of Environment Sciences And Renewable Resources		

Dr. Ajar Nath yadav	Advances in Biot-technology and Microbiology	Member, Editorial Board	2015 onwards
	Current Microbiology		
	European J. Biotech & Bio- Science		
	Intervation J. of Microbiology and Bio-technology		
	J. of Applied biology and Biotechnology		
	World Journal of Microbiology and Biotechnology		
	Indian J. of Microbiology Research		
Dr.Lekha Viswanath	1. Editor – In - Chief: Journal of Nurse Midwifery and Maternal Health		
	Editorial Member of Global Journal of Multidisciplinary studies		
	Editorial Member of Biomed central pregnancy and childbirth		
Dr. Achla D Gaikwad	Editorial Member of Journal of Nursing Science and Practice		

Some of the faculty members serving on the editorial boards of "EU VOICE"

- ***faculty serving as members of steering committees of international conferences recognized by reputed organizations / societies***

- Dr. Ramesh Arora, Organizing Secretary, 4th Congress of Insect Science, Indian Society for Advancement of Insect Science, April 16-17, 2015, PAU, Ludhiana
- Dr Ramesh Arora, Member, Organizing Committee, 3rd Congress on insect Science, Indian Society for Advancement of Insect Science, April 18-20, 2011, PAU, Ludhiana

- Dr Ramesh Arora, CO-organizing Secretary, National Seminar Bio-technological Approaches in Pest Management, May 4-5, 2012, PAU, Ludhiana.
- Dr Ramesh Arora, Member, Organizing Committee, Biocicon 2009, Biocicon 2011, Bet-2001, ICEA-97.

The University conducts national/international conferences/ seminars regularly (section 3.1.1) and more than 70% of the faculty members served/serving as steering committee members of the conferences conducted by the University or by other organizations.

3.4.4 Provide details of

- ***Research awards received by the faculty and students***

  Please refer to the Departmental Evaluative Reports

3.4.5 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the university participate in *Shodhganga* by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?

Three Ph.D. scholars have been awarded Ph.D. Degree

3.4.6 What is the official policy of the university to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

Yes, University thoroughly discourages malpractices and plagiarism in research. The major Advisors research scholar must check their thesis before submission of the thesis.

3.4.7 Does the university promote interdisciplinary research? If yes, how many interdepartmental / interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?

Please refer to the Departmental Evaluative Reports

3.4.8 Has the university instituted any research awards? If yes, list the awards.

Yes, University instituted Best Teacher, Best Researcher and Best Innovative Research Award every year.

3.4.9 What are the incentives given to the faculty for receiving state, national

and international recognition for research contributions?

The University has a system of providing honorarium to Principal Investigator (PI) and Co -PI for bring new researches projects from national and international agencies.

3.5 Consultancy

3.5.1 What is the official policy of the University for Structured Consultancy? List a few important consultancies undertaken by the university during the last four years.

The University has formulated a policy for consultancy services and sponsored research. The faculties acting as consultants also receive a part of consultancy fee as reward for their consultancy.

3.5.2 Does the university have a university-industry cell? If yes, what is its scope and range of activities?

Yes, the university has Institution Industry Interaction Cell. This cell develops linkages between University and industrial houses through regular meetings, conferences, skill training and in plant training with industrial participation.

3.5.3 What is the mode of publicizing the expertise of the university for consultancy services? Which are the departments from whom consultancy has been sought?

Expertise of the University is publicized through University web-site, pamphlets circulation to the nearby industries and arranging workshops for University and industrial experts. In addition, personal level contacts expertise gets publicity.

3.5.4 How does the university utilize the expertise of its faculty with regard to consultancy services?

The University publishes the expertise available for consultancy services regularly on the University Website and University News Letters. For

example, the departments of engineering has been providing consultancy services to the industries, state/central governments and private agencies.

3.5.5 List the broad areas of consultancy services provided by the university and the revenue generated during the last four years.

The major area of consultancy includes material testing, soil and plant health, food processing medicinal plants etc.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the university sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.

University through student volunteers regularly conducts social outreach programmes. Faculty members and students are involved in organizing and participating these programmes.

World Environment Day is celebrated every year on 5th June with a variety of events including planting tree saplings and conducting seminars.

The University makes wide arrangements to prevent ragging in the Campus before and during the classes of a new batch starting.

Unity Day, voter's day, Independence Day, Republic day, Science day, Teacher's day are celebrated regularly.

3.6.2 How does the university promote university-neighbourhood network and student engagement, contributing to the holistic development of students and sustained community development?

The awareness programmes are organised with the help of students and faculty the in and around the university peoples benefited hugely from Self Help Groups to showcase their product which serve as advertisement and also effect sales.

Details of a recent Science Exhibition and Workshop-'*Akal College of Engineering and Technology, Eternal University Baru Sahib*', in

association with '*Vigyan Prasar, NOIDA, Department of Science and Technology, Govt. of India'*, have organized a two day **Science Exhibition and Workshop** event on 7th and 8th April 2017 at Bhai Gurdas Hall.

The inaugural program of exhibition and workshop event was attended by Hon'ble Chief Guest, Dr. Manohar Singh Saini, Director, GNDEC, Ludhiana; Dr. B. K. Tyagi, Scientist E, Vigyan Prasar, Govt of India, New Delhi; Mr. R V Balasubramaniam Iyer, Vice President, Reliance JioInfocomm Limited, Mumbai; Dr. Manmohan S. Atwal, Founding Chancellor, Eternal Global University, USA; Dr. Rajendra Dobhal, Director General, UCOST, Govt. of Uttarakhand; Dr. Neelam Gulati Sharma, Director, Punjab SCST, Govt. of Punjab and Dr. H.S. Dhaliwal, Vice Chancellor , Eternal University Baru Sahib along with other dignitaries from Eternal University.

The Science Exhibition and Workshop was attended by more than 250 student participants of school level (10th to 10+2) from various schools of Dist. Sirmour including Gov. School Rajgarh, Govt. School Bhanog, and including around 150 students from Haryana and Punjab affiliated to eight Akal Academies of Kalgidhar Trust, Baru Sahib has participated in various workshops, exhibition and other events of this scientific outreach program. Overall, the Science Exhibition and Workshop was organized in such a way that maximum exposure can be given to all student about various domains of science. For this purpose, the first half of day one was divided in 5 parallel workshops including Astronomy and model rocketry, Robotics, Hydroponics, and LED making. Different students in groups (max. 60) were registered in these workshops with a representation of students from each school in each workshop. In these workshops, children were provided with hands on training in these specific areas by experts in these domains of science. The experts were, Mr. Deepak Sharma (Model Rocketry), Dr. Rohini (Astronomy), Mr. Yogesh Bhatt (LED Making), Dr. Javed Alam (Hydroponics), Mr. Sashwat Ratan (Robotics). Eminant personality Dr. Biman Basu, Ex-Editor of Science Reporter and Science Writer, New Delhi has presented a very informative lecture after parallel workshop for all the participants on "Emerging Career Opportunities in Science". To more interest of science students, all other sessions of the event were open for all the participants. In this series, Dr. Manmohan Singh Marwaha from Chandigarh have presented his demonstration lecture with the use of innovative models on "Innovative experiments in Physics and Low cost teaching aids" which was useful to both students and teachers. Mr. Deepak Sharma & Dr. Rohini also organized the 'Sky Night Watch Event' using Telescope in the evening time. Mr. Rajpal Panchyal, presented a talk on "Science behind so called miracles". Dr. C. M. Nautiyal, eminent scientist, also presented a talk on "Radiocarbon Dating in unraveling the mysteries in Histories".

Another interesting part was specific Film Shows provided by Vigyan Prasar NOIDA. A separate event as "Competition for students" was also organized and winners of the events were provided prizes in following themes and categories, 1. Traditional technologies of Himachal Pradesh and Understanding the science behind them (Model Making); 2. Save Biodiversity of Himachal Pradesh (Poster Making); 3. Biodiversity of Himachal Pradesh (Poem & Song writing); 4. Save Natural Resources of Himachal Pradesh using Science & Technology (Declamation).

As a continuous and open for all participants as well as visitors, Science Exhibition and posters display was also organized as a part of this event with more than 50 posters were displayed on themes including Science and Technology daily life, Mathematics, Indian Scientists, Indian Space programme etc. It was inaugurated by Dr. Rajendra Dobhal, Dr. Neelam Gulati Sharma, Dr. B. K. Tyagi, Mrs. R.V. Balasubramanium.

A Panel Discussions on topic "Status of Science Communication in India: Emerging Trends" was also conducted a part of workshop and scientists who have participated in panel for this discussion were Dr. H. S. Dhaliwal, Dr. Rajendra Dobhal, Dr. Neelam Gulati Sharma, Shri Biman Basu, Dr. B.K.Tyagi, Prof. S. S. Chandel, Dr. Chandra Mohan Nautiyal.

3.6.3 How does the university promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International programmes?

Every Student volunteer has to complete 20 hours of service under the regular activities.

University has got approval from Govt. of India, Ministry of Youth Affairs and Sports regarding initiation of National Service Scheme. Students will voluntary participated in these activities and will encourage in improvement of various social activities as per the guidelines.

Students are also actively participating extension work through different clubs (Science Club, Physics Club, Fine arts club, Green Club etc).

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the university to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

Social surveys are conducted by the students of B.Ed. Programme students from the Akal College of Art and Social Sciences and students of Master of Public Health

3.6.5 Does the university have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?

University have taken the responsibility of ensuring students' involvement in various social activities thorough literacy awareness, road safety awareness, voting right awareness and enriching their social responsibility towards the society.

3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the university, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.

Soil and plant health clinic empowers the students to identify problems faced by the farmers in the field. Students are given on hand training to interact with the industry and community to up-grade their professional skills

3.6.7 How does the university ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the university which have encouraged community participation in its activities.

Kisan Mela and Field Days organised by the University draw huge number of farmers. Likewise public health awareness and educational programmes involving large sections of the community.

3.6.8 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

- Hon'ble Chancellor was awarded by NICER for lifetime achievement award.

- Mr. M. P. Singh, Lab Coordinator, Renewable Department, Eternal University, Baru Sahib received CST & Solar Cooker Excellence Award 2016 from Sh. Piyush Goyal Hon'ble Minister for Power, Coal & Renewable Energy, Govt. of India.
- Dr. H.S. Dhaliwal, Vice Chancellor received Tertiary Education Award from National Institute of Cleaniness Education and Research (NICER), New Delhi.

3.7 Collaboration

3.7.1 How has the university's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the university benefitted academically and financially because of collaborations?

A large number of national and international collaborations (listed below) have made Eternal university a vibrant campus for teaching and research. Experts from diverse nationalities, regions, educational, and cultural backgrounds visit the campus and interact with the faculty and students. As a result our students are among the best in the region.

INTERNATIONAL ACADEMIC COLLABORATION

John Hopkins University, Medical College, Baltimore MD, U.S.A.

Wayne State University, College of Engineering, Detroit MI, U.S.A.

Drexel University, College of Nursing & Applied Sciences, Philadelphia U.S.A.

University of British Columbia, Department of Human Nutrition Vancouver BC, Canada.

University of Toronto at Mississauga (Ontario), Canada.

Kansas State University, Manhattan, Kansas U.S.A.

And many others

NATIONAL ACADEMIC COLLABORATIONS

Panjab University, Chandigarh

Guru Nanak Dev University, Amritsar, Punjab

Punjab Agricultural University, Ludhiana, Punjab

G.B. Pant University of Agriculture and Technology, Pant Nagar, Uttarakhand

Himachal Pradesh University, Shimla, H.P.

Central University of Punjab, Bathinda, Punjab

Indian Institute of Technology, Roorkee

I.H.B.T (CSIR) Palampur, H.P.

National Physical Laboratory, Pusa, N. Delhi

NIT Hamirprur, H.P.

National Agri-Food Biotechnology Institute, Mohali, Punjab

NRCPB, IARI, Pusa, New Delhi

Punjab Biotechnology Incubator, Mohali, Punjab

Gujarat Institute of Solar Energy, Gandhinagar.

And many others

3.7.2 Mention specific examples of how these linkages promote

Curriculum development

Department of Information Technology, Computer Science and Engineering, Mechanical Engineering, conducting various software courses such as latest programming, design software's, circuit programming and design which help them to meet the expectations of various industries.

Faculty exchange and development

The faculty members were encouraged and motivated to attend various development programs, collaboratively with the help of other agencies and industries like Infosys campus connect, IBM, English Speaking, TCS, etc. Faculty members of the university permitting professional development programmes like Refresher /Orientation Course. Many of the faculty members completed refresher courses in reputed institution.

Publication

Several faculty members from university have published research articles with university/institute collaboratively and these are listed in the Department report.

Extension

Multiple extension activities are organised by the College of Agriculture , Centre of Public Health, and collage of education. . These are regular and curricular requirements.

Student placement

The organizations are directly and indirectly supporting to the placement of the students.

3.7.3 Has the university signed any MoUs with institutions of national/ international importance/other universities/ industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the university?

Our institution has MoUs with various industries given below, to exchange knowledge and support in research activities. As listed in Criterion 1

3.7.4 Have the university-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

University has initiated process for building sustainable interaction and relationship with the Industry. MoU is under active process with some of the industries.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 How does the University plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The infrastructure requirements are planned taking into account the requirements prescribed by the statutory bodies for various courses, the location, requirements of staff and students, advancements in different fields and the vision and mission of the university. Infrastructure of the university include

SEPARATE BLOCK FOR EACH COLLEGE
A separate spacious block for each college to house the class rooms, Laboratories, Seminar Hall, Staff Room, Department Library for B.Ed course .

ICT ENABLED LEARNING
Wi-Fi connectivity with 1 GBPS bandwidth, smart class rooms, Digital Knowledge Centre, Data bank and Video Conferencing facility.

LABORATORIES
Well-equipped labs with required facilities

LIBRARY
A spacious Central Library apart from Department libraries

ADMINISTRATIVE BLOCK AND EXAMINATION WING
A separate university block, an Administrative Block and 16 Halls exclusively earmarked for exam related works.

HEALTH CARE CENTRE
100 bed hospital with team of specialist male and female doctors and supported by staff nurses and attendants with five ambulances for patient facility

AUDITORIUM
A Hill-top Auditorium, one open air theatre, one A.C Conference Hall, and 7 mini. Conference Halls.

TRANSPORTATION
A fleet of 5 buses and 3 mini/traveler’s bus cover transportation across all the areas in and around the university to cater the transport needs of students and staff.

POWER AND BACK UP
A transformer with 500 KVA high tension supply, 6 Generators KVA, Solar Energy System to feed the kitchen and lights

As the campus remains vibrant always optimal utilization of the infrastructure is ensured.

Hostels:

University has six hostels one for Boys and five Girls to accommodate around 1500 students.

Staff Quarters

University provides residential accommodation to more than 200 family accommodations for staff members both academic and non-academic**.**

University Guest – for visiting faculty, visitors, parents and guest

Fire-safety- fire safety equipments are installed in every building and on every floor of the campus

4.1.2 Does the University have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few incentives.

Yes. The university dynamically upgrades its infrastructure facilities with the changing scenario on the academic side. Every department in the university has been provided with a smart class room which includes Wi-Fi connectivity, LCD projector and camera. For the improvement of the communication skills of the students, Language Lab has been provided. Digital knowledge centre is being strengthened gradually.

4.1.3 How does the University create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

To create a conducive environment for research, the faculty members are provided with laptops with Wi-Fi connectivity of 1 GBPS internet bandwidth. There is an in-built Digital Library in our university. The faculty is given access to utilize the resource materials and e-databases. The University encourages the faculty members to submit their Research Projects to funding agencies and gives cash incentives to the faculty for their meritorious research publications.

4.1.4 Has the University provided all the departments with facilities like office room, common room and separate rooms for women students and staff?

Yes. The University has provided all the departments with facilities like office room and common room. Separate rest rooms for women students and staff are also provided with adequate furniture, water supply and electricity. The

University is conscious about the need for common room and rest room for the students and faculty and the same has been provided at different locations.

4.1.5 How does the University ensure that the infrastructure facilities are disabled friendly?

Escalator and Ramp facility is available in all the buildings in the University with the space for parking vehicles of the disabled nearby. Classes and examinations for those students are held at ground floors.

4.1.6 How does the University cater to the residential students? Give details of: Capacity of the hostels and occupancy (to be given separately for men and women)
Pl. refer 4.1.1. above

4.1.7 Does the University offer medical facilities for its students and teaching and non-teaching staff living on campus?

Yes. The University has a 100-bed hospital working 24 hours a day.

4.1.8 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?

The University has a multi-purpose playground. Separate volleyball courts, basketball and badminton courts for boys and girls have been provided. The students of the University are given special coaching and are encouraged to participate in the Inter-Intra university sports tournaments held at various places. Students also exhibit their talents in cultural events/activities during the cultural day and university day and thus they get platforms to improve their skills in cultural activities. The Auditorium is also used for screening of short films of social relevance for the students.

The details of the sports facilities are given below:

Sl. No.	Sports Activities	Facilities		
		Athletics	Material/ Equipment	Expertise
1	Athletics (M & W)	400M Track in University Ground	All Athletic equipment is provided to students to facilitate training and competition in all track/ jump/ throw events	Well-qualified and trained coaches/ trainers are engaged to train players throughout the year.
2	Badminton (M& W)	6 Outdoor Courts in University Ground	Sufficient no. of graphite racquets/ cocks/nets are made available	Well-qualified and trained coaches/ trainers are engaged to train

				players during the seasons.
3	Basket Ball (M &W)	University Ground (1 Cement Court)	Sufficient no.	Well-qualified and trained ADPE/ coaches/ trainers to train players throughout the year.
4	Chess (M&W)	University Sports Complex	Sufficient no. of chess boards and coins are made available.	Well-qualified and trained coaches/ trainers to train players during the season.
5	Cricket (M&W)	University Ground (1 Ground)	Sufficient no. of Bats/Balls/Batting and Wicket keeping Leg guards/batting and wicket keeping gloves/stumps/mats etc. are made available.	Well-qualified and trained coaches/ trainers to train players.
6	Football (M&W)	University Ground (1 Ground)	Sufficient no. of moulded.	Well-qualified and trained coaches/ trainers to train players.
7	Kabaddi (M&W)	University Ground (2 Courts)	Uniforms have been supplied.	Well-qualified and trained ADPE/ coaches/ trainers to train players.
8	Table Tennis (M& W)	1 in Ladies Hostel and 1 in Marine Hostel	Standard Tables/ Balls/ Racquets and uniforms are made available.	Well-qualified and trained coaches/ trainers to train players.
9	Volleyball	University Ground	Moulded Synthetic balls and Uniforms are made available.	Well-qualified and trained coaches/ trainers to train players.
10	Best Physique (M) & Power Lifting (M&W)	University Sports Gym 1 in Boys Hostels and 1 in Ladies Hostels	International standard weight apparatus and uniforms are made available.	Well-qualified and trained coaches/ trainers to train players.
11	Weight Lifting (M&W)	University sports Complex	International standard weight apparatus and uniforms are made available.	Well-qualified and trained coaches/ trainers to train players

12	Yoga (M&W)	University Indoor 1 in Girls Hostel and 1 in Boys Hostel	Uniforms are made available.	Yoga Masters provide training.

4.2 LIBRARIES AS A LEARNING RESOURCE

4.2.1 Does the Library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?

Yes. The Library has an Advisory Committee with 11 members. It includes eight Faculty members and three students.

Dean, Library Sciences		
Librarian	-	Secretary
Professors (2 Nos.)	-	Members
Assistant Professors (2 Nos.)	-	Members
Deputy Librarian	-	Member
Assistant Librarian	-	Member
Students (3 Nos.)	-	Member

4.2.2 Provide details of the following:

4.2.3 Give details of the Library holdings

1.Total No. of Books in Eternal University Library = 42936

2.Total No of Journals & Magazines in Eternal University = 53

3.Total No. of Computers in Under-Graduate Library Computers = 5

4.Total Covered Area of Eternal University Library = 10000 Sq. Ft.

Department	No. of Books	No. of Titles	No. of Journals	
			National	International
Engineering and Science	12611	3360	8	15
Social Science & Arts, Commerce and Management	3942	1004	5	3
Nursing	3234	665	03	19
Gifted and Donated	12579	8240	-	-

Post Graduate Library	10570	7005	-	-
E-Journals			National & International 2005 E-Journals	
Total Books	**42936**	**20274**	**16**	**37**

4.2.4 What tools does the library deploy to provide access to the collection?

Digital catalogue

4.2.5 To what extent is ICT deployed in the library? Give details with regard to

Library automation	: Yes
Total Number of Computers Access	: 50
Total Number of Printers for Public Access	: 2
Internet Bandwidth Speed	: 1 GB (BSNL)
Institutional Repository	: Yes ()
Content Management System for e-learning	: No
Participation in resources sharing	:Yes DELNET) `

4.2.6. Provide details (per month) with regard to

Average number of walk-ins	: 258
Average number of books issued / returned	: 900 per month
Ratio of library books to students enrolled	: 1:39
Average number of books added during the last four years	: 1421 per year
Average number of login to OPAC	: NIL
Average number of login to e-resources	: 200
Average number of e-resources downloaded / printed	: 90
Number of IT (Information Technology) Literacy trainings organized	: 02

4.2.7 Give details of specialized services provided by the library with regard to

Manuscripts:

Not Available in the Library

Reference:

University Library providing reference service to the library users.
The library has a Separate Section for reference materials including Reference Books, Periodicals, Back Volumes, Reports, Theses and Question Papers.

Reprography:
Two Photo Copiers are available in the library for the use of Students and staff.

Information Deployment and Notification: Yes,

The Library displays notices and Circulars for the New Information development.

OPAC:

Online Public Access Catalog is available in the Library to search the library resources.

Internet Access:

Wi-Fi-Network Connect is available to students and staffs, Library users can access e-resources through the Digital Knowledge Centre of the university.

Downloads:

Download facilities are provided for the E-Journals, E-Books, and Information Sources.

Printouts:

Two Printers are available for the Library users.

Users can avail print facility on Payment basis.

In-house/remote access to e-resources:

E-resources can be accessed through the Digital Library.

Assistance in Searching Databases:

Digital Knowledge Centre staff offer their support in the search for e-Resources subscribed and listed on the notice board.

INFLIBNET/IUC facilities: Membership with INFLIBNET

4.2.8. Provide details of the annual budget and the amount spent for purchasing new books and journals.
16.71 lacs

4.2.9. What initiative has the University taken to make the library a 'happening place' on campus?

A very good infrastructure, with a peaceful environment, surrounded by natural greenery and ecofriendly atmosphere brings users spontaneously to the library to make use of its resources.

4.2.10 What are the strategies used by the library to collect feedback from its users? How is the feedback analyzed and used for the improvement of the library services?

Printed questionnaires are used to collect the feedback from the students every year. They are analyzed and details are placed before the Library Advisory Committee. Valid and useful suggestions given by the students are implemented.

4.2.11 List the efforts made towards the infrastructural development of the library in the last four years.

Periodical up-gradation of library. Budget provision is made every year

4.3. IT INFRASTRUCTURE

4.3.1 Does the University have a comprehensive IT policy with regard to IT Service Management:

University focuses on the quality of IT Service delivery to students and staff and provides service excellence on campus with effective and fast resolution of incidents and requests; relevant and useful reporting; or being the source for answers through knowledge base.

More services like improved IT incident tracking, IT problem management and service request resolution are also available. Ability to extend the tools to other IT units on campus is enabled. Improved reporting capability for existing metrics and new ones are also included.

Information Security:

Network Security

Risk Management:

The University has real time monitoring system for indicating the fault users and locked users. The well-experienced and qualified engineers with every time monitoring system help to find immediate solution for users. The backup servers are used to restore main server while corruption. The university also has redundant power supply to power the servers.

Software Asset Management:

Coordinated by a team of members, the university looks after the maintenance of the IT Service at the primary level. A more comprehensive maintenance of IT Service is provided by IT Department of University

Open Source Resources:

Encouraging the use of Open Source Software like Linux Contents E-Learning, Libre Office , Pfsense, Joomla, WordPress , GC++ Compiler etc. Student or staff can access the E-Learning from wherever they are. Free access is provided for web based lessons.

Green Computing:

We have deployed low power consumption Intel Atom Processors Computers and all the computers are equipped with low power computers with LED monitors. These measures are fully support green environment and reduce more cost and power consumption.

4.3.2. Give details of the University's computing facilities i.e. hardware and software.

Number of systems with individual configurations: 320

Computer-student ratio is 1:5

Dedicated computing facilities

Full-fledged separate computer centers that have Pentium based computers including the latest Dual-Core, Core 2 Duo, Core i3, 6Core from leading Global vendors like AMD, Intel, Wipro, HCL and IBM and we also have Intel Zeon based Servers like IBM x3400, Dell Power Edge R 710,Juniper-L3 Fiber Optic High end Switch, Manageable Switches, Cisco Router are available in the campus.

LAN facility

A strong network backbone of 1G and 10G (for major distribution centers) as a structured deployment with 20 distribution points covering the entire campus area with wired and wireless components.

Proprietary software

Computing facility of the university comprises of licensed software such as windows 10, Microsoft Office, Microsoft Visual Studio. Adobe Flash, Adobe Photoshop

Open Source Software

Firewalls Pfsense
Libre Office
Linux Open Suse
Linux Ubuntu
Joomla
Wordpress
My SQL
GCC compiler

Number of nodes/ computers with internet facility 320 (with wired or wireless connectivity)

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

University upgrades or deploys IT infrastructure and associated facilities regularly.

Due to technology advancement, the university has been able to weed out the obsolete systems and replace the same with high end hardware. Due to natural wear and tear, IT infrastructure needs to be replaced periodically to prevent sudden service interruptions. Extension of IT infrastructure due to the increase in demand for IT services also becomes necessary. The University intends to deploy and upgrade the IT infrastructure and associated facilities as per the academic requirements of the students.

In all the mentioned situations of IT infrastructure deployment and upgrading, the IT service provider (departments or central facilities) will submit a proposal to the Vice-Chancellor's Office. The proposal will be approved based on the scrutiny by the Vice-Chancellor's office. For the approved proposals, purchase and deployment will be carried out by the Computer Purchase Committee and the concerned department.

4.3.4 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching, learning and research.

Access to online teaching and learning resources are provided to staff and students with high speed Wi-Fi access. Webinar provides Web Content audio-video lecture programmes to staff and students. They can access e-journals and e-books and resources from internet.

4.3.5 How does the University address issues such as authenticity and copyright with regard to online resources that lie outside the University?

Process Initiated.

4.3.6 What are the new technologies deployed by the University in enhancing student learning and evaluation during the last four years and how do they meet new/future challenges?

Creating web-based (e-learning) materials and making them available in the form of portal that would be tailored to meet the needs of students are also done. Smart class rooms with OHP, LCD Projectors and laptops enhance the student learning and evaluation.

4.3.7 What are the IT facilities available to individual teachers for effective teaching and quality research?

All the staff have access to Personal Computer / Laptop and internet access in the Department in order to promote research and effective teaching. Staff are provided with training on computer application. The staff have access to internet facilities at all times. Further, subscription to many e-journals and on line resources by the university helps teachers to know the latest research undertaken in their field of research and helps in pursuing quality research. The IT facilities available are 24x7 internet access, smart classrooms, personal computing devices with legal software, access to library & other research resources, self-services to enhance productivity.

4.3.8 Give details of ICT-enabled classrooms/learning spaces available within the university? How are they utilized for enhancing the quality of teaching and learning?

ICT-enabled classroom is always available for teaching in the department, apart from seminar halls, conference halls and auditoriums which can be used for large gatherings and to accommodate more student strength. Interactive boards in smart class rooms enable teachers to project downloaded content straight to students. Faculty members use PPT, LCD projector and pointer during lectures. This saves the time involved in drawing the figures on the blackboard. This also provides sufficient time for explanations and discussions. Whiteboard and marker are also used to answer the questions from students. Facilities such as LCD projectors, OH Projectors, Language Lab, Computer Lab, Internet, Television etc. are available for enhancing the quality of teaching and learning.

4.3.9 How are the faculty assisted in preparing computer-aided teaching-learning materials? What are the facilities available in the university for such initiatives?

The faculty is encouraged to prepare electronic presentations on their subjects and deliver them through Power Point or equivalent Presentation Graphics tool. Faculties are also enabled with simulators and other lab equipment to enable them to do real life simulations. Staff members are given training and encouraged to attend computer related workshops. Teaching notes, Power Point Presentations, materials in soft copies are also being provided to the students. Faculty members are provided with Desktop and Laptop computers

along with Internet to aid them in preparation of the course content, lectures and in updating their knowledge. They are given training in the beginning of academic year to help them in preparing e-learning materials and to use online resources.

4.3.10 How are the computers and their accessories maintained?

Qualified and well-trained computer technicians are available in the University for the overall maintenance of computer and computer related equipment and components. Though AMC was given the job of maintaining the major equipment, now the entire set up is maintained by the in-house technical person as the AMC cost is very high. Minor problems will be rectified immediately and certain percentage of replacements will also be done immediately. Major failures will be rectified out with the support of external experts if necessary. The downtime for the computers, servers and networking components are very less as the problems are rectified immediately in most of the cases.

4.3.11 Does the university avail of the National Knowledge Network connectivity? If so, what are the services availed of?

NO
National Knowledge Network (NKN) is not available at remote location of the University.

4.3.12 Does the university avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

Yes. The University policy allows access to all education enhancing e-resources which are in public domain as per the IT polices existing in the university. Students are registered at Internet Lab of the University for Internet services on admission. Each faculty member is also registered at the Internet Lab. Students become aware very soon of how to avail web resources, Wikipedia, Google search, e-mail communication, dictionary and other education enhancing resources on joining the university. The resources of Wikipedia dictionary, e-books, video tutorials and PPTs are used extensively by the students and faculty. Access is provided to websites, e-books, e-tutorials, PPTs, course material, webinars, virtual class room lectures, e-mail, video conferencing and other services. Web-access is also available for examination results, grade sheets etc.. Intranet and Internet links to video lectures, seminar proceedings are also available.

4.3.13 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the university.

The university allocates money/fund in the Annual Budget for update, deployment and maintenance of computers as per the approved budget for the IT/ICT

4.3.14 What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?

The access to IT resources made for students expose them to outside information and environment. Field exposure through industrial visits to various industries, through educational tours provides students practical knowledge on the latest technologies developed and the latest avenues for their career development. Merging of Industrial tie up programmes in curriculum helps students in getting hands on practical knowledge in addition to knowledge gained through university classroom lectures.

4.4 Maintenance of Campus Facilities

4.4.1. Does the university have an estate office/ designated office for overseeing the maintenance of buildings, classrooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Yes.
The University has an Estate Office, headed by an Estate Officer. The Estate Officer is supported by supervisors for different functions/works and plumbers, electricians and other skilled workers. who are in regular positions in adequate numbers. The Estate Office is responsible for the construction and the maintenance of classrooms, buildings, laboratories, water supply and power supply system. If any repair work is required, the Estate Office promptly attends on the work. The laboratories in each department are maintained by the concerned technical assistants with the help of HOD. The System Manager is responsible for the maintenance of the computers in the campus.

4.4.2 How are the infrastructure facilities, services and equipments maintained? Give details.

The University has appointed housekeeping/ technical staff for day to day cleaning and maintenance of the university premises. The University provides adequate budget for maintenance of infrastructure facilities and equipment. Annual Maintenance contracts (AMC) are entered with service providers for the maintenance of important equipments in the university.

CRITERION V STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the university have a system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes.

Mentoring of the students is carried out strenuously to support them in the successful completion of their course and developing them in skilled workforce. A mentor has 20 to 25 students and continue to guide them through out their studies till the completion of the course. The main duty of a mentor is to care for the welfare, keep the eye on the attendance and academic performance of the assigned students. The mentor will meet the students regularly and record the discussions of their meet. The status of the students is informed to the stakeholders often. The status of absence of a student from class is monitored and recorded in time.

Also, performance in the internal and model tests is monitored and if necessary coaching is given as needed. The mentor will also be monitoring the behaviour and discipline of the students. Mentors inculcate them for good ethical behaviour with the other students, staff and management.

Physical and mental health of the students, their performances and achievements in co-curricular and extracurricular activities are also monitored regularly. Personality development of the students is channelized for their overall growth.

Students are given additional academic support by conducting remedial classes, who are weak in their studies. Counsellors are assigned to take care of the weak students. Access to information through University Websites is allowed anywhere anytime. Maintaining proper discipline of the students is one of the main aims of the institution.

Structural characteristics of student support and mentoring system are as follows:

Mentor must keep the bio-data of each student. Student Affairs office has been established with a Director and supporting staff to take care of and monitor the activities, of students.

The functional characteristics of student support and mentoring are as follows:

Mentors are advised to look after the students. They monitor the students about their discipline in both academic and personal levels. Mentors give every day attendance report of the students to the office of Director, Student Affairs. Mentors collect feedback from students about faculty who teach them the subjects. Mentors strictly monitor the behaviour of the students inside the class and university campus. Mentors must be ready to arrange for medical aid

to students who need emergency treatment. Mentors guide for arranging Industrial Visits and tours for the students.

Women's Cell and SC/ST Cell provide necessary counselling to the respective students. Security personals have been put up and on the campus, the security systems are installed in various locations of the campus to strengthen the security of the students.

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

The provisions available for academic mentoring are: Students are exposed to workshops,seminar invited talk, guest lecture and industrial visits.
Apart from this Technical level events conducted by the university help the students to express their views and get necessary answers from the resource persons. Industry and management experts are often visiting the campus to provide necessary information on different levels of the needs of the students. Faculty members help the students in clearing their doubts in their curriculum and provide necessary guidance on their projects in the cultural classes.

WiFi enabled campus with the computing devices help the students to communicate and get answers from the corresponding faculty members through online. Students can avail the help of the faculty for this purpose. Question banks with answers and other course materials are uploaded in the University Website and Digital Library server for around the clock reference.

5.1.3 Does the university have any personal enhancement and development schemes such as career counseling, soft skill development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

Yes.

1. The Department of Placement and Training has been established in the university is functioning for providing guidance to students, for their career counseling, soft skills development, career path identification through collaboration with industries and training organizations. Students are given a platform of industry interaction through workshops, industrial training and industrial visits.
2. Departments remain in touch with alumni to get their suggestions in this regard. The following systems work efficiently and regularly for the benefit of the students. The University has successfully conducted language skill labs, communication techniques to the students.
3. The students are well informed about functioning structure, policies and departmental activity at the time of different departments.

CAREER COUNSELLING:

Career counseling is given to students at various levels The University has a dedicated team of the faculty imparting Soft Skills to the students. Soft Skill Programmes are taught by internal resource persons and slots are allotted in the regular time table. Also, the students are trained through external corporate training agencies like TCS, and Infosys etc. The Department of Training and Placement regularly conducts group discussions and other similar orientation and training programmes for the students. Mock tests and mock interviews are also conducted to prepare them for placement and to face the interviews.

The University is an Advanced Partner of Campus Connect Initiative of Infosys Bangalore, for enhancing the employability Skills of the Engineering graduates. Infosys Campus Connect ―Soft Skills module is being rolled out every year. Faculty members of the Department of English who have earlier been trained by experts of Infosys, train the students. The various programmes that are conducted for the benefit of the students by the university as a part of the curriculum are given below.

ACADEMIC COUNSELLING:

The Faculty Advisors guide the students in academic and personal matters by offering the required help in terms of mentoring and counselling. Head Of the Department counsels the students at the department level. University has constituted a dedicated team of senior faculty to counsel the students which is intended to improve their academic performance.

PERSONAL COUNSELLING:

Personal care of students is taken by the Faculty advisor along with other faculty members and problems like family issues, misunderstanding with family members, career guidance social issues etc. are counselled by them. A Grievance Redressal Cell is constituted to consider the grievances of students and to redress their problems. The faculty members meet the 20 students assigned to them in each class every week and help them/guide them to face all challenges in academic and real life. An exclusive counselling and guidance cell is set up to attend the problems of newly admitted students.

5.1.4 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes.

University facilitates Bank loans by providing necessary documents to the students as required by the Banks. Moreover, SBI is located inside the campus whose staff visit for opening of account and other transaction work.

5.1.5 **Does the university publish its updated prospectus and handbook annually? If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?**

Yes.
All the details required as per the UGC, NCTE, and AICTE guidelines are provided in the Information Brochure, Regulation Handbook, Syllabus Book, Academic Calendar and Examination policy. The hard copies are prepared and distributed to the students during the start of every academic year to the fresh students.
Online information is also available on the University website.

(www.eternaluniversity.edu.in).

5.1.6 Specify the type and number of university scholarships / free ships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG/PG/M.Phil. /Ph.D./Diploma/others (please specify).

Yes
As per the university policy mentioned in the Institutional Profile

5.1.7 What percentage of students receives financial assistance from state government, central government and other national agencies (Kishore Vaigyanik ProtsahanYojana (KVPY), SN Bose Fellow, etc.)?

Yes
Financial assistance from the State and the Central Governments is given in criterion 5.1.6. No grants are provided to them from the national agencies programmes such as KVPY, SN Bose etc.

5.1.8 **Does the university have an International Student Cell to attract foreign students and cater to their needs?**

Assistance to international students is provided through admission cell. Students fromnepal are studying in our university.

5.1.9 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes. The details are provided in 5.1.4.

5.1.10 What types of support services are available for

OVERSEAS STUDENTS:
Information of HP geography and culture is given so thet they can comfortably spend their life in the past and do not get disturbed by any

trival issues.

PHYSICALLY CHALLENGED / DIFFERENTLY-ABLED STUDENTS:
Ramp and lift facility is provided to the physically challenged students. Ground floor class rooms are provided to them. Vehicle parking is provided nearer to the class rooms. They are given priority in queue and given assistance in availing all services. In hostel, the ground floor is allotted for the students with physical disabilities.

SC/ST, OBC AND ECONOMICALLY WEAKER SECTIONS:
Scholarship and loan facilities are prioritized for them. SC/SCT Cell has been started to handle their problems within and outside the campus. University ensures maintaining equity to them among all students. SC/ST/OBC students and Economically weaker sections receive financial assistance from Government in terms of tuition fee and maintenance charges. The University also facilitates the same.

STUDENTS PARTICIPATING IN VARIOUS COMPETITIONS /CONFERENCES IN INDIA AND ABROAD:
Special care is taken of the students who make travels for participation in academic events and the like wherever they go. Special diet is provided to them for maintaining their good health. Travelling facility are provided by the University. They are given privilege in their attandence and tests by considering their absence as ON DUTY leave and retest will be conducted as compensation.

HEALTH CENTRE, HEALTH INSURANCE etc.:
A fully equipped 100 bed hospital is active for 24x7 hours inside the campus. Medical Laboratory is also attached for clinical testing. Ambulance fully equipped with medical aids is also available in the campus to take sick students to hospital.

SKILL DEVELOPMENT (SPOKEN ENGLISH, COMPUTER LITERACY, etc.):
Special classes are conducted for the students with poor understanding and writing skills of English. The main aim of the university is to provide computer literacy to all the students who are studying in the campus and hence provide them WiFi hotspot all around the campus.

Courses are being conducted for the students as value added courses of English and other languages. All students are screened for their language proficiency and other soft skills to identify their personality and learning style. The Professional Experts from various fields are invited to interact with the students and to ascertain their requirements.

PERFORMANCE ENHANCEMENT FOR SLOW LEARNERS:
Special coaching classes for the slow learners are conducted often by the concerned staff members. Student representatives are advised to identify them and bring them to the faculty for further clarification of subject areas after the

class hours. Slow learners are identified after each Internal Assessment Examination and they are provided with better care in class rooms. Class mentors take special attention of slow learners. Tutorial classes are conducted for analytical subjects. Elaborate question banks with solutions are provided to the slow learners.

EXPOSURE OF STUDENTS TO OTHER INSTITUTIONS OF HIGHER LEARNING/ CORPORATES/BUSINESS HOUSES, etc. :
The university has MOU with other universities and the experts from other universities are invited for special talks.

PUBLICATION OF STUDENT MAGAZINES:
Students are involved in many panels as members, editors, organisers etc. for newsletter, magazine, article, journals etc. of the university. Students' magazine "EU Voice" is published bi-annually.

5.1.11 **Does the university provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defence Services, NET/SET and any other competitive examinations? If yes, what is the outcome?**

University is planning to organise special coaching classes to prepare student for various competitions such as IAS, Defence Services, Bank Examination and Other Civil Service Examinations etc., Training and Placement Department guides the students about coaching, training and exam preparation at present.

5.1.12 Mention the policies of the university for enhancing student participation in sports and extracurricular activities through strategies/ schemes such as

ADDITIONAL ACADEMIC SUPPORT AND ACADEMIC FLEXIBILITY IN EXAMINATIONS:

1. Retest for the students who have participated in sports and extracurricular activities at the time of the tests.

SPECIAL DIETARY REQUIREMENTS, SPORTS UNIFORM AND MATERIALS:

Special dietary and sports uniform are provided to the participants.

5.1.13 Does the university have an institutionalized mechanism for students' placement? What are the services provided to help student identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?

Yes.
We have the Department of Training and Placement, which is headed by Training and Placement Officer who has worked in MNCs and has experience with other organizations. The following services are offered by the department,

- Career Guidance
- Campus and Off Campus Interviews
- Placement Training
- Software Skills
- Skill Enhancement Programmes
- Entrepreneurship
- Competitive Exams
- Industrial Training

5.1.14 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

Year – wise details of placement are given below.

S. No	Branch	2016		2015		2014	
		Total Students	Students Placed	Total Students	Students Placed	Total Students	Students Placed
1	Engineering	68	38(Rest opted for Higher studies)	71	20 (Rest opted for Higher studies)	109	25(rest opted for Higher studies)
2	Management	12	7	1	1	3	3
3	MPH	13	9	8	8	3	3
4	Education	21	18	22	13	6	6
5	Arts & Music	21	18	22	13	28	21

5.1.15 Does the university have a registered Alumni Association? If yes, what are its activities and contributions to the development of the university?

Yes

Alumni Association meetings are conducted regularly. The Alumni Association facilitates the meeting of the alumni at least once in a year. In Alumni reunion is done in the meetings where discussion on career guidance is given much importance. Improvements about infrastructural facilities in the university and installation of latest frameworks in laboratories with latest equipment is frequently discussed by them. Guest lectures and seminars by Alumni are given related to the latest technologies available in India and abroad.

5.1.16 Does the university have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

Yes.

As per the norms given by the authorized bodies like UGC, AICTE, NCTE etc., the university constituted a Grievance Redressal Cell. It deals with the following matters: Hearing and registering the grievances from students, women students, SC/ST/OBC students, employees and stakeholders of the university. The grievances can be sent through mails, phone calls, and letters in suggestion box or in direct to the members of the cell.

Proper enquiries are initiated and grievances are redressed through them.Academic Audit Committee takes feedback from students regarding Academic issues.

5.1.17 **Does the university promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.**

Yes.

Seminars and programmes are conducted to provide awareness on gender related issues. Sexual harassment is considered as a matter that demand top priority and necessary steps are taken when needed on time by the cell. Cybercrime related seminars are conducted more often by the departments to bring awareness to the students of both genders.

5.1.18 **Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?**

Yes.

As per the orders issued by the UGC and Government, Anti-ragging Committee has been constituted that comprises of senior staff members and they are assisted by other staff members. Each nook and corner of the university campus and hostels is monitored by the assigned faculty members. Security personnel are deployed in the campus 24x7 hours. Class timings for the first-year students are adjusted not to synchronize with those of the senior students. Intervals, lunch time and closing time are different for first year students and other senior students. Separate hostel blocks are maintained for the junior and senior students.

The Anti Ragging Committee Comprises of the following:

ANTI RAGGING COMMITTEE MEMBERS

S. No	NAME	DESIGNATION	CONTACT NO.
1	Dr. H.S. Dhaliwal	Vice Chancellor	09805098702
2	Dr. Davinder Singh	Registrar	09816400503
3	Dr. Neelam Kaur	Dean Akal College of Health & Allied Science	09816400504
4	Dr. H.S. Chauhan	HOD , Akal College of Health & Allied Science	09816800860
5	Dr. Jaswant Singh	Dean Student Welfare	09816400546
6	Mr. Pritpal Singh Rana	SDM Rajgarh	09418966880, 01799-221034
7	Mr. Ram Chand	SHO Pachhad	9418120727, 01799-236727
8	Mr. Yogesh Rolta	DSP, Rajgarh	01799-221057
9	Mr. Ved Prakash	Reporter Amar Ujala, Rajgarh	09418453018
10	Dr. B.S. Boparai	Dean Academics	9805672270
10	Dr. Gurjit Kaur	Asst. Professor, Akal College of Health & Allied Sciences.	9815636008
10	Mr. Pawan Kumar Dubey, Asst. Professor, Akal Collge of Eco. Comm. & Management	Dean Academics	9857016379
10	Mr. Narinder Pal Singh Chhina	Security Adviser	09816480900
11	Dr. V.K. Chauhan	Parent	0987379717
12	Ms. Gagandeep Kaur	MBA Student	09878156626
13	Ms. Supreet Kaur	MBA Student	09816970129

MEMBER OF ANTI RAGGING SQUAD			
S. No	**NAME**	**DESIGNATION**	**CONTACT NO.**
1	Dr. J.L. Sharma	Dean, Akal College of Eco. ,Com. & Management	09805098718
2	Dr. P.S. Cheema	Dean, Akal College of Engineering & Technology	09816400641
2	Dr. Jaswant Singh	Dean Student Welfare	09816400641
3	Mrs. Ranjit Kaur	Warden Girls Hostel	09805098709
4	Ms. Mandeep Kaur	Warden Girls Hostel	08894518634
6	Mr. Ravinderjit Singh	Workshop In-charge	09816819379
5	Ms. Gurjit Kaur	Asst. Professor, Akal College of Health & Allied Sciences.	09815636008
5	Ms. Babita Kachi	Asst. Professor, Akal College of Agriculture	09418317405

Anti-Ragging and surveillance squad is regularly roaming around the campus to monitor the students in the campus. Online Anti-Ragging Affidavit is submitted annually to Hon. Supreme Court of India and UGC.

5.1.19 How does the university elicit the cooperation of all its stakeholders to ensure the overall development of its students?

STUDENTS:
Feedback on the selection and modification of curriculum, course, teaching staff, technical staff and other experts are received. Analysis is done on the views of the students and necessary actions are taken as remedial measures.

STAFF MEMBERS:
Feedback in the form of appraisal by the faculty is taken regarding the function of the university and department taken to improvise the teaching skills of teachers.

PARENTS:
Parents Teachers meeting and parent management meeting are conducted to ensure good quality teaching and policies.

EMPLOYERS:
Curriculum design that reflects the latest technology is discussed with the employers more often. Details on student requirement and eligible students

for employment are informed earlier. The Board of Studies in each department incorporates at least two experts from reputed organizations.

ALUMNI:
Feedback from alumni helps frame the syllabus to meet the requirements for placement and career prospects of students.

EXPERTS:
Lectures on latest trends are often delivered by experts from outside the campus. Feedback from the students are collected for further analysis and discussion in Boards of Studies, Placement Training, Skill Enhancement Programmes etc. In addition to that, experts who visit the university for National and International conferences are utilized for university curriculum designing and development.

5.1.20 How does the university ensure the participation of women students in intra- and Inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

Inter-department competitions are often conducted to test the level of woman students' talents in events. Women Students have participated in cultural events inside the campus and in other institutions. The various schemes provided by the University for the Effective Women Students Participation are: fee concession to the participants, gym and yoga classes in Ladies Hostels for their sports activities and indoor game courts inside the Ladies Hostel.

5.2 Student Progression

5.2.1 What is the student strength of the university for the current academic year? Analyse the Programme-wise data and provide the trends for the last four years.

Student strength of the University for the Current Academic Year is as given below:
Students enrolled in the university departments during the current academic year, with the following details:

Students	UG		PG		Integrated Maters		M.Phil.		Ph.D.		PG Diploma	
	M	F	M	F	M	F	M	F	M	F	M	F
From the State where the university is located	-	365	15	71	-	-	-	-	4	9	-	-
From Other	-	531	30	70	-	-	-	-	5	8	-	-

State of India												
NRI Students	-	-		-	-	-	-	-	-	-	-	-
Total	-	896	45	141	-	-	-	-	9	17	-	-

5.2.3 What is the programme-wise completion rate during the time span stipulated by the university?

Pl. refer to the Department Evaluation Report

5.2.4 What is the number and percentage of students who appeared/ qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, GATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.?

The UG and PG students of EU appear for the competitive exams and the details of candidate qualified in the competitive exams are given in the respective Evaluation Report of Departments.

5.2.5 Provide category-wise details regarding the number of Ph.D./ D.Litt./D.Sc. theses submitted/ accepted/ resubmitted/ rejected in the last four years.

Three Ph.D have been awarded and 25 scholars are registered for Ph.D Student Participation and Activities

5.3 Students participation and activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.

SPORTS AND GAMES:
The total land area available to conduct sports and games events spread out for about 06 acres. Individual courts and grounds are available for the conduct of the events. The sports and games events are conducted by the Asstt.Director , Physical Education with the participation of the students of the institution. The various sports and games events that have been arranged and organized as indoor or outdoor events in the University is given below.

Academic Year	Tournaments	Type	No. Of Participants	
2015-16	Volley Ball,Basket Ball, Table Tennis, Kho-Kho,	Inter College	90%	

	Badminton, Hockey			
2014-15	Volley Ball,Basket Ball, Table Tennis, Kho-Kho, Badminton, Hockey, Cross-Country Race	Inter College	84%	
2013-14	Volley Ball,Basket Ball, Table Tennis, Kho-Kho, Badminton, Hockey, Cross-Country Race	Inter College	90%	
2012-2013	Volley Ball,Basket Ball, Table Tennis, Kho-Kho, Badminton, Hockey, Cross-Country Race	Inter College	88%	
2010-2011	Athletics	Inter College	100%	

CULTURAL PROGRAMMES:

Annual cultural programmes are conducted by the departments of the University and the programme-wise details are given below:

Mono Act
Drama
Singing
Short Films
Essay Writing
Poetry Writing
Drawing
Debate
Folk song
Elocution
Gataka

EXTRA-CURRICULAR ACTIVITIES:

Students are encouraged and permitted to participate in extra-curricular activities conducted by the university as well as other institutions. The various programmes and

the participation details are given below:

Aptitude and reasoning skills competition
Chess competition
Quiz and IQ competition
Paper Presentation
Poster Presentation
Software Program Writing

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.

Students have won in various competitions held in different levels in various programmes.
Following are the extracurricular activities for the students in the university campus for the benefit of the society. Events are being conducted for the below mentioned schemes/clubs with the participation of students, staff and other beneficiaries from the public to help the society in all levels of need.

5.3.3 Does the university conduct special drives / campaigns for students to promote heritage consciousness?

Yes.
Students are often informed of the culture and tradition followed by our ancestors for the good of any individual, society and for the country. This is encouraged through activities like republic day, Shaheed divas, Constitution day etc. celebrations.

5.3.4 How does the university involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four academic sessions.

Students are involved in the various panels formed for the conduct of various events such as associations, seminars, conferences etc. Publications in newsletter, magazines, calendars etc. are done by the students.

5.3.5 Does the university have a Student Council or any other similar body? Give details on its constitution, activities and funding.

No.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.

The following academic and administrative bodies/ societies have student representatives. The representatives of various classes are engaged in academic and administrative activates concerned as and when required. The

HODs along with the faculty select the students based on their merit and interest as

- Placement Representative,
- Cultural Committee
- Discipline Committee
- Sports Committee
- Grievance Cell
- Library Committee
- Campus Development Committee
- Anti-Ragging Committee
- Women Cell
- Students Council
- Horticulture Committee
- Magazine

CRITERION VI
GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and the mission of the university.

VISION

The vision and mission of the Education is to promote innovation, scientific technological and critical thinking of higher order, along with the preservation of traditions and wisdom and creation of new knowledge, understanding fundamentals of humanity. University has a responsibility to explore new terrain and seek new insights yet retain unique divinity ethics, spirituality and cultural flavour of our mother land India, in a democratic and secular environment on one hand and forward looking in global transformation on the other hand.

MISSION: ***WORLD BROTHERHOOD AND PEACE THROUGH VALUE BASED EDUCATION***

To develop the Institution as a centre of excellence, keeping pace with advances in the field, so as to provide quality higher education to the students and instill in them high standards of discipline and ethics so that they become enlightened individuals in the service of humanity and to carryout focused research in the frontier areas of science and Technology.

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?

Yes.

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OBJECTIVES

- Provide Excellent Academic, Physical, Administrative, infrastructural and Moral ambience.
- Promote Quality and Excellence in Teaching, Learning and Research.
- Explore new ways and seek new insight yet retain unique diversified religious and cultural flavour of our mother land India, in a democratic and secular environment.
- Contribute towards building a socially sensitive, humane, inclusive society.
- Cultivate critical thinking that can spark creativity and innovation along with retention of old traditions and wisdom.

6.1.3 How is the leadership involved in ensuring the organization's management system development, implementation and continuous improvement?

- The University's Academic Council (AC) and Board of Management (BOM) own the responsibility with regard to the academic, financial, physical resources and the other administrative functions of the University.
- Deployment of the various policy directions is rightly done through the BOM, Finance Committee, Academic Council, Planning Committee and Board of Research, which are approved by Governing Body of the Eternal University.
- Boards of Studies and Academic Council are responsible for the maintenance of standards of education and teaching, restructuring and updating existing courses and introducing new courses in the emerging areas of knowledge.

In interacting with its stakeholders?

Interaction with alumni is facilitated through alumni meets. Interaction with industry executives helps map their expectations.

Students, being the main stakeholders are able to interact directly with the faculty and the respective Deans/Heads of Departments. All faculty members have direct access to the Heads of Departments, Registrar, Deans and the Vice Chancellor.

In reinforcing a culture of excellence?

- Students are encouraged to attend national and international conferences and seminars.
- Organizing technical symposiums and seminars in the departments helps improve leadership quality of the students.

In identifying organizational needs and striving to fulfill them?

- The emerging global needs are identified and being met with through various schemes and programs like exchange of students and encouraging the students to do Research Projects.
- Faculty members are encouraged to submit project proposals to various Funding agencies.

6.1.4 Were any of the top leadership positions of the university vacant for more than a year? If so, state the reasons.

None of the top leadership positions were vacant for more than a year in this university.

6.1.5 Does the university ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

Yes. All positions in the statutory bodies of the university like Board of Management, Academic Council, Finance Committee, Planning Board, Boards of Studies, Board of Research, Development and Consultancy (BRDC) and

Governing Body are filled immediately and statuary bodies meet regularly.

Lists are available along with the Profile of the Institution

6.1.6 Does the university promote a culture of participative management? If yes, indicate the levels of participative management.

University promotes a culture of participative management by involving faculty members in various academic, research and administrative bodies. Department level activities are coordinated by the Head of the Department after due deliberations and discussion in the department meetings in which faculty and students actively participate. Other academic related matters are discussed in Class Committee, Course Committee and Program Committee meetings. Curriculum and syllabus related matters are discussed and decided through Boards of Studies (BOS) and are approved by the Academic Council. All academic related policies are decided in the Academic Council.

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges and the support and encouragement given to them to become autonomous.

Not Applicable as university is non-affiliating university as per the Act No. of 3 of 2009 of H.P. Government.

6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

Not Applicable

6.1.9 How does the university groom leadership at various levels? Give details.

Leadership at various levels by class committee chairman, class advisor for each class, various committee members, placement coordinators, leaders of various professional bodies etc.
Student leadership gets groomed through class representatives, secretaries and student's representatives and members in various student clubs.

6.1.10 Has the university evolved a knowledge management strategy? If yes, give details.

National Knowledge Network connectivity which provides a platform for knowledge sharing and management. Experts from Academics and Industries, eminent persons of National importance are regularly invited to interact with the students.
The National Programme on Technology Enabled Learning (NPTEL) course materials, other e-contents prepared by the faculty and research dissertations are collectively maintained in the university server and are made available through LAN connectivity.

6.1.11 How are the following values reflected in the functioning of the university?

Contributing to national development:

- The University is committed to contribute to societal progress through the pursuit of knowledge, its dissemination, and application of knowledge in all the endeavors it makes.
- Five Gram panchayats are adopted by the Akal College of Agriculture for all round development and some villages are adopted by Akal College of Health & Allied Sciences.
- Faculties are involved in several projects funded by various national sponsoring agencies such as DST, UGC, AICTE, DRDO, towards national development goal.

Fostering global competencies among students:

- Students are encouraged to participate and present papers in seminars and national and international seminars and conferences.
- Additional training is provided to the students to improve their aptitude and reasoning ability by Training and Placement Cell.
- Collaboration with institutions and industries provides industrial work exposure during study.
- E-learning resources and NPTEL course contents are made available for acquisition of knowledge and competencies to face global challenges.
- Special coaching is planned in near future to be given to students to encourage and support them in appearing for Civil Service Examinations and other competitive examinations like TOEFL, GRE, GMAT, IELTS etc.

Inculcating a sound value system among students:

Introduction of a core course on 'Professional Ethics and Human Value and Environmental Studies" in all UG programs to inculcate the moral values. However, University has generated a value and culture based environment in the campus through periodical activities and programmes

Promoting use of Technology:

We have our own University Portal for PDFs, DOCs., Video Library, and Chatting, Flip Class Rooms.

Quest for excellence:

Collaborative MoUs with national and international institutions help purse teaching and research to accomplish the goal of excellence.

Motivating students through various awards like Gold Medals for university first ranks holders and other meritorious cash awards is an act of recognition in performance.

6.2 Strategy Development and Deployment

6.2.1 Does the university have a perspective plan for development? If yes, what

aspects are considered in the development of policies and strategies?

Yes, the perspective plan is to equip students with essential skills for their future careers and to encourage and motivate talented students to proceed with further studies and research.

Teaching and learning

Student-centric choice-based credit system with continuous internal assessment creates a conducive teaching and learning ambience.

Research and development

Local based societal requirements are the crucial indicators and distinctive features of promoting research and development. This strengthens R&D activities and paves way for inviting invite experts from State and National level institutions to co-teach and enhance students' practical ability in their specialized fields. The tie-up not only increases the quantity but also enhances the quality of collaboration with the real world.

Ph.D. program is strengthened by incorporating systematic evaluation and filtering processes for admission such as entrance test and interview. Progress of the doctoral student is regularly evaluated by the Doctoral Committee.

Community engagement

The university organizes vocational training programs & **Kisan Mela** for rural public based on their societal needs. Health campaigns and awareness programs are conducted to bring awareness and health consciousness among the rural community.

Human resource planning and development

Human Resource department takes care of the Human Resource requirement planning policies, and periodic training programs are conducted to remold the faculty and students.

Industry interaction

Interaction with industry is made through seminars, workshops, internships, and research and consultancy projects.

Guest faculty is also invited from industry to help in teaching.

Internationalization

The university has signed MoUs with International Universities for student exchange and teaching-learning and research.

6.2.2 Describe the university's internal organizational structure and decision making processes and their effectiveness.

The Vice-Chancellor is the Head of the institution. He is assisted by the Registrar, Controller of Examinations, Directors and Deans of faculties in all academic and administrative matters. The Board of Management and the Governing Body are the supreme bodies. The Vice Chancellor and Chancellor are the chairman of these two bodies. The members of these bodies express their views and suggestions for the smooth functioning of the university in the

periodic meetings. The Boards of Studies and the other bodies where all important academic decisions that fall under their purview are made. After a thorough review, they get the approval for their Curriculum and syllabi in the Academic Council.

6.2.3 Does the university have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

Yes.
The newly recruited faculty members are given in-service training. At the department level, the lesson plans are evaluated by HOD concerned and then by the Dean of Studies. Student evaluation of teachers is done periodically both formally and informally and the feedback is used to improve the quality of teaching. The Research colloquium provides a platform for research scholars to present and discuss their research work with co-researchers and a faculty member who helps avoid redundancy in research work/proposals, and provides direction for ensuring quality. The research proposals prepared are scrutinized by experts and their suggestions are incorporated. New measures for academic and administrative improvements are discussed in the Board of Management and the Academic Council meetings.

6.2.4 Does the university encourage its academic departments to function independently and autonomously and how does it ensure accountability?

Yes, Complete academic freedom is given to departments for designing curricula and to formulate new and innovative programmes of study, to include appropriate experts in the Boards of Studies and Examinations, evolve and follow innovative teaching and evaluation methodologies, to undertake research projects and consultancies, and to conduct conferences and workshops. The self-appraisal of the individual faculty and the assessment report by the respective heads ensure accountability in academics.

6.2.5 During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?

No

6.2.6 How does the university ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

- Yes, students' grievances are addressed by the Grievance Cell headed by a Director. Complaint and suggestion boxes are kept at various places for collecting students' grievances.
- The grievances of faculty and non-teaching staff are addressed at department level by the Heads and, if needed, it will be addressed by the Vice- Chancellor.

6.2.7 Does the university have a mechanism for analyzing student feedback on

institutional performance? If yes, what was the institutional response?

Yes.
Students provide feedback using a questionnaire prepared for the purpose. The opinions of the students about curriculum are also collected.
Feedbacks are analyzed and the analysis is shared with the faculty for information and improvements if needed. The teachers with poor feedback are warned and advised to improve their teaching performance.

6.2.8 Does the university conduct performance audit of the various departments?

Yes. The self-appraisal form as prescribed by the UGC and designed by the university is given to every teacher in the department and the same is submitted to Director Academic Affairs. This helps evaluate faculty improvement in teaching and research work. The self-appraisal forms are submitted by the individual faculty and the appraisal report given by the Heads of the Departments is reviewed by a committee of Deans and finally accepted by the Vice Chancellor.

6.2.9 What mechanisms have been evolved by the university to identify the developmental needs of its affiliated institutions?

Not applicable

6.2.10 Does the university have a vibrant College Development Council (CDC) / Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.

Not applicable, there is no affiliation institution.

6.3 Faculty Empowerment Strategies

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff?

To improve the professional development of faculty, University encourages them to attend and conduct orientation programmes, refresher courses, seminars, conferences, and symposia. Faculties are encouraged to organize and participate in seminars /conference and workshops, faculty Development Programs for teaching staff and organized through HRM. Those who do not have Ph.D. are encouraged to register for Ph.D. and pursue their research.
Faculty members are motivated to submit research projects to various funding agencies. Spacious Central Library with numerous books, journals, magazines and websites help faculty to access all technical contents. Incentives are provided to staff for publication of research papers in refereed journals. They are given freedom to utilize project funds for attending conferences. The faculty members with externally funded projects are given honorarium out of the university funds.

Non-Teaching:
Computer awareness programs are conducted to train the supporting staff of the university.

6.3.2 What is the outcome of the review of various appraisal methods used by the university? List the important decisions.

The Self-Appraisal Reports submitted by the faculty are analyzed for deciding Career Advancements. Assessment by the Head of Department is also obtained periodically. Subject allotments to the faculty are done based on the review of the appraisal.
Further, these reviews of the faculty performance help the officials to take decisions related to deputing faculty members to various faculty enrichment programmes.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

Healthcare Centre, Sports activities, loans for various purposes by Eternal Staff Welfare Association. 50% tuition fee is given to the faculty/staff members as children education allowance whose children are studying in Akal Academy, Baru Sahib.

6.3.4 What are the measures taken by the University for attracting and retaining eminent faculty?

The university has created a conducive academic and research ambience for attracting and retaining eminent faculty by providing academic freedom, necessary infrastructure, recognition, and awards.
Principal Investigators of research projects enjoy academic and financial autonomy and are given honorarium for undertaking externally funded projects.

6.3.5 Has the university conducted a gender audit during the last four years? If yes, mention a few salient findings.

As of now there is no formal mechanism for Gender Audit. Gender data both for students and teachers are collected from the admission records and appointment register. The gender based requirement needs are analyzed and provided based on the collected gender data.

6.3.6 Does the university conduct any gender sensitization programmes for its faculty?

A Women's Cell is functioning in the University for the Welfare of the women staff and students. Every year Women Empowerment and Women Equity Programmes are held in the University.

6.3.7 What is the impact of the University's Academic Staff College Programmes in enhancing the competencies of the university faculty?

In place of Academic Staff College university has set up Faculty Development and Empowerment Cell to enhance academic competence of faculty and up-dating academic programmes.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

The University has a Finance Committee and a Planning Board Committee. Resources are monitored by these two bodies and the same is also monitored by the Board of Management for effective and efficient use.

6.4.2 Does the university have a mechanism for internal and external audit? Give details.

Yes. All finance activities are regularly audited by a Firm of Chartered Accountants and the Audited Statements of Accounts have regularly been filed to the Income Tax Department and Himachal Pradesh Private Education Institutions Regulatory Commission, Department of Higher Education, Govt. of Himachal Pradesh within the stipulated time prescribed by the authorities. The authorities may scrutinize the accounts. Internally the Finance Committee reviews the audited Receipts and Payments Account and Income and Expenditure Account and Balance sheet along with the Auditor's Report.

6.4.3 Have the accounts been audited regularly? What were the audit objections, if any, and how were they complied with?

The accounts are audited regularly by a Firm of Chartered Accountants at the end of the financial year. The queries noted were complied with then and there. Hence, there has been and is no report of objections.

6.4.4 Provide the audited income and expenditure statement of academic and administrative activities of the last four years.

Copy of the Audited Income & Expenditure Statement attached.

6.4.5 Narrate the efforts taken by the University for Resource Mobilization.

1. By creating Endowments from the public and Consultancy Services.
2. Getting Grant-in-aid from various Govt. Agencies like DST, DBT, DRDO, SERB, and HP SCST&E etc. for the various Research Projects.
3. Efforts are made to increase the admission in the university.

6.4.6 Is there any provision for the university to create a corpus fund? If yes,

give details.

No

6.5 Internal Quality Assurance System

6.5.1 Does the university conduct an academic audit of its departments? If yes, give details.

University has constituted Internal Quality Assurance Cell (IQAC). It conducts three meetings in a year to assess, suggest and advise to the faculty and departments. It is comprising of the following:

NOTIFICATION

In pursuance of clause 21 of Eternal University (Establishment and Regulations) Act No-3 of 2009 and Clause 24(i) of The First Statutes of Eternal University, the Hon'ble Chancellor of Eternal University is pleased to reconstitute Internal Quality Assurance Cell consisting of the following members:

Dr. H.S. Chauhan	**-**	**Chairperson**
Dr. Davinder Singh	**-**	**Member**
Dr. Neelam Kaur	**-**	**Member**
Dr. Ajit Singh	**-**	**Member**
Dr. B.S. Boparai	**-**	**Member**
Dr. J.L.Sharma	**-**	**Member**
Dr. P S Cheema	**-**	**Member**
Dr. BS Sohal	**-**	**Member**
Dr. Lekha Vishwanath	**-**	**Member**
Mrs. Ranjit Kaur	**-**	**Member**
Dr. Purvi Luniyal	**-**	**Member**
Mr. B.S. Lamba	**-**	**Member**
Dr. Noor Danish Ahrar Mundari	**-**	**Member**
Mr. DK Sharma	**-**	**Member**
Dean of Students Welfare	**-**	**Member**
Training & Placement Officer	**-**	**Member**
Mrs. Raino Bhatia	**-**	**Member**
Dr. Sushma Sharma	**-**	**Member**
Ms Nandita Thakur	**-**	**Member**

Dr. Harpreet Kaur	**-**	**Member**
Jasmeet Singh/Karan Singh/Head C-dac	**-**	**Member**
Head HR Department Medanta Gurgaon	**-**	**Member**
Dr. Kulbhushan Kumar	**-**	**Member Secretary**

Academic Audit Cell

The academic audit of each department is done by a four-member committee nominated by the Vice-Chancellor. Before the commencement of a semester, academic activities are planned at the staff meeting conducted by the Head of the Department and progress is continuously monitored by the Dean, Academic Affairs. The lecture plans prepared by the faculty members are reviewed by the HOD and endorsed by the Dean Academic Affairs. Periodic conduct of course committee, class committee and programme committee helps formulate policies to assess and strengthen the academic functioning of the departments. These meetings address issues such as lesson plan, staff subject log book, quality assurance in teaching and research, students' performance, and examination reforms. Further, the Academic Audit is conducted during the month of March each Academic Year.

6.5.2 Based on the recommendations of academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?

Student's registration cards have been introduced to verify the subject coverage details of the students.
To improve the research activities in the department, faculty members are motivated to submit projects to various funding agencies.

6.5.3 Is there a central body within the university to continuously review the teaching learning process? Give details of its structure, Methodologies of operations and outcome?

Yes, IQAC Member conducts Academic Audit. Committee is the central body that continuously monitors and reviews the Teaching Learning Process of the university.

6.5.4 How has the IQAC contributed to institutionalizing quality assurance strategies and processes?

In lieu of maintaining and improving the quality consciousness and quality culture at university, IQAC Cell has been constituted on 19.8.2015

6.5.5 How many decisions of the IQAC have been placed before the statutory Authorities of the University for Implementation?

Mentor system in the university is strengthened based on the recommendations

of the IQAC committee. Mentor acts as personal counselor, advisor and guide all rolled into one, to the student under care so that the student gradually sheds the negative and unhelpful attitudes and attributes and strengths the positive attitudes so that his/her total potential is maximally used in the right direction of his/her total personality development.

6.5.6 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

IQAC has external members who provide academic and professional guidance to the faculty from time to time.

6.5.7 Has the IQAC conducted any study on the Incremental academic growth of students from disadvantage sections of society?

So far such reviews have not been conducted due to very low number of students.

6.5.8 What policies are in place for the periodic review of administrative and academic department, subject areas, research centers, etc.?

Academic Audit Committee periodically reviews the academic activities of the Departments in the following areas:

- Teaching Learning Process
- Feedback System in Place
- Practical Training Practices
- Transparent and Continuous Evaluation Process
- Co-curricular Activities Organized by the Department
- Extra-Curricular and Extension Activities
- Placement Activities
- Department Research Activities
- Consultancy
- Publications

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the University conduct a Green Audit of its campus?

The University has master plan to accommodate enough lung space on the campus. This is supplemented by maintaining botanical garden, medicinal plants & herbal garden and horticulture plantation gardens. The developmental activities are carried out without affecting natural flora and fauna. Planting of trees on the campus is a regular feature in coordination with forest department and by student Volunteers' services. The Gram Panchayat in which the campus falls has been declared as the CLEANEST Panchayat of the Himachal Pradesh in 2016-17. Hon'ble , Baba Iqbal Singhji ,Chancellor of Eternal University has been given International Award for Life Time Contribution for cleanliness by NICER , New Delhi.

7.1.2 What are the initiatives taken by the University to make the campus eco-friendly?

- Energy conservation
- Use of renewable energy
- Partner in National Swach Bharat Abhiyan
- Plantation
- Hazardous waste management
- e-waste management
- any other (please specify)

Few important initiatives taken by the University to grow and develop the campus eco-friendly, are as follows:

- **Energy conservation**

  Energy Conservation is prime concern of the University by installing energy efficient equipment like cooling machines, CFL & LED lighting, old monitors has been replaced with LED monitors, etc.

- **Use of renewable energy**

  Solar Energy System are installed in all the building. Streets and roads are also equipped with solar lights.25% of the electricity needs of the campus are meet with the photo voltaic panel installed at the campus. A model CST has been installed for cooking of meals for 5000 residents at the campus

- **Water harvesting**

  Water Harvesting is in active consideration of the University plan it is likely to be developed in couple of months in the eastern side of the

campus. Natural water from Nullah of Lana Bhalta and river Giri has been lifted to meet the water requirement of the campus.

- **Check dam construction**

  The campus is not having so much of water flow and no river stream or canal is passing through the campus so check dam construction has not constructed .A number of obstructions have constructed on the way of Natural flow of water to check sol erosion through the campus.

- **Plantation**

  To make the campus green, plantation is the prime thrust of the University, for which maintenance of old plants and periodically new plants are planted in planned manner.

- **Hazardous waste management**

  The University campus has not substantial hazardous waste so normal waste management is sufficient. In case of laboratory waste special care is being taken for its disposal.

- **e-waste management**

  The quantum of e-waste is not substantial in the campus, so no special management is required for the purpose. Even then empty Toner Cartridges are being given to the vendors for recycling.

- **Any other (please specify)**

  Eternal University is keen to make the campus fully eco-friendly and environmental consciousness is at the climax. All departments have developing their personal small gardens, maintaining flower pots and several gardens are developed at central level. Fountains have been installed and it is planned to further develop fountain at strategic locations of the campus to beautify the campus and make it maximally eco-friendly.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the University.

Eternal University is effective and efficient in its functional domain. The University has upheld its academic schedules, including the examination schedule. Computerisation of all examination related works; strict adherence to academic calendar, conduct of examinations as per schedule with confidentiality, and timely declaration of results has given the University a name for academic excellence. All these have given regularity to the schedules of the University, and a name for efficient functioning. Greater emphasis has been on developing physical infrastructure and ambience.

7.3 Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the University.

- Best Practice – Basic Research, Skill Development and transfer of Technology.

  One of the major activities of the university is to take up basic research on the thrust areas and research gaps of the area of its jurisdiction, develop knowledge and technology, impart skill to its students and the youth around and transfer technology to the end users which make it different from its constituent and other colleges. The Eternal University has developed excellent infrastructure and encourage and involve its faculty of all the colleges to devote at least 40% of their time in relevant research through the in-house research projects, dissertations research and research projects funded externally. About seven externally funded projects are being undertaken and four pilot plants have been installed in the university. Five add on diploma courses are being offered for skill development. There is more emphasis on practical training. The faculty of AKAL college of agriculture and public health have adopted villages for feedback and transfer of technology. The university has planned to offer more Post Graduate Programme and Ph.D. to take up research, technology development and extension more vigorously.

- Best Practice – Management Information System (MIS)

  University has devised MIS for having data related to:

  - Enrollment, Academic Programme, Academic Performance and Achievements, progression and placements of the students.
  - Establishment records of all teaching and non-teaching.
  - Financial – Budgeting, income expenditure.
  - Record of equipment's and fixtures.
  - Cumulative record of students performance
  - MIS used in monitoring and assessment of various activities and easily documentation and dissemination.
  - It facilitates to upgrade and strengthen the functioning of the university & its departments.

2. Objectives:

- The excellence in academics of the University has to be reflected in teacher's quality, student's performance, curriculum development and its implementation, evaluation and research works. Excellence in academics has to be achieved through the collective performance of the major stakeholders', - students and teachers with the active support of the administration.

- The final goal is to realize the vision that is to see that the University evolves as a national centre of advanced studies cultivating quality human and spiritual resource in tune with the contemporary requirement

of the globalized job market. Attainment of this objective is essential for the best practice.

3. Context:

Academic excellence is the prime concern of the University in contemporary global scenario. In the modern time the academic field the corporate sectors have made their entries and established educational institutions with hi-fi infrastructure and all modern means of teaching, learning, support system ICT, enabled learning resources e-books, e-journals, automated libraries and over all e-governance. They are also hiring best available academicians, consultants, councillors and professionals for the purpose of delivery of excellent academic output. Such types of educational institutions are not accessible to the common people belonging to middle and low strata of the society. Hence, the delivery of such institutions is very limited.

Under the circumstances it is important to improve the government owned institutions and deliver academic excellence to the beneficiaries that usually belong to middle and low strata. This is the important context of commitment of state universities existing in the socioeconomically backward region towards academic excellence.

4. Practice:

In order to realise the stated objectives, the University adopted the following academic practices.

- University has the policy of developing curriculum according to UGC guidelines and revising the curriculum regularly. Informal feedback from students/alumni, teachers are being used while revising the curriculum.
- Introduction of choice based electives at PG and Ph.D. level
- University has added spiritual and humanistic components in its curriculum.
- Quality teaching and student centric learning process, involving seminars, tutorials, quiz, and group discussions aimed at training the students to become quality human resource for the future.
- University is encouraging the faculty to have greater involvement in research activities. They are encouraged to submit project proposals to different funding agencies. Further, attending workshops, conferences, organising national/international conferences are also supported by the University.
- Laptops and internet connectivity are provided to faculty members to facilitate easy access to e- resources.

- To nourish the talents, encourage extra - curricular activities and to develop organizing skills, the University supports the students to organise subject related competitive festivals, sports and cultural activities. Prize winners at zonal and national level cultural competitions and sports are felicitated.

- All good performances of teachers, students and stakeholders are properly recognized to maintain and enhance their motivational level towards academic excellence.

- Transparency in evaluation systems, publications of results and adherence to academic calendar is the backbone of the success towards academic excellence.

- Healthy competitive environment is created in the departments to sharpen the academic potential of the students which ultimately results into the actual sustainable performance and academic excellence.

- Excellence is an intangible state of affair and the measuring index is the achievements in all walks of life. In actual practice rewarding achiever is having radiating positive impact over the students lagging behind.

- Culmination of moral, ethical, social and spiritual values among the students through value based education is yielding good results towards academic excellence.

- The parameter of attainment of the goal of academic excellence of the University is the attraction of industries, business organization, corporate houses towards campus for the recruitment No of skilled, laborious and intellectually fulfilled work force for their purpose.

5. Evidence of success:

The success of the above practices is evidenced by the following:

- The Overall enrolment of University Campus has increased tremendously in the last few years.

- Teachers' participation in faculty development programmes have substantially increased in the Recent past which has created enormous impact on the quality of teaching learning process.

- The student's performances in curricular, co-curricular and extra-curricular activities are also gaining momentum and created a healthy and student friendly environment in the campus.

- As an outcome of increased research activities, total number of publications has increased.

- Transparency in governance has given rise to the inculcation of moral, ethical and honest values among the students, teachers, employees and all concerned stakeholders which ultimately have resulted into a peaceful, harmonious and conflict free environment of the University campus.

6. Problems encountered and resources required:

Following are the problems encountered and resources required for the success of commitment towards academic excellence:

- The main problem encountered by the University in the implementation of programmes related to academic excellence is retaining the good teachers and professionals in different departments of academia due to remoteness and separations from their families.

Optional:

Please add any other information that may be relevant for adopting/implementing the Best Practice in other institutions (in about 150 words).

(Any other information regarding Innovations and Best Practices which the University would like to include.)

During the near past Eternal University has succeeded in developing disciplined and time bound academic activities. Adherence to planned schedule of academic, Co-curricular and extra-curricular activities is natural for the entire University, and students have taken to it willingly. This has enhanced the quality of learning environment for students and teachers alike. The University takes pride in developing a culture with inbuilt systems and processes facilitating smooth conduct of teaching and research activities.

It is also fulfilling experience for the University in the field of identifying, nurturing and developing co-curricular and extra-curricular talents of students. This is evidenced by the enthusiastic participation of our students in NCC, sports and various cultural activities and winning accolades at local and national level. The University has been granted permission to offer NCC (60 eats) for girls for the next academic session.

EVALUATIVE REPORT OF THE DEPARTMENT OF BIOTECHNOLOGY

1. **Name of the Department**
   Department of Biotechnology

2. **Year of establishment**
   2011

3. **Is the Department part of a School/Faculty of the university?:**
   Yes, Akal College of Agriculture

4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)**
   M.Sc. Biotechnology
   Ph.D. Biotechnology

5. **Interdisciplinary programmes and departments involved:**
   Faculty members of Department taught various courses in other department also such as
   a) Department of Food Technology (B.Tech. Food Tech, M.Sc. Food Tech),
   b) Department of Agriculture (B.Sc. Agriculture)
   c) Department of Chemistry (M.Sc. Chemistry)
   d) Department of Botany (M.Sc. Botany)
   e) Department of Zoology (M.Sc. Zoology)
   f) Research methodology to all PG & Ph.D. students of University.
   g) Department of Botany (B.Sc. Medical)

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
   Nil

7. **Details of programmes discontinued, if any, with reasons:**
   Nil

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
   a. Semester System

9. **Participation of the department in the courses offered by other departments:**
   a) Department of Food Technology (B.Tech. Food Tech, M.Sc. Food Tech),
   b) Department of Agriculture (B.Sc. Agriculture)
   c) Department of Chemistry (M.Sc. Chemistry)
   d) Department of Botany (M.Sc. Botany)
   e) Department of Zoology (M.Sc. Zoology)
   f) Research methodology to all PG & Ph.D. students of University.
   g) Department of Botany (B.Sc. Medical)

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Designation	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	-
Associate Professors	02	01	-
Asst. Professors	04	04	-
Others		NA	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil.students guided for the last 4 years
Dr. H.S. Dhaliwal	Ph.D.	Professor & Vice Chancellor	Plant Breeding and Genetics	40 Y	02
Dr. Rahul Kumar	Ph.D.	Associate Professor	Plant Breeding and Genetics	10 Y	Nil
Dr. Vinod Kumar Sangwan	Ph.D.	Assistant Professor	Plant Biochemistry	04 Y 5 M	Nil
Dr. Pritesh Vyas	Ph.D.	Assistant Professor	Plant Biotechnology	06 Y 6M	Nil
Dr. Ajar Nath Yadav	Ph.D.	Assistant Professor	Microbial Biotechnology	01Y 5 M	Nil
Dr. Sunil Kumar	Ph.D.	Assistant Professor	Algal Biotechnology	01Y	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

a) Dr. Kulwinder Singh Saini (Adjunct Professor) King Abdullah University, Saudi Arabia
b) Dr. Surjeet Singh Gill (Adjunct Professor) Uni. of California, Riverside, U.S.A.
c) Dr. Vedpal Malik (Adjunct Professor) USDA, Riverdale USA
d) Dr. Darshan Singh Brar (Adjunct Professor) IRRI, Philippines
e) Dr. Daljit Singh Virk (Adjunct Professor) Bangor Uni. England
f) Dr. S. S. Marwaha (Adjunct Professor) PBTI, Mohali
g) Dr. Bikram Singh Gill (Adjunct Professor) University of Kansas, USA
h) Dr. Lal Singh Brar (Adjunct Professor)Ph.D. Agronomy (PAU Ludhiana**)**

13. **Percentage of classes taken by temporary faculty – programme-wise information**
    - **10-20%**

14. **Programme-wise Student Teacher Ratio**
    - **3:1**

15. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

Designation	Sanctioned	Filled
Technical Staff	01	01
Administrative Staff	0	0
Others	0	0

16. **Research thrust areas as recognized by major funding agencies**
    - Crop improvement for high grain micronutrient.
    - Improvement of Bread making quality of wheat.
    - Bioavailability of grain micronutrient.

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Name of Principal Investigator	**Name of Co-Principal Investigator**	**Project title**	**Grants received**	**Funding agency**	**Duration**	**Status**
Dr. Rahul Kumar	Dr. Pritesh Vyas	Improvement of end use quality of 1BL/1RS translocation containing wheat varieties by removing Sec-1 loci and retaining Glu-B3 using marker assisted back cross breeding (MABB)	Rs. 55 lakhs	Department of Biotechnology , Govt. of India	2015-2020	Ongoing project, for more information , Please see **ANNEXURE A**

Dr. Rahul Kumar	Dr. H.S. Dhaliwal	Biofortification of wheat for high grain micronutrients through conventional and molecular breeding approaches Phase-II	Rs. 109.34 lakhs	Department of Biotechnology, Govt. of India	2012-2017	Completed, for more information, Please see **ANNEXURE B**
Dr. Vinod Kumar Sangwan	Dr. Nasib Singh (Proposed)	Screening iron, zinc and carotenoid bioavailability from biofortified staple crops using coupled in vitro digestion/Caco-2 cell model	Rs.36.45 lakhs	Department of Biotechnology, Govt. of India	2015-2018	Ongoing project, for more information, Please see **ANNEXURE C**
Dr. Ramesh Arora, Dept of Zoology	Dr. Vinod Kumar Sangwan, Dr. Sunil Kumar	Establishment of IPR Cell	Rs. 40000/-	DST, SCSTE, Himachal Pradesh	2016 Nov. onward	Ongoing project, Please see **ANNEXURE D**

18. Inter-institutional collaborative projects and associated grants received

a) **National collaboration**

Name of Principal Investigator	**Name of Co-Principal Investigator**	**Project title**	**Collaborators**	**Funding agency**	**Duration**	**Status**
Dr. Rahul Kumar	Dr. Pritesh Vyas	Improvement of end use quality of 1BL/1RS translocation containing wheat varieties by removing Sec-1 loci and retaining Glu-B3 using marker assisted back cross breeding (MABB)	Agharkar Research Institute Pune,; Punjab Agricultural University Ludhiana	Department of Biotechnology, Govt. of India	2015-2020	Ongoing project, for more information, Please see **ANNEXURE A**

Dr. Rahul Kumar	Dr. H.S. Dhaliwal	Biofortification of wheat for high grain micronutrients through conventional and molecular breeding approaches Phase-II	G. B. Pant University of Agri. And Tech. Pantnagar; Punjab Agricultural University Ludhiana; Indian Agricultural Research Institute, New Delhi	Department of Biotechnology, Govt. of India	2012-2017	Completed, for more information, Please see **ANNEXURE B**
Dr. Vinod Kumar Sangwan	Dr. Nasib Singh (Proposed)	Screening iron, zinc and carotenoid bioavailability from biofortified staple crops using coupled in vitro digestion/Caco-2 cell model	Indian Institute of Technology, Roorkee; National Institute of Nutrition, Hyderabad	Department of Biotechnology, Govt. of India	2015-2018	Ongoing project, for more information, Please see **ANNEXURE C**

b) **International collaboration:**

Name of Principal Investigator	**Name of Co-Principal Investigator**	**Project title**	**International Collaborator**	**Funding agency and current status**
Dr. Rahul Kumar	Dr. H.S. Dhaliwal	Harnessing Wheat Biodiversity to Facilitate the Development of Next Generation Climate-Ready Cultivars in India	**CIMMYT-Borlaug Institute of South Asia** | Dr. Sukhwinder Singh / Dr. Prashant Vikram / Dr. S. S. Atwal	The concept note submitted to Department of Biotechnology, Govt. of India was considered and approved in its 2nd Agricultural Biotechnology Apex Committee meeting in 2016 and now the detailed project will be considered for final approval during the Apex committee meeting scheduled on May 22-23, 2017, for more information, Please see **ANNEXURE E**

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Project title	**Grants received**	**Funding agency**	**Duration**	**Status**
Improvement of end use quality of 1BL/1RS translocation containing wheat varieties by removing Sec-1 loci and retaining Glu-B3 using marker assisted back cross breeding (MABB)	Rs. 55 lakhs	Department of Biotechnology, Govt. of India	2015-2020	Ongoing project, for more information, Please see **ANNEXURE A**
Biofortification of wheat for high grain micronutrients through conventional and molecular breeding approaches Phase-II	Rs. 109.34 lakhs	Department of Biotechnology, Govt. of India	2012-2017	Completed, for more information, Please see **ANNEXURE B**
Screening iron, zinc and carotenoid bioavailability from biofortified staple crops using coupled in vitro digestion/Caco-2 cell model	Rs.36.45 lakhs	Department of Biotechnology, Govt. of India	2015-2018	Ongoing project, for more information, Please see **ANNEXURE C**
Establishment of IPR Cell	Rs. 40000/-	DST, SCSTE, Himachal Pradesh	2016 Nov. onward	Ongoing project, Please see **ANNEXURE D**

20. Research facility / centre with

- State recognition

1. Departmental research facility has been recognized by HPPERC, Shimla, (Govt. of Himachal Pradesh) and based on this number of PhD sheets are allocated each year for new admissions
2. With a recognized research centre by Himachal Pradesh State council for Science, Technology and Environment (HPSCSTE), Shimla has considered various research proposals for reviewed and external funding
3. Dr. Vinod Kumar Sangwan, has been appointed as a resource person by Himachal Pradesh State council for Science, Technology and Environment (HPSCSTE), Shimla during State level children science congress of Himachal Pradesh during Nov. 2016

- **National recognition**

1. The laboratory with equipments for estimation of micronutrients from various samples were funded by Department of Biotechnology, Govt. of India
2. Department laboratories are recognized by DSIR, Govt. of India and certain instruments in department have been exempted for custom duty during purchase under this recognition
3. Departmental projects have been considered for review by various central govt. funding agencies such as DBT, ICAR, DST for external funding.
4. Dr. Vinod Kumar Sangwan, has been sponsored by Indian Council for Agriculture Research (ICAR) for attending a 21 days training program at G.B. Pant University of Agriculture and Technology, Pantnagar during Nov-Dec. 2016.

- **International recognition**

1. **Ms. Prachi Sharma** Ph.D. Student Won 2nd best poster award at 9th Canadian Plant Biotechnology Conference, at McGill University Montreal Canada.
2. **Dr. Dharmendra Singh**, Assistant Professor at Department of Biotechnology has been selected as Post-doctoral fellow at Queensland University Australia for three years in 2014.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Department has three sponsored projects from DBT, Govt. of India and various instruments such as AAS, Thermocycler, Centrifuge, Microscope, Gel Elecrophoresis system, Fermenter, Dough Mixer, Baking Oven, Flour Mill, Biosafety cabinet etc. has been purchased

22. Publications:

- Number of papers published in peer reviewed journals (national / international)
- Monographs
- Chapters in Books ∗ Edited Books
- Books with ISBN with details of publishers
- Number listed in International Database (For *e.g.* Web of Science, Scopus,
- Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- h-index

Name of Faculty	International Publication	National Publication	Abstract/poster presentation	Review /Extention article	Book Chapter	Book / Manual	Citation	H-index	i10 index
Dr. H. S. Dhaliwal	201		105	20	10	2	4835	33	105
Dr. Rahul Kumar	08	12	09	2	2	-	69	3	3
Dr. Vinod Kumar Sangwan	17	08	19	09	06	01	143	6	4
Dr. Pritesh Vyas	03	01	07	01	03	01	10	3	0
Dr. A.N. Yadav	26	07	70	03	06	-	229	10	10
Dr. Sunil Kumar	01	01	05	-	-	-	0	0	0

Dr. H. S. Dhaliwal

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17. **Yadav AN,** Verma P, Kumar M, Pal KK, Dey R, Gupta A, Padaria JC, Gujar GT, Kumar S, Suman A, Prasanna R, Suman A, Saxena AK **(2015)**. Diversity and phylogenetic profiling of niche-specific Bacilli from extreme environments of India. *Annals of Microbiology*. 65(2): 611-629 [ISSN: 1590-4261; Springer] (IF-1.232; Citation-18)
18. Suman A, Verma P, **Yadav AN**, Saxena AK **(2015)**. Bioprospecting for extracellular hydrolytic enzymes from culturable thermotolerant bacteria isolated from Manikaran thermal springs. *Research Journal of Biotechnology.* 10(4):33-42. [ISSN: 0973-6263] (IF-0.279; Citation-04)
19. Verma P, **Yadav AN**, Kazy SK, Saxena AK, Suman A **(2014)**. Evaluating the diversity and phylogeny of plant growth promoting bacteria associated with wheat (*Triticum aestivum*) growing in central zone of India. *International Journal of Current Microbiology and Applied Sciences*. 3(5):432-447 [ISSN:2319-7692; Excellent publisher] (IF-2.937; Citation-18)
20. Kumar M, **Yadav AN,** Tiwari R, Prasanna R, Sxaena AK **(2014)**. Evaluating the diversity of culturable thermotolerant bacteria from four hot springs of India. *Journal of Biodiversity, Bioprospecting and Development.* doi: 10.4172/ijbbd.1000127 [ISSN: 2376-0214; OMICS Group International] (Citation-07)
21. Kumar M, **Yadav AN,** Tiwari R, Prasanna R, Sxaena AK **(2014)**. Deciphering the diversity of culturable thermotolerant bacteria from Manikaran hot springs. *Annals of Microbiology*. 64(2): 741-751 [ISSN: 1590-4261;Springer] (IF-1.232; Citation-25)
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27. **Yadav AN**, Verma P, Kumar V, Prasad R, Dhaliwal HS **(2017).** Microbiome in Crops: Diversity, Distribution and Potential Role in Crops Improvements. *In*: Crop Improvement through Microbial Biotechnology. (eds Prasad R, Gill SS, Tuteja N), Elsevier, USA,
28. **Yadav AN**, Verma P, Kumar V, Sangwan P, Mishra S, Panjiar N, Gupta VK, Saxena AK, **(2017).** Biodiversity of the Genus *Penicillium* in Different Habitats. *In*: New and Future Developments in Microbial Biotechnology and Bioengineering. (eds Gupta et al.), Elsevier, Netherlands.
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30. Suman A, **Yadav AN**, Verma P **(2016)**. Endophytic Microbes in Crops: Diversity and Beneficial impact for Sustainable Agriculture. In: *Microbial Inoculants in Sustainable Agricultural Productivity, Vol.1, Research Perspectives*. (eds Singh DP, Abhilash PC, Prabha R), Springer-Verlag, India, pp-117-143, doi:10.1007/978-81-322-2647-5_7**.** [ISBN: 978-81-322-2647-5; Springer;] (Citation: 07).
31. **Yadav AN**, Rana KL, Kumar V, Dhaliwal HS **(2016)**. Phosphorus Solubilizing Endophytic Microbes: Potential Application for Sustainable Agriculture. *In*: EU Voice Magazine, vol-2, Eternal University, Baru Sahib, pp.5-6.
32. Negi P, **Yadav AN**, Kumar K **(2016).** Thanks to Microbial fuel cells!**.** *In*: EU Voice Magazine, vol-2, Eternal University, Baru Sahib, pp.19-21

Dr. Sunil Kumar

1. **Kumar S**, Pareek A, Mukhopadhyay K (2015). Screening and growth kinetic studies of wild chlorophycean fresh water microalgal species for biomass and biofuel applications. *International journal of pharmacy and pharmaceutical sciences*. 7(1): 312-321.
2. R Rahul, **Kumar S**, Jha U, Sen G (2014). Cationic inulin: A plant based natural biopolymer for algal biomass harvesting. *International Journal of Biological Macromolecules*. 72: 868-874.

23. Details of patents and income generated:
Yes, One

- Saxena A.K., Padaria J.C., Gurjar G.T., **Yadav A.N.**, Lone S.A., MVS Rajawat, Tripathi M. (2014). Insecticidal formulation of novel strain of *Bacillus thuringiensis* AK 47**.**

24. Areas of consultancy and income generated:
a. A MoU has been signed with a progressive farmer for multiplication and marketing of improved wheat cultivar by Dr. H.S. Dhaliwal and a certain amount of royalty will be returned to university out of the generated income.
b. Dr. H.S. Dhaliwal also provide consultancy services related to wheat and other cereal crops.

25. Faculty selected nationally / internationally to visit other laboratories / institutions

a. Industries in India and abroad

26. Faculty serving in

- National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of Faculty Member	Editorial Board	National Committee	International Committee
Dr. HS Dhaliwal	He is member of Editorial Board of Leading National/International Journals and has been acted as session chair/co-chair in different scientific events such as conferences, symposia and meetings	1. Expert Committee for Sponsored/Competitive Grants Components of National Initiative on Climate Resilient Agriculture (NICRA), ICAR. 2. Apex Committee in Agriculture Biotechnology constituted by Department of Biotechnology (DBT) Govt. of India. 3. Chairman of Project Monitoring Committee in Agri Biotechnology constituted by Department of Biotechnology (DBT) Govt. of India. 4. Chairman of Expert Committee on Crop Molecular Breeding constituted by Department of Biotechnology (DBT) Govt. of India.	-

Dr. Pritesh Vyas	1. IOSI Journal of Microbiology, Biotechnology and Food Science	--	--
Dr. Vinod Kumar	1. American Journal of Current Microbiology (Ivy Union Publishing, USA) 2. Nusantara Bioscience (Society for Indonesian Biodiversity Publication) 3. American Journal of Life Sciences; Advances in Biochemistry; 4. Advances in Bioscience and Bioengineering (Science Publishing Group) 5. Journal of Applied and Environmental Microbiology (Science and Education Publishing, USA) 6. SM Journal of Biology (SM Journals) 7. International Journal for Research in Biotech and Microbiological 8. Engineering(IJRBME) Lead Guest Editor for special issue on 'IndustrialBiotechnology' in 'American Journal of Life Sciences (SciencePublishing Group)' 9. Journal of Enzymology and Metabolism (Open SciencePublications) 10. International Journal of Agricultural Research and Crop Sciences(Acta Scientifica Publications) 11. Journal of Environment Science and Renewable Resources (ElynsPublishing Group)	---	--

Dr. Ajar Nath Yadav	1. Advance in Biotechnology and Microbiology 2. Current Microbiology 3. European J Biotechnology and Bioscience 4. International Journal of Microbiology and Biotechnology 5. Journal of Applied Biology & Biotechnology 6. World Journal of Microbiology & Biotechnology 7. Indian Journal of Microbiology Research 8. Journal of Basic Microbiology	--	--

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- Dr. Vinod Kumar Sangwan, attended 21 days ICAR sponsored winter school at GBPUAT, Pantnagar on Nov-Dec 2016
- Dr. Vinod Kumar Sangwan, attended 12 days national training workshop sponsored by ICAR during Nov 2013 at NBAIM, Mau, U.P.
- All departmental faculty members have attended one day workshop on IPRs: Issues and Challenges at Eternal University Baru Sahib on 14.03.2017
- Departmental faculty members have also participated in special IPR session during IREST-2017 on 07.04.2017 at Eternal University Baru Sahib

28. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects:

  Project work is an essential and compulsory part of curriculum at Eternal University and 100% students do their research work at in-house projects including inter-departmental projects

- Percentage of students doing projects in collaboration with other universities /industry/institute:

  20%, as some students visit to other labs for completion of their specific research work/experiments as follows;

  a. **Mr. Navdeep Sharma, Ph.D. Scholar,** has worked at Institute of Himalayan Bioresource Technology (IHBT), Palampur
  b. **Ms. Anisha Bano, Ph.D. Scholar,** has worked at Institute of Himalayan Bioresource Technology (IHBT), Palampur
  c. **Ms. Ambika Sharma, Ph.D. Scholar,** worked at Punjab Agricultural University, Ludhiana for one month.

d. **Mr. Abhishake Saxena, Ph.D. Scholar,** went to Maharshi Dayanand University, Rohtak for his research work for two months.
e. **Mr. Imran Sheikh, Ph.D. Scholar,** visited G B Pant Univ. of Agri. & Technology, Pant Nagar for his research work.
f. **Ms. Prachi Sharma, Ph.D. Scholar,** visited G B Pant Univ. of Agri. & Technology, Pant Nagar for her research work.

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

- **Ms. Prachi Sharma** Ph.D. Student Won 2nd best poster award at 9th Canadian Plant Biotechnology Conference, at McGill University Montreal Canada.
- **Ms. Anisha Bano** Ph.D. Student selected for Maulana Azad National Fellowship by UGC.
- **Ms. Kirandeep Kaur**, M.Sc. Student selected at PAU Ludhiana for Ph.D. program.
- **Ms. Ramandeep Kaur** won 2nd Best poster award at National Symposium on Advances in Biotechnology for Crop Improvement at Eternal University Baru Sahib.
- **Ms. Tanuja Mishra**, Ph.D. Scholar, won best poster award at 2nd International Conference at ICSCCB Pune.
- **Dr. Dharmendra Singh**, Assistant Professor at ACA has been selected as Post-doctoral fellow at Queensland University Australia for three years.
- **Dr. Vinod Kumar Sangwan** awarded 2nd best oral presentation prize in National Conference at Department of Food Technology, Shoolini University, Solan, Dated 02.03.2017
- **Ms. Ambika Sharma**, Ph.D. Scholar, awarded 3rd best poster presentation award at National conference on "Advances in Food Science and Technology" at Eternal University, Baru Sahib, Dated 24-25 March 2017.
- **Ms. Divjot Kaur**, Ph.D. Scholar, awarded 3rd best poster presentation award at National conference on "Advances in Food Science and Technology" at Eternal University, Baru Sahib, Dated 24-25 March 2017.
- **Dr. Vinod Kumar Sangwan** awarded best session award in International Conference on Innovative research in Engineering, Science and Technology at Eternal University, Baru Sahib, Dated 07.04.2017

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

1. <u>DBT MEETING</u>

A meeting of **Expert Committee on Crop Molecular Breeding** of Department of Biotechnology, GOI, New Delhi was organized at the Eternal University, Baru Sahib from July 9-11, 2014. More than 20 numbers of experts, coordinators and principal investigators from very reputed National Institutes/Universities participated in the meeting and reviewed status reports of several ongoing DBT funded research projects. The committee has also decided fate of more than 50 other proposals for funding by DBT, GOI.

(Meeting of Department of Biotechnology, Govt. of India, constituted National level Expert Committee on Crop Molecular Breeding)

(Dr. H.S. Dhaliwal, Vice Chancellor Eternal University chairing the session during the Department of Biotechnology, Govt. of India meeting at Eternal University

2. <u>NATIONAL SYMPOSIUM</u>

In continuation of the meeting of Expert Committee on Crop Molecular Breeding of Department of Biotechnology, GOI, New Delhi from July 9-11, 2014 at the Eternal University, Baru Sahib, a one-day National Symposium on "Advances in Biotechnology for Crop Improvement" was organized on July 12, 2014 at the Eternal University. A number of distinguished scientists of the Expert Committee, various universities and institutions of India shared their views on the application of recent advances of biotechnology for improvement of yield, quality and stress tolerance of various crops of the region at the symposium. Apart from this a poster session was also organized simultaneously fort the participation of young researchers. A number of students from various Universities such as Shoolini University, Jaypee University, PAU Ludhiana, HAU Hisar, Dr YS Parmar UHF Nauni etc. participated and presented their posters in the event. Some of the distinguished speakers are listed below:

1. Dr. N. K. Singh, NRCPB, ICAR- IARI, New Delhi)
2. Dr. Kuldeep Singh, Punjab Agricultural University, Ludhiana
3. Dr. J. K. Roy, DBT- NABI, Mohali, Punjab
4. Dr. Navtej S. Bains, Punjab Agricultural University, Ludhiana
5. Dr. Kunal Mukhopadhayay, BITS, Mesra, Ranchi
6. Dr. Santosh Uphadayay, NABI, Mohali, Punjab
7. Dr. M. S. Sheshshayee, UAS, GKVK, Bangalore

(Releasing Symposium Souvenir)

(Welcome speech by Hon'ble Vice Chancellors, EU)

Felicitating the student with best poster award

Student displaying poster during symposium

31. Code of ethics for research followed by the departments:

- **An institutional bioethics committee has been constituted as per Norms set by Department of Biotechnology, Govt. of India**

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Biotechnology	17	4	6	-	-
Ph.D. Biotechnology	19	3	9	-	-

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Biotechnology	**--**	**17%**	**83%**	**--**
Ph.D. Biotechnology	**--**	**50%**	**50%**	**--**

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of student	Qualified examination
1	Mr. Imran Sheikh	UGC-CSIR NET
2	Ms. Prachi Sharma	ARS-NET
3	Ms. Anisha Bano	GATE
4	Ms. Preeti Sharma	IELTS
5	Ms. Harpreet Kaur Kalsi	IELTS

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil	NA
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	NA
Employed ➢ Campus selection ➢ Other than campus recruitment ➢ Entrepreneurs	 Nil 06 Nil

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36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	Nil
from universities from other States from	05
universities outside the country	01

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

a) Ajar Nath Yadav, Ph.D. Biotechnology from BIT, Mesra, Ranchi

b) **Sunil Kumar, Ph.D. Biotechnology from BIT, Mesra, Ranchi**

38. Present details of departmental infrastructural facilities with regard to

a. **Library:**

- Along with central library facility, department has maintained all postgraduate thesis for display and use for students
- Department has also maintained a collection of certain journals including Plant Biochemistry and Biotechnology; Everymen's Science, research papers and research manuals etc.

b. **Internet facilities for staff and students:**

- Students and staffs are provided free, 24x7 internet facilities with individual computers have also been provided to faculty members. Ph.D. Students have also been provided with individual cabins with internet facility of wi-fi.
- Department has seven computer systems for internet and research purpose along with printer facility

c. **Total number of class rooms**: **02**

d. **Class rooms with ICT facility**: **01**

e. **Students' laboratories**: **02**

f. **Research laboratories**: **03**

39. List of doctoral, post-doctoral students and Research Associates

a. From the host institution/university:

At present there are 12 PhD scholars. They have done their master's degree from other universities

b. From other institutions/universities: (Doctoral students)

Imran Sheikh	PAU Ludhiana
Prachi Sharma	Shoolini University, Solan
Navdeep Sharma	HPU, shimla
Abhishake Saxena	Bundelkhand Univ. Jhansi

Tanuja Mishra	PTU, Chandigarh
Ambika Sharma	Jaypee University, Waknaghat, Solan
Kusumlata Rana	Jammu University, Jammu
Shivani	Shoolini University, Solan
Divjot Kaur	Shoolini University, Solan
Anisha Bano	HPU, Shimla
Meena Verma	Monad University, Hapur, UP
Nandita Thakur	HPU, Shimla

40. Number of post graduate students getting financial assistance from the university.

- Abhishake Saxena
- Tanuja Mishra
- Navdeep Sharma
- Kusum Lata Rana

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, the department has been started keeping in view of need of skilled manpower in Biotechnology and allied sciences.

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, a regular feedback is obtained through a structured feedback schedule

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- Yes, a report evaluated by administration based on students remarks and points is usually intimated to concerned faculty member, with final advices and remarks of Hon'ble Vice chancellor

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes, A feedback system has been adopted and suggestions provided by administration and alumni are followed for improvement in research and development

43. List the distinguished alumni of the department (maximum 10)

S. No.	Name of alumni	Present position
1	Ms. Harpreet Kaur Kalsi	Working in Canada
2	Ms. Priti Sharma	Working in Canada

3	Mr. Jasmeet Singh	Junior Research Fellow, Department of Agriculture Biotechnology, PAU, Ludhiana
4	Ms. Kirandeep Kaur	Research Scholar, Department of Agriculture Biotechnology, PAU, Ludhiana
5	Ms. Ramandeep Kaur	Working in a pharma industry, Chandigarh
6	Mr. Sanveer Singh	Worked at Jivo Ind.
7	Ms. Gurdeep Kaur	Senior Research Fellow, School of Agriculture Biotechnology, PAU, Ludhiana

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

a) **Dr. Bikram Gill**, University Distinguished Professor, Kansas State University, USA, has presented a lecture on "wheat biodiversity, sequencing studies and current research status on wheat including initiatives on high temperature tolerance of wheat", dated 12.11.2016 in Room No. 307, which was attended by all life sciences (Botany, Biotechnology and Zoology) PG students and faculty members including Dr. H.S. Dhaliwal, Vice Chancellor, Eternal University and Dr. Sundip Kumar, Professor, Department of Molecular Biology and Genetic Engineering, GBPUAT, Pantnagar. He has described about research activities of his group, collaborators and new prospects of research in related areas.

b) **Dr. Dharmendra Singh**, Post-doctoral Research Fellow, QAAFI, Centre of Plant Sciences, The University of Queensland, Brisbane, Queensland, 4072, Australia, Presented a lecture entitled "Glimpses of research activity in Hickey Lab, UQ" dated 29.12.2016 in Room No. 307, which was attended by all life sciences (Botany, Biotechnology and Zoology) PG students and faculty members including Dr. Karan Singh, Associate Professor, Department of Chemistry, Eternal University, Baru Sahib. He has described about fast breeding research activities at University of Queensland.

c) Under the aegis of IPR cell, Eternal University, Dr. Vinod Sangwan and Dr. Sunil Kumar, has organized **workshop on IPRs Issues and Challenges**, which was attended by more than 240 participants and 5 external speakers have presented their lectures on related topics

d) Department of Biotechnology has also organized a one day **National Symposium on "Advances in Biotechnology for Crop Improvement"** dated 12.07.2014, which was attended by more than 200 participants and 11 plenary invited lectures were delivered by experts including 9 external experts from reputed institutions of DBT and ICAR.

45. List the teaching methods adopted by the faculty for different programmes

- Interface and interactive teaching process
- Power point presentations
- Project work
- Credit Seminars and viva
- Assignments and their presentations.

- Laboratory experiments
- Live demonstration of instruments for explaining principle and use of technique
- Field visit in experimental farms of college for teaching students of Agriculture

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Through Sessional and final examinations
- Through seminars of students
- For doctoral students, there is a provision of comprehensive written exam based on all studied courses followed by oral viva in front of competent external subject expert and all committee members
- Encouraging students to participate in research, publishing their research activities and presenting their work in conferences
- Monitoring and feedback

47. Highlight the participation of students and faculty in extension activities.

- All faculty members and students have actively organized and participated in first Kisan Mela of Eternal University, organized on April 12-13, 2016 and with an overwhelming response from the farmers of the areas, along with agro-industrial exhibition and participation of the development Department of state.

48. Give details of "beyond syllabus scholarly activities" of the department.

- Participation in field activities (sowing, breeding, harvesting) of department irrespective of their research interest to make them aware about real status of on field plants.
- They also participate in extension activities including organizing events such as Conferences, workshops.
- Participation in Eternal University cultural Festival.
- Participation in Sports meet
- Participation in Kisan mela

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

- Higher Education Review Rates Eternal University as University of the Year – 2016 for Pragmatic Education.
- According to a recent survey for top 25 deemed and private universities in India, Eternal University secured 6th Position among top emerging universities in India by higher education review magazine.
- According to a recent survey for top 25 deemed and private universities in India, Eternal University secured 8th Position among top universities for Infrastructure Facilities in India by higher education review magazine.
- Department of Biotechnology has been funded with three Department of Biotechnology, Govt. of India projects.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Several wheat lines with high grain iron and zinc content with yield comparable to

commercial cultivars have been developed which can be used to alleviate the wide spread micronutrient deficiency among Indian population.

- Quality protein maize hybrids with high amount of essential amino acid tryptophan and lysine with protein quality equivalent to milk casein have been introduced.
- Soybean lines without the Kunitz protease inhibitor have been identified and found suitable for human consumption like peas.
- Several bacterial and fungal isolates producing phytases to degrade the most notorious anti-nutritional factor Phytic acid have been isolated and characterized for commercial application to enhance bioavailability of micronutrients.
- Pearl millet hybrids with high grain iron, zinc and fibres have been introduced, successfully grown and maintained.
- Insects and fungi for biocontrol of the obnoxious weed *Parthenium hysterifolia* have been identified, multiplied and used for detailed studies.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

- Dynamic and experienced leadership with young and well qualified faculty members.
- Extensive research exposure to students during their PG course.
- Consistent research publication from the department faculty, scholars and PG students.
- Successful implementation of three DBT, Govt. of India projects in the department and successful completion of one of the DBT project in this financial year.
- Availability of elite research material for conducting various dissertation and doctoral thesis in the department.

Weakness

- Enrollment of PG students in the department.
- Lack of bioinformatics laboratory facility.

Opportunities

- Career advancement to faculty members for doing post doctoral research.
- Encouragement to all faculty members, Ph.D. scholars and PG students for attending inter-national and national symposium, conferences, workshops in and out of University.
- Four Ph.D. scholarships funded by the university are available in the department to encourage research activities.
- Collaboration with various institutes promotes interdisciplinary research and also exchange of material and utilization of various techniques.

Challenges

- To increase the PG students in the department.
- To obtain more externally funded research projects to enrich the laboratory infrastructure.
- To develop a bioinformatics laboratory for educating the students and scholars regarding software tools used in analyzing sequencing data.
- To establish more number of international collaborations

52. Future plans of the department.

- A *SeeD-India* project on wheat has been submitted to characterize at least 5000 exotic wheat accessions and donor accessions for drought, heat, yellow rust, Karnal bunt and grain quality will be identified and marker assisted breeding will be carried out for

improvement of wheat varieties.

- In maize, internally funded projects on improvement of local maize cultivars for quality protein, high beta-carotene and marker assisted selection for useful quality traits and disease resistance to enhance yield and quality of maize.
- Mapping of popping volume in popcorn variety and transfer of disease resistant characteristics in popcorn is going on. Molecular mapping of quantitative trait loci for erect leaves and their marker assisted breeding in maize (*Zea mays*) hybrids has been started and a erect leaf hybrid along with quality traits will be developed in the next five year.
- In pea, genes for resistant to powdery mildew will be mapped and transferred to local pea cultivar for yield improvement. In tomato, nematode resistance gene will be identified and transfer to local cultivars using marker assisted breeding.
- Nutritional quality and value addition of some parental lines and hybrids of pearl millet (*Pennisetum glaucum*) will be carried out. Nutritional evaluation and utilization of different cultivars of finger millet for development of nutraceutical and functional foods and these species have been introduced and efforts to increase the area of these crops by the farmers in Sirmour district are in progress.
- Enhancing the production, quality, accessibility and profitability of crop plant and fruits of Sirmour district and the Himachal Pradesh. Creating a food supply chain that is safe, secure, healthy, affordable and of high quality. Improving human health and well-being for individuals, families and communities, Preparing students and stakeholders for leadership and success in the global workforce.
- In near future, the major research focus will be towards interventions for improving micronutrient content and bioavailability in staple cereals and release of some wheat varieties with such traits maintaining their yields. In this regard, development of a baby food and food for elder population with enhanced micronutrient bioavailability will be a key interest.
- Characterization of rhizospheric and endophytic phytate hydrolyzing microbial community to explore specific plant microbe interaction will be another research interest and external funding have been sought already for these activities.
- Several psychrotolerant microbial isolates with interesting plant growth promoting attributes have been isolated and these will be used for their targeted applications (as formulated liquid biofertilizer) at low temperature in Himachal Pradesh.

EVALUATIVE REPORT DEPARTMENT OF FOOD TECHNOLOGY

1. **Name of the Department: Department of Food Technology**

2. **Year of establishment** : **2014**

3. **Is the Department part of a School/Faculty of the university?**

   Yes, Akal College of Agriculture

4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)**
   UG: B. Tech. Food Technology
   PG: M.Sc. Food Technology

5. **Interdisciplinary programmes and departments involved- Department of Biotechnology, Economics, Management, Botany, Mathematics, Zoology, Biochemistry, English**

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
   PAU, Ludhiana, GBPUA&T, Pantnagar, NABI, Mohali, YSPUH&T, Nauni, CSKUAT, Palampur, IARI, New Delhi, Shoolni University, Soolan, JP University, Waknaghat,

7. **Details of programmes discontinued, if any, with reasons- No**

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System-** Semester system

9. **Participation of the department in the courses offered by other departments – Yes**

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	**Filled**	**Actual (including CAS & MPS)**
Professor	05	Nil	
Associate Professors	03	Nil	
Asst. Professors	11	05	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name of Faculty	Designation	Highest qualification & Specialization	Experience (Teaching / Research/Extension)
Dr. H. S. Dhaliwal	Professor / Vice Chancellor	Ph.D., PDF, Genetics and Plant Breeding	40 years
Dr. B. S. Boparai	Professor/ Dean	Ph.D., Agronomy	38 years
Dr. Rahul Kumar	Associate Professor	Ph.D., Genetics and Plant Breeding	10 years
*Dr. Nasib Singh	Assistant Professor	Ph.D., PDF, Microbiology	7 years
*Dr. Vivek Sharma	Assistant Professor	Ph.D., Botany	6 Years
*Dr. Vinod Sangwan	Assistant Professor	Ph.D., Biochemistry	4 Years
*Dr. Pritesh Vyas	Assistant Professor	Ph.D., Plant Biotechnology	6 years
*Dr. A.N. Yadav	Assistant Professor	Ph.D., Microbial Biotechnology	1 Year 5 months
*Dr. Neelam Thakur	Assistant Professor	Ph.D., Zoology	5 year
Dr. Babita Khachi	Assistant Professor	Ph.D., Horticulture	2 years
Dr. Sushma Sharma	Assistant Professor	Ph.D., Plant Pathology	2 years
*Dr. Krishan Kumar	Assistant Professor	Ph.D., Food Technology	12 year 2 month
Dr. Harish Kumar	Assistant Professor	Ph.D., Dairy Technology	9 month
*Dr. Punesh Sangwan	Assistant Professor	Ph.D., Plant Biochemistry	1 year 10 months
Dr. Santosh Bhatt	Assistant Professor	Ph.D., Soil Science	6 Months
Dr. Naram Ramu	Assistant Professor	Ph.D., Agronomy	3 year and 6 months
*Mr. Shiv Kumar	Assistant Professor	M.Sc. Food Technology, Cereals (Ph.D., Pursuing)	7 Month
*Dr. Priyanka Thakur	Assistant Professor	Ph.D., Entomology	1 year
*Er. Rajesh Kumar	Assistant Professor	M. Tech., Food Engineering	8 month
*Mrs. Sony	Assistant Professor	M.Sc., Food and Nutrition	3 year 5 month
*Dr. B.S.Sohal	Professor/ Dean	Ph.D. Biochemistry	35 years
*Dr. Priyanka Yadav	Assistant Professor	Ph.D., Microbiology	6 month
*Dr. Punesh Sangwan	Assistant Professor	Ph.D. Biochemistry	2.5 year
*Dr. Surjan Singh	Assistant Professor	Ph.D., Math	11 year
*Er. Kuldeep Singh	Assistant Professor	M.Tech., Mechanical	4 year
*Er. Karambir kaur	Assistant Professor	M.Tech., Computer Science	1 year
*Dr. Sunil Kumar	Assistant Professor	Ph.D Renewable energy	1 year
*Dr. Jai Kumar	Assistant Professor	Ph.D Commerce	1 year
*Ms. Kamla Mehta	Assistant Professor	Ph.D Economics (Pursuing)	1 year

*Faculty is associated with other Department to fulfill requirement of interdisciplinary subjects

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

1. Dr. Tejinder singh- Former HOD, department of Food Tech, PAU, Ludhiana
2. Prof. Khem Singh Gill, PAU Ludhiana
3. Prof. Vikram S. Gill, Kansas State University, Kansas

13. Percentage of classes taken by temporary faculty – programme-wise information: N/A

14. **Programme-wise Student Teacher Ratio**- 18:1

Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual- The Department gets required academic support staff (technical) and administrative staff From the University.

15. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

Staff	Number
Lab Assistant	one

16. Research thrust areas as recognized by major funding agencies

Millets processing, fruits and vegetable processing, bakery technology etc. - submitted the proposal to the funding agencies e.g H.PSCST& E, DST Govt. of India . Approval is awaited.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise –

Sr. No	**Project title (M.Sc. Students)**	**Funding Agency**
1	Nutritional evaluation and utilization of different cultivars of oat (*Avena sativa* L.) for development of functional foods	Eternal University
2	Development and value addition of apple cider.	Eternal University

18. Inter-institutional collaborative projects and associated grants received

a) **National collaboration**

PAU, Ludhiana, ARI, Pune, IARI, New Delhi, GBPUA&T, Pantnagar, IIT, Roorkee

b) **International collaboration**

Department will take international collaborations in coming years.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.;

Creation of Infrastructural facilities under the scheme for human resource development Ministry of Food Processing Industries Govt. of India (MoFPI) -total grants received- 75 Lakhs.

20. Research facility / centre with :

State recognition

The College has tried to continue by establishing for Crop Research Centre in July 2014. This centre aims to expose students to various areas in Agriculture and enhance the productivity of sirmour district of HP.

21. Special research laboratories sponsored by / created by industry or corporate bodies

Sr. No.	Project	Funding Agency	Amount of Project grant
1	Creation of Infrastructural facilities under the scheme for human resource development	Ministry of Food Processing Industries Govt. of India (MoFPI)	75 akh

22. Publications:

Name	Research Publication International	Research Publication National	Paper in E-journal	Books Published	Chapter to Edited Books	Seminar/ Conference Presentations	Monographs	Citation of Works	Impact Factor	H-Index
Dr. Krishan Kumar	04	10			03	10		13	05	02
Dr Harish Kumar	03	10			03	10		25	06	03
Mr. Shiv Kumar	02	01			05	09		05		
Er. Rajesh		02								
Mrs. Sony						03				

List of Publications:

1. Kumar, K., Kumar, H. and Kumar, S. (2017). Nutraceutical potential and processing aspects of millets. In: Proceedings of second national conference on new horizons in human health and nutrition, Shoolini university, Solan.
2. Kumar, H., Ranvir, S., Kumar, K., Kumar, S. and Seth, R. (2017). Immunoglobulin (IgG) enrichment in goat colostrums whey powder using ultrafiltration. In: Proceedings of second national conference on new horizons in human health and nutrition, Shoolini university, Solan.
3. Kumar, S., Prasad, K., Kumar, K. and Kumar, H. (2017). Physico-chemical and sensory evaluation of coated flaked and puffed rice products. In: Proceedings of second national conference on new horizons in human health and nutrition, Shoolini university, Solan.
4. Kumar, V., Yadav, A.N., Verma, P., Sangwan, P., Saxena, A., Kumar, K. and Singh, B. (2017). Propeller phytases: Diversity, catalytic attributes, current developments and potential biotechnological applications, International Journal of Biological Macromolecules, DOI 10.1016/j.ijbiomac.2017.01.134
5. Kumar K. and Ray, A. (2016). Development and shelf-life evaluation of tomato-mushroom mixed ketch-up. *J. of Food Sci. & Tech. DOI 10.1007/s13197-016-2179-y.*
6. Kumar K. and Kumar S. (2016). The Role of Nutraceuticals and Functional Foods in Health and disease prevention: A review. *South Asian J. Food Technol. Environ. 1(2):116-121*
7. Kumar K. (2016). Studies on development and shelf life evaluation of soup powder prepared from white button mushroom (*Agaricus bisporus* L.). *South Asian J. Food Technol. Environ. 1(3&4): 219-224.*
8. Kumar K. (2015). Role of Edible Mushrooms as Functional Foods: A Review. *South Asian J. Food Technol. Environ. 1(3&4): 211-218.*
9. Kumar K. and Ray, A. (2010). Effect of incorporation of mushroom pulp with tomato pulp on physic-chemical characteristics of mixed soup. *Beverage and Food World* 37 (1): 71-72.
10. Kumar K. and Ray, A. (2008). Nutritional evaluation and storage studies of chutney prepared from white button mushroom (*Agaricus bisporus* L.). *Haryana J. Hort. Sci.* 37 (3 & 4) : 236-239
11. Kumar, K., Ray, A. and Sharma, A. (2008). Storage stability of Musambi *(Citrus sinensis*) RTS beverage in different storage conditions. *Beverage and Food World* 35 (2) : 47-48
12. Kumar K. and Ray, A. (2008).Nutritional evaluation and storage studies of button mushroom (*Agaricus bisporus* L.) powder fortified Bread. Paper presented and published in the proceedings of National Seminar on Food Safety and Quality on Oct 20-21, 2008 at GJUS&T, Hisar.

13. Kumar K. and Ray, A. (2007). Nutritional evaluation and storage studies of button mushroom powder fortified biscuits. *Mushroom Research- an international journal* 16 (1):31-35
14. Kumar, K. And Ray A. (2007). Studies on drying characteristics of white button mushroom dried by different drying techniques. *Mushroom Research- an international journal* 16 (1): 37-40
15. Kumar K. and Ray, A. (2007). Studies on development and shelf life of pickle of white button mushroom (*Agaricus bisporus* L.). *Haryana J. Hort. Sci.* 36 (3 & 4) : 244-246 (referred journal) ISSN-0970-2873
16. S. Kumar and K. Prasad (2013). Effect of Paddy Parboiling and Rice Puffing on Physical, Optical and Aerodynamic Characteristics. International Journal of Agriculture and Food Science Technology. 4(8): 765-770.
17. S. Kumar, Y. Singh and K. Prasad (2013). Physical properties of paddy as affected during transformation of flaked rice, Production and processing of Food Crops for Value Addition: Technology and Genetics Options, Agrobios (International), 211- 214
18. Kumar, S., R. Haq., Prasad, K., 2016. Studies on physico-chemical, functional, pasting and morohological characteristics of developed extra thin flaked rice, Journal of Saudi Society of Agricultural Sciences, http://dx.doi.org/10.1016/j.jssas.2016.05.004
19. S. Kumar, S. Shekhar and K. Prasad (2016). Temperature dependent roasting kinetic changes in opto-physical and textural characteristics of flaked rice, Recent advances in emerging technologies, "Recent Advances in emerging technologies," Shri Guru Garnth Sahib World University Fatehgarh Sahib, page, 400-412.
20. S. Kumar and K. Prasad (2017). Optimization of Flaked Rice Dry Roasting in Common Salt and Studies on Associated Changes in Chemical, Nutritional, Optical, Physical, Rheological and Textural Attributes, Asian Journal of Chemistry. Accepted, 7, March 2017.
21. Harish Kumar, Naveen Kumar, Raman Seth and Arun Goyal. Chemical and immunological quality of goat colostrum: effect of breed and duration of milking. Journal of Dairy Science. 67(6), 2014.
22. Harish Kumar, Naveen Kumar, Raman Seth, Arun Goyal, and Chand Ram. Effect of heat treatments of goat colostrum on bacterial counts, viscosity, and immunoglobulin concentration. Indian Journal of Dairy Science. 68 (2), 2015.
23. Harish Kumar, Devbrat, Naveen Kumar, Varsha Garg, Raman Seth and B.S Bhart Kumar. Sialic acid concentration in cross breeds dairy Goat: effect of breed and duration of milking. Journal of Animal Research. 5(4) 785-788. 2015.
24. Naveen Kumar, Raman Seth and Harish Kumar. Colorimetric detection of melamine in milk by citrate stabilized gold nanoparticles. Analytical Biochemistry. 456: 43-49, 2014.
25. Naveen Kumar, Harish Kumar Raman Seth and Bimlesh Mann. Colorimetric determination of melamine in milk using unmodified silver nanoparticles. Spectrochimica Acta Part A: Molecular Spectroscopy; 156, 89-97, 2016.
26. Aman Mehra, Harish Kumar, Naveen Kumar, Varsha Garg and Bhupender Singh Khatkar. Preparation and storage study of sweet orange squash. Research & Reviews: Journal of Food Science & Technology. 2 (3) 140-144, 2013.

27. Devbrat, Harish Kumar, Arvind Kumar, Alok Jha, Pramod Kumar and Diwakar Mishra. Optimization of polyphenolic fortification of grape peel extract in stirred yogurt by response surface methodology. Indian Journal of Dairy Science. 69 (1), 2015).
28. Suvartan Ranvir, Sarrabh Gosewade, Harish Kumar and Raman Seth. Effect of Methyl Paraben, Propyl Paraben and Formalin Preserved Milk on Chemical Composition During Storage. Oriental Journal of Chemistry. 31(4). 2015
29. Harish Kumar, Devbrat Yadav, Naveen Kumar and Raman Seth. Nutritional and nutraceutical properties of goat milk - A review. Indian J Dairy Sci 69(5), 2016
30. Harish Kumar, Naveen Kumar and Raman Seth. Breakfast Cereal as neutraceutical. Beverage and food world. 39 (12): 35-36, 2012.
31. Harish Kumar, Neha Choudhary, Varsha Garg, Naveen Kumar, Hitesh, Raman Seth. Maillard Browning: Pros and Cons in Dairy and Food Industries. Research and Reviews: Journal of Dairy Science and Technology. 2 (2): 9-18, 2013.
32. Harish Kumar, Neha Choudhary, Varsha, Naveen Kumar, Suman and Raman Seth. Phenolic compounds and health effect. Journal of Food Research and Technology. 2 (2) 46-59, 2014
33. Harish Kumar, Sneha Shende, Naveen Kumar and Raman Seth. Comparative aspect of goat and cow milk. 7th National Seminar "DAIRY SECTOR: THE KEY PLAYER FOR NUTRITIONAL SECURITY IN INDIA' (September 19-20, 2014).
34. Kumar S., Kumar K. And Prakash C. (2015). Studies on microwave assisted hot air drying characteristics and Rehydration of Bitter gourd (Momordica charantia L.). *South Asian J. Food Technol. Environ. 1(2):144-151 (2015).*

Abstracts in conferences

1. Kaur, A., Kumar, K., Kumar, V. And Dhaliwal, H.S. (2016). Development and nutritional evaluation of finger millet incorporated muffins. 86th annual session of National academy of sciences, India at Dehradun, Uttrakhand on December 2-4, 2016.
2. Kumar, H., Kumar, S., Kumar, K., Kumar, R. and Seth, R. (2016). Colostrum and its health benefits. National conference on technologies in sustainable food system at department of Food Engineering and Technology, Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Sangrur (Pb.) on October 7-8, 2016.
3. Kaur, A., Kumar, K., Kumar, S. and Kumar, H. (2016). Role of healthy food Habits in relieving stress. National conference on technologies in sustainable food system at department of Food Engineering and Technology, Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Sangrur (Pb.) on October 7-8, 2016.
4. Kaur, L., Kumar, K., Kumar, R. and Yadav, A. N. (2016). Role of millets as functional Foods. National conference on technologies in sustainable food system at department of Food Engineering and

Technology, Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Sangrur (Pb.) on October 7-8, 2016.

5. Kumar, K., Kumar, S., Kumar, H., Kumar, V. and Vyas, P. (2016). Role of nanotechnology in food processing and preservation. National conference on technologies in sustainable food system at department of Food Engineering and Technology, Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Sangrur (Pb.) on October 7-8, 2016.
6. Kumar, S., Prasad, K., Kumar, K. And Yadav, Y.S. (2016). Nutraceutical and health benefits of rice bran oil. National conference on technologies in sustainable food system at department of Food Engineering and Technology, Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Sangrur (Pb.) on October 7-8, 2016.
7. Gahtori, B., Kumar, H., Kumar K. and Kumar, S. (2016). Role of probiotics in health and disease prevention. National conference on technologies in sustainable food system at department of Food Engineering and Technology, Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Sangrur (Pb.) on October 7-8, 2016.
8. Chauhan, D., Kumar, S., Kumar, K. and Kumar, H. (2016). Graviola (Annona muricata) : A miracle tree with anti-carcinogenic properties. National conference on technologies in sustainable food system at department of Food Engineering and Technology, Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Sangrur (Pb.) on October 7-8, 2016.
9. Kumar, K., Yadav, A. N., Vyas, P. and Singh, K. (2016). Chemical changes in food during processing and storage . 5th National Conference on Chemical Sciences: Emerging Scenario & Global Challenges (Role of Chemical Sciences to make in India) Sponsored by DG. Higher Education Haryana, At Arya P.G. College, Panipat (Hr) on March, 26, 2016.
10. Kumar, K., Kumar, V., Kumar, R. and Sagwal, S. (2016). Role of chemistry in Food processing and preservation. 5th National Conference on Chemical Sciences: Emerging Scenario & Global Challenges (Role of Chemical Sciences to make in India) Sponsored by DG. Higher Education Haryana, At Arya P.G. College, Panipat (Hr) on March, 26, 2016.
11. Kaur, A., Kumar, K. and Kumar V. (2016). Use of supercritical fluid extraction (SCFE) technology in food processing. National conference on food processing and technology: current status and future prospects, at shoolini university, solan (HP) on 25-26 Feb, 2016.

12. Kaur, R., Kumar, K. and Kumar V. (2016). High Pressure Processing (HPP) as emerging Technology in Food Preservation. National conference on food processing and technology: current status and future prospects, at shoolini university, solan (HP) on 25-26 Feb, 2016.
13. Gahtori, B., Kumar, K. and Kumar V. (2016). Nutraceuticals from Fruits and vegetables and their health benefits. National conference on food processing and technology: current status and future prospects, at shoolini university, solan (HP) on 25-26 Feb, 2016.
14. Kumar K. and Ray, A. (2007). Effect of incorporation of mushroom pulp with tomato pulp on physico-chemical and sensory characteristics of mixed ketchup. Paper presented and abstract published in the proceedings of National Conference on Food and Nutrition Security on March 22-23, 2007 at SLIET, Longowal.
15. Kumar K. and Ray, A. (2007). Studies on osmo-air drying of button mushroom (Agaricus bisporus L.). Paper presented and abstract published in the proceedings of National Conference on Food and Nutrition Security on March 22-23, 2007 at SLIET, Longowal.

Popular articles

1. Kumar, K., Kumar, V. and Vyas, P. (2016). Nutritional and Health Benefits of Millets. EU voice Magazine.
2. Kumar, K. and Yadav, A. N., Role of Probiotics, Prebiotics and Synbiotics as Functional Foods. EU voice Magazine.
3. Kumar, R. and Kumar, K. (2016). Nutraceutical Benefits of Chia Seeds (*Salvia Hispanica*). EU voice Magazine.
4. Kumar, V., Kumar, K., Negi, P. and Vyas, P. (2016). The Story of Journal 'Impact Factor' and 'Fake Impact Factor Companies. EU voice Magazine.
5. Yadav, A. N., Kumar, V., Kumar, K. and Dhaliwal, H. S. (2016). Current Applications and Future Prospects of Eco-friendly Microbes. EU voice Magazine.

23. **Details of patents and income generated** : NA

24. Areas of consultancy and income generated : NA

25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad - NA

26. Faculty serving in

- National committees b) International committees c) Editorial Boards d) any other (please specify) - NA

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs). Faculties of department has participated in different conferences, seminars, workshops and trainings

- 2nd international Conference on Innovative research in engineering science and technology on 7-8 April, 2017 at Eternal University, Baru Sahib, Sirmour, HP-173101.
- 6th National Conference on Chemical and environmental sciences: Emerging Dimentions and Challenges Ahead on 1st April, 2017 at Arya P. G. College, Panipat.
- National Conference on Advances in Food Science and Technology: Current trends and future prespectives on 24-25 March, 2017 at Eternal University, Baru Sahib, sirmour, HP-173101.
- Second National Conference on New Horizons in Human Health and Nutrition, Shoolini university, Solan on March, 2-3, 2017.
- 86th annual session of National academy of sciences, India at Dehradun, Uttrakhand on December 2-4, 2016.
- National conference on technologies in sustainable food system at department of Food Engineering and Technology, Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Sangrur (Pb.) on October 7-8, 2016.
- 5th National Conference on Chemical Sciences: Emerging Scenario & Global Challenges (Role of Chemical Sciences to make in India) Sponsored by DG. Higher Education Haryana, At Arya P.G. College, Panipat (Hr.) on March, 26, 2016.
- National conference on food processing and technology: current status and future prospects, at Shoolini University, Solan (HP) on 25-26 Feb, 2016.
- National Seminar on Food Safety and Quality on Oct 20-21, 2008 at Guru Jambheshwar University of Science & Technology, Hisar.
- National Conference on Food and Nutrition Security on March 22-23, 2007 at Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Sangrur (Pb).
- Attended "Summer School" at NDRI, Karnal on "Instrumental Analysis of Dairy Foods for Quality Standards" during 6th to 26th July, 2007.
- Attended "Winter School "at NDRI, Karnal on "Advances in Bioactive Components and Dietary supplements" during 25th November to 15th December, 2008.
- Attended NAAC sponsored one day state level sensitizing workshop on process of accreditation on 18th November, 2011 at Bhagat Phool Singh Mahila Vishwavidyalaya, Khanpur Kalan, Sonipat.

28. Student projects: Four Projects given to M. Sc. Food Technology students

Percentage of students who have done in-house projects including inter- departmental projects : 100%

Percentage of students doing projects in collaboration with other universities /industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- Faculty

  ICAR-NET

  1st Prize for oral presentation in National conference
- Doctoral / post doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any.

National conference on "Advances in Food Science and Technology" current status and future perspectives was organized on 24-25 March, 2017 with partial sponsorship of Department of Science and Technology (DST), Govt. of India.

31. Code of ethics for research followed by the departments

Research should be relevant, need based and conducted with total commitment and passion for finding truth and answer to unanswered questions for improving the quality of life. The ethics committee constituted by the university for this purpose.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	**Applications received**	**Selected**		**Pass percentage**	
		Male	Female	Male	Female
B.Tech Food Technology					
2016-17	50	-	21	-	100%
2015-16	50	-	11	-	100%

Name of the Programme (refer to question no. 4)	**Applications received**	**Selected**		**Pass percentage**	
		Male	Female	Male	Female
M.Sc. Food Technology					
2016-17	10	-	1	-	100%
2015-16	10	-	03	-	100%
2014-15	10		02	-	100%

33. Diversity of students

Name of the Programme (refer to question no. 4)	**% of Students from the Same University**	**% of students from other universities within the State**	**% of students from universities outside the State**	**% of students from other countries**
B. Tech. Food Technology	Nil	27	70	NIL
M. Sc. Food Technology	3	NIL	97	NIL

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise**- Nil

35. Student progression

Student progression	**Percentage against enrolled**
UG to PG	**01**
PG to M.Phil.	**-**
PG to Ph.D.	**-**
Ph.D. to Post-Doctoral	**-**
Employed ▪ Campus selection ▪ Other than campus recruitment Entrepreneurs	**100**

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	**Nil**
From other universities within the State	**33%**
From universities from other States from	**100%**
Universities outside the country	**Nil**

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period**- Nil

38. Present details of departmental infrastructural facilities with regard to

Library: Central library

Internet facilities for staff and students: The College has full-fledged wired as well Wi- Fi facility for Internet.

Total number of class rooms- **04**

Class rooms with ICT facility : Twol classrooms are fully equipped with projector and Internet facility.

Students' laboratories: 04

Research laboratories: 04

39. List of doctoral, post-doctoral students and Research Associates:

From the host institution/university: Nil

From other institutions/universities: Nil

40. Number of post graduate students getting financial assistance from the university.

students belonging to Minorities groups receive scholarships from the State Government.

Number of students receiving financial assistance from government agencies: students belonging to Minorities groups receive scholarships from the State Government.

41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Yes, the departmental faculty members submit their contents and assessment is done through of board of studies. Than it is submitted to academic council for final approval.

42. Does the department obtain feedback from

- **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes. This feedback is used for improving the teaching learning and evaluation methods.

- **Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Periodic feedback is obtained from students for the improvement in teaching learning process.

- **Alumni and employers on the programmes offered and how does the department utilize the feedback?**

As such random feedback is taken regarding certain issues of the university. Systematic structured feedback system is in process.

43. List the distinguished alumni of the department (maximum 10)

The first batch will be passing out in 2019

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- 2nd international Conference on Innovative research in engineering science and technology on 7-8 April, 2017 at Eternal University, Baru Sahib, Sirmour, HP-173101.
- National Conference on Advances in Food Science and Technology: Current trends and future prespectives on 24-25 March, 2017 at Eternal University, Baru Sahib, sirmour, HP-173101.
- National conference on food processing and technology: current status and future prospects, at Shoolini University, Solan (HP) on 25-26 Feb, 2016.
- National conference on technologies in sustainable food system at department of Food Engineering and Technology, Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Sangrur (Pb.) on October 7-8, 2016.
- Second National Conference on New Horizons in Human Health and Nutrition, Shoolini university, Solan on March, 2-3, 2017.

45. List the teaching methods adopted by the faculty for different programmes.

1) We conduct interactive classroom sessions to stimulate the interest and enhance the learning of the students.

2) Academically weak students are identified and remedial classes are arranged by the respective course teachers.

3) Various interdisciplinary lectures and workshops are organized to familiarize students with the various potentialities of the field.

4) We persuade the students to fill the Feedback form to strengthen the quality of teaching learning environment and to look for opportunities to improve teacher's performance in classroom and engagement with students to bring excellence in teaching and learning.

5) We arrange special lectures for the students by faculty members of different departments of our college.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Students are evaluated through sessional, mid-term and final examinations for their practical and theory curriculum. Based on results of examinations, learning outcomes are monitored. Besides, placement of students in good organizations is also the parameter of completion of objectives of department.

47. Highlight the participation of students and faculty in extension activities.

- Students and faculties actively participated in the very first Kisan mela being organized on April 12-13, 2016 and with an overwhelming response from the farmers of the areas, along with agro-industrial exhibition and participation of the development department of state.
- World Kisan day was celebrated at Lana Bhalta village on 23th Dec, 2016 to create awareness among farmers about the processing aspects of their post harvest produce so as to reduce the losses and enhancing the source of income.

48. Give details of "beyond syllabus scholarly activities" of the department.

Organization of Kisan mela on April 12-13, 2017.
Industrial visit of students to Minchy's Foods Pvt. Ltd.
Organization of Kisan mela on April 12-13, 2016.
Educational trip to shimla for students of B. Tech. and M. Sc. Food Technology.
Educational trip: Kisan Mela, Punjab Agriculture University, Ludhiana.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Created awareness among farmers about the processing aspects of their post harvest produce and to reduce the losses and enhancing the source of income through organization of Kisan Mela and other Kisan day and other farmer related activities.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Experienced, competent, hardworking faculty members who take part in different academic and administrative, research and extension activities of university and college.
- Well-developed food analysis and processing facilities
- Focus on developing students through academic and co-curricular activities.
- Resources available for training and other extension activities of farmers

Weaknesses:

- Strength of students.
- More space for infrastructure

Opportunities:

- Scope for arrangement of extension activities.
- Manufacture of processed products using infrastructural facilities provided by MOFPI

- To develop a research laboratory for consultancy services.
- To get a licence from FSSAI for use of infrastructure facilities.
- To sell processed products after getting licence from FSSAI

Challenges:

- Admission of students in different disciplines.
- To get fund for various research projects from UGC, DBT/DST or MOFPI .

52. Future plans of the department.

- To get fssai certification for pilot plants for sale of processed products.
- To conduct various training programs for farmers to get them familiar with various techniques for processing of their post-harvest produce and help them to establish cottage scale industries.
- To start Ph. D. program in Food Technology so as to conduct various research activities.
- The major research focus in Food Technology will be towards value addition of the underutilized but highly nutritious cereals and millets for development of nutraceuticals and functional foods. Much work has been done for utilization of finger millet (rich source of calcium) and pearl millet (rich source of Iron and zinc) for developments of breads, biscuits, pizza, muffins, popped grains etc. These products are highly useful for anaemic and calcium deficient people specially children, pregnant and lactating women.
- In future, much emphasis will be made for development of functional food containing high fibre, proteins and low calories for alleviation of protein deficiency in pre-school children and people with diabetes, obesity and heart diseases.
- Research activities will be planned to utilize the industrial waste from milk, cereal, fruits and vegetables processing industries for extraction of bioactive compounds and their utilization for development of functional foods.
- Formulation will be standardized for semi-commercial production of bakery, fruits, vegetables and extruded products using the pilot- plant facilities funded by Ministry of Food Processing Industries (MoFPI) Govt. of India.

EVOLUTION REPORT OF DEPARTMENT OF ZOOLOGY & ENTOMOLOGY

1. **Name of the Department:-** Department of Zoology & Entomology

2. **Year of establishment:** 2010

3. **Is the Department part of a constituent college of the university**? Yes

4. **Names of programmes offered**: B.Sc Medical, B.Sc Hons. and M.Sc

5. **Interdisciplinary programmes and departments involved:-** Yes

6. Courses in collaboration with other universities, industries, foreign institutions, etc.:-

1. The Department has initiated a collaborated process with the Birbal Sahni Institute of Paleo Botany lucknow .

2. Collaboration with CommonWealth Agricultural Bureaux International , London, U.K under active consideration.

7. Details of programmes discontinued, if any, with reasons :- N/A

8. Exam. System: Annual/Semester/Trimester/Choice Based Credit System:

Semester System and Choice Based Credit System

9. Participation of the department in the courses offered by other departments:-

S. No.	Departments
1	Agriculture
2	Food Tech
3	Chemistry
4	Physics
5	Mathematics
6	Botany
7	Biochemistry
8	Microbiology

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled	Actual (Including CAS & MPS)
Professor	1	One	
Associate professor	2	Vacant	
Asst. Professor	3	Three	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. Students guided for the last 4 years
1. Dr. Ramesh Arora	Ph. D. (Entomology)	Professor	Economic Entomology	38 Years	3 Ph.D Scholars
2. Mrs. Indira Arora	M.Sc Hons and M. Phil. (Zoology)	Asst. Prof.	Cytogenetic	20 Years	-
3. Dr. Neelam Thakur	Ph. D. (Zoology)	Asst. Prof.	Parasitology (Nematology)	4 years	- -
4. Dr. Priyanka Thakur	Ph.D (Entomology)	Asst. Prof.	Economic Entomology	1Years	

12. List of Senior Visiting Fellows, adjunct faculty, emeritus professors :-

1. Dr. kulwinder Singh Saini (Adjunct Professor) King Abdullah University, Saudi Arabia
2. Dr. Surjeet Singh Gill (Adjunct Professor) Uni. Of California, Riverside, USA
3. Dr. Vedpal Malik (Adjunct Professor) USDA, Riverside,USA
4. Dr. Darshan Singh Brar (Adjunct Professor) IRRI, Philippines
5. Dr. Daljit Singh Virk (Adjunct Professor) Bangor Uni. England
6. Dr. S.S. Marwaha (Adjunct Professor) PBTI Mohali
7. Dr. Bikram Singh Gill (Adjunct Professor) University of Kansas, USA
8. Dr. Lal Singh Bara (Adjunct Professor) Ph.D Agronomy (PAU Ludhiana
9. Dr. Dharmender Singh (Post Doc. Fellow) University of Queensland, Australia
10. Mr.S. Nirmal Singh (Retd Drector of sports)U.P
11. Dr PK Chhuneja, Prof, PAU, Ludhiana
12. Dr Vipan Chaturvedi, Adjunct Prof, Univ of California, San Diego, USA

13. Percentage of classes taken by temporary faculty – programme-wise information:-
10-20%

14. **Programme-wise Student Teacher Ratio**: 8:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:-
Centralized university Staff is available when required.

16. Research thrust areas as recognized by major funding agencies:-

IPM, animal biodiversity, Cytogenesis's, biological control, Climate change- Proposal submitted and approval awaited.

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:-** In active process

18. **Inter-institutional collaborative projects and associated grants received:- Some technical and financial support**

a) National collaboration **b) International collaboration**
In active process

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
Proposal submitted and approval awaited .

20. Research facility / Centre with state recognition

Project title	Funding Agencies	Total grant	Status
Marker assisted breeding of tomato (*Solanum lycopersicum* L.) for resistance against root-knot nematodes and late blight.	NASF-ICAR, GoI	181 lakh	Submitted

Studies on plant parasitic nematodes and their role in disease incidence in tomato and management in Himachal Pradesh	Early research carrier award In DST Govt. Of India	45 lakh	Submitted
Molecular characterization of Root Knot nematode (*Meloidogyne* spp.) infesting tomato and their management in Himachal Pradesh	Extra Mural research grant in DST Govt of India	35 Lakh	Submitted

National recognition **Yes (Association of Indian Universities)**
International recognition **Yes**

21. Special research laboratories sponsored by / created by industry or corporate bodies:-

Proposal submitted and approval awaited.

22. Publications

Name	Research Publication International	Research Publication National	Paper in E-journal	Books Published	Chapter to Edited Books	Seminar/ Conference Presentations	Monographs	Citation of Works	Impact Factor	H-Index
Dr. Ramesh Arora	10	90		14	45	105				
Dr Indra Arora	03	10			03	10		25	06	03
Dr. Neelam Thakur	04	10				10				
Dr. Priyanka Thakur		02				02				

S.No.	Subject	Number
1.	Number of papers published in peer reviewed journals (national / international)	300
2.	Monographs	-
3.	Chapters in books	49
4.	Books with ISBN and details of the publisher	1.Singh B, Arora R and Gosal S S (eds) (2015)Biological and Molecular Approaches in Pest Management. Scientific Publishers, Jodhpur, 429 pp. 2. Dhawan AK, Singh B, Brar MB and Arora R (eds) (2013)Integrated Pest Management, Scientific Publishers, Jodhpur, 749 pp. 3. Sidhu JK and Arora R (2012)Population Build up of *Helicoverpa armigera* (Hubner) on Forage Legumes. LAP LAMBERT Academic Publ. GmbH&Co., KG. 86pp.
		4. Arora R, Singh B and Dhawan AK (eds) (2012)Theory and Practice of Integrated Pest Management. Scientific Publishers, Jodhpur, 524 pp. 5. Dhaliwal GS and Arora R(2006)Integrated Pest Management: Concepts and Approaches, 2ndrevised edition.Kalyani Publishers, New Delhi, 369 pp. 6. Dhaliwal GS and Arora R(2001)Integrated Pest Management: Concepts and Approaches. Kalyani Publishers, New Delhi, 427 pp. 7. Dhaliwal GS, Arora Rand Dhawan AK (eds) (1999)Emerging Trends in Sustainable Agriculture.Commonwealth Publishers, New Delhi, 316 pp. 8. Dhaliwal GS and Arora Reds) (1999)Environmental Stress in Crop Plants. Commonwealth Publishers, New Delhi, 315 pp. 9. Arora R and Dhaliwal GS (1999)The Insects: Diversity, Habits and Management.Kalyani Publishers, New Delhi, 161 pp. 10. Dhaliwal GS, Randhawa NS, Arora Rand Dhawan AK (eds) (1998a)Ecological Agriculture and Sustainable Development.Vol.1. India Ecological

		Society, Ludhiana and Centre for Research in Rural & Industrial Development, Chandigarh, 688 pp. 11. Dhaliwal GS, Randhawa NS, Arora Rand Dhawan AK (eds) (1998b)Ecological Agriculture and Sustainable Development.Vol. 2. Indian Ecological Society, Ludhiana and Centre for Research in Rural and Industrial Development, Chandigarh, 716 pp. 12. Dhaliwal GS and Arora R(1996) Principles of Insect Pest Management.National Agricultural Technology Information Centre, Ludhiana, 374 pp. 13. Dhaliwal S and Arora R(eds) (1994)Trends in Agricultural Insect Pest Management. Commonwealth Publishers, New Delhi, 547 pp.
5.	Books edited	14
6.	Number listed in international database (Web science, scopus, Humanities, Internationla Complete, EBSCO, Host etc.), Citation index range/ average, SNIP, SJR, Impact Factor range/ Average H- index	Average 438
7.	Research awards received by Faculty and students	1
8.	National and international recognitions received by the faculties	7
9.	Indicate the average number of M.Phil and Ph.D Scholars guided by the faculties	13, Three Ph.D., 2 M.Sc. Students guided and eight M.Sc. at present guiding

Publications list

Number of papers published in peer reviewed journals (national / international):- 300

Dalal PK and **Arora R** (2016) Impact of temperature on food consumption and nutritional indices of tomato fruit borer, *Helicoverpa armigera* (Hubner) (Noctuidae: Lepidoptera). *Journal of Agrometeorology* 18(1): 62-67.

Kaur R, Mandal K, Sahoo SK, Kumar R, **Arora R** and Singh B (2016) Estimation and risk assessment of flubendiamide on fodder berseem clover (*Trifolium alexandrinum* L.) by QuEChERs methodology by LC-MS/MS. *Environmental Science and Pollution Research* Doi: 10.1007/s11356-016-6109-3.

Shera PS and **Arora R** (2016) Survival and development of spotted bollworm, Earias vittella(Fabricius) (Lepidoptera: Nolidae) on different transgenic Bt and isogenic non-Bt cotton genotypes. *Phytoparasitica* 44: 99-113. Doi: 10.1007/s12600-016-0505-6.

Shera PS and **Arora R** (2016) Comparative survival and development of spotted bollworm, *Earias vittella* (Fabricius) on *Bt* and isogenic non- *Bt* cotton genotypes under field cage conditions. *Journal of Cotton Research and Development* **30** (1): 97-103

Shera PS and **Arora R** (2016) Comparative study on oviposition and larval preference of spotted bollworm, *Earias vittella* on Bt and non-Bt cotton. *Journal of Environmental Biology* **37**: 121-127.

Sharma S, Kooner R and **Arora R** (2016) Biointensive integrated management of insect pests. *Agricultural Research Journal* 53: 145-156.

Gill AK, **Arora R** and Jindal V (2016) Molecular variability of gram caterpillar *Helicoverpa armigera* (Hubner) populations occurring in Punjab. *Journal of Insect Science* **29**: 43-48.

Gill AK, **Arora R** and Pathania PC (2015) Morphological characterization of *Helicoverpa armigera* Hübner (Lepidoptera: Noctuidae) populations from different hosts in Punjab. *Agricultural Research Journal* **52**: 73-78.

Shera P S, Arora R and Singh P 2015. Comparative susceptibility of transgenic Bt cotton hybrids to *Earias* spp and other non target insects. *Crop Protection* 71: 51-59.

Pandey S, Sharma S, Sandhu S S and Arora R 2015. Development and food consumption of some lepidopteran pests under increased temperature conditions. *Journal of Agrometeorology* 17: 36-42.

Gill A K, Arora R and Pathania P C 2015. Morphological characterization of *Helicoverpa armigera* Hubner populations from various hosts in Punjab. *Agricultural Research Journal* 52(3): 73-78.

Gill A K and Arora R 2015. Interbreeding Status of *Helicoverpa armigera* Hübner (Lepidoptera: Noctuidae) collected from different hosts and agroclimatic Zones. *Ecology Environment and Conservation* (Accepted).

Taggar G K and Arora R 2014. Population dynamics of lepidopteran pests on Egyptian clover and bioefficacy of reduced risk insecticides for their management. *Range management and Agroforestry* 35: 271-74.

Sharma S, Arora R and Singh B 2014. Impact of climate change on agriculturally important insects. *Journal of Insect Science* 27: 159-88.

Sandhu S S and Arora R 2014. Evaluation of oviposition efficiency of trap crops of marigold and coriander for management of tomato fruit borer, *Helicoverpa armigera*

(Hubner) (Noctuidae: Lepidoptera) on potted plants. *Indian Journal of Agricultural Research* 48: 367-72.

Mandal K, Kaur R, Sahoo S K, Arora R and Singh B 2014. Degradation pattern and risk assessment of chlorantraniliprole on berseem (*Trifolium alexandrinum* L.) using high performance liquid chromatography. *Chemosphere* 112: 100-104. URL: http://dx.doi.org/10.1016/ j.chemosphere.2014.03.054.

Shera P S and Arora R 2012. Relative susceptibility of spotted bollworm, *Earias vittella* (Fabricius) to different Bt cotton hybrids. *Crop Improvement* (Special Issue): International Conference on Sustainable Agriculture for Food and Livelihood Security, pp. 1019-20

Arora R and Taggar G K 2012. Bioefficacy of chlorantraniliprole 18.5 SL for management of gram caterpillar *Helicoverpa armigera* (Hubner) on Egyptian clover seed crop. *Crop Improvement* (Special Issue): International Conference on Sustainable Agriculture for Food and Livelihood Security, pp. 1027-28.

Randhawa HS, Saini MK and Arora R 2012. Efficacy of Rimon (novaluron) against tobacco caterpillar *Spodoptera litura* on berseem *Crop Improvement* (Special Issue): International Conference on Sustainable Agriculture for Food and Livelihood Security, p.1091.

Tiwana U S and Arora R 2011. Evaluation of seed rate and sowing time for management of shoot fly (*Atherigona* spp.) in forage sorghum. *Journal of Insect Science* 24: 402-406.

Sidhu J K and Arora R 2011. Studies on population build-up of gram caterpillar *Helicoverpa armigera* (Hubner) on selected genotypes of *rabi* forage legumes. *Forage Research* 36: 223-28.

Sidhu J K and Arora R 2011. Studies on host plant suitability of selected *Rabi* forage legumes for gram caterpillar, *Helicoverpa armigera* (Hubner). *Journal of Research Punjab Agricultural University* 48: 140-48.

Malhan G S and Arora R 2011. Evaluation of seed treatments and fish meal baits against shoot fly *Atherigona* sp. in forage sorghum. *Journal of Insect Science* 24(Special issue): 61-67.

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(Special issue): 80-87.

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Dhaliwal, G.S., Arora, R. and Dhawan, A.K. (2004) Crop losses due to insect pests in Indian agriculture: An update. *Indian J.Ecol.* 31: 1-9.

Battu, G.S., Arora, R. and Bath, D.S. (2002) Nucleopolyhedrovirus induced *en mass* mortality among *Helicoverpa armigera* (Hubner) infesting sunflower. *Insect Environ.* 7: 186-188.

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3) Gill A K and Arora R 2015. Pest-insects resistance to microbial control agents: current status and management strategies. In: Singh B, Arora R and Gosal S S (eds) *Biological and Molecular Approaches in Pest Management*. Scientific Publishers, Jodhpur, pp 249-311.
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2. Dhawan A K, Singh B, Brar M B and Arora R 2013 (eds). *Integrated Pest Management*, Scientific Publishers, Jodhpur, 749 pp.
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4. Arora R, Singh B and Dhawan A K 2012 (eds). *Theory and Practice of Integrated Pest Management*. Scientific Publishers, Jodhpur, 524 p.
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7. Dhaliwal G S and Arora R 2001. *Integrated Pest Management: Concepts and Approaches*. Kalyani Publishers, New Delhi, 427 pp.
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9. Dhaliwal G S and Arora R 1999 (eds). *Environmental Stress in Crop Plants.* Commonwealth Publishers, New Delhi, 315 pp.
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14. Dhaliwal G S, Randhawa N S, Arora R and Dhawan A K 1988 (Editors). *Ecological Agriculture and Sustainable Development.* Vol. 2. Indian Ecological Society, Ludhiana and Centre for Research in Rural and Industrial Development, Chandigarh, 716 pp.

23. **Details of patents and income generated:** N/A

24. Areas of consultancy and income generated:

Pest management (free consultancy to local farmers)
Climate change (free consultancy to local farmers)

25. Faculty selected nationally / internationally to visit other laboratories / institutions:-

One industry in India and abroad

26. Faculty serving in

National committees b) International committees c) Editorial Boards d) any other

- General Secretary (2012-2016), Indian Society for Advancement of Insect Science, Department of Entomology, PAU, Ludhiana
- Vice President (2014 -To date), Society of Pesticide Science India, Division of Agricultural Chemicals, IARI, New Delhi.
- Editor, Entomology Reporter (2010-2016), Department of Entomology, PAU, Ludhiana. Member, Editorial Board (2007- 2016), Indian Journal of Ecology, College of Agriculture, PAU, Ludhiana.
- Vice President (2003 - 2005), Indian Ecological Society, College of Agriculture, PAU, Ludhiana.

- Councilor (2002 -2005), Society of Plant Protection Sciences, IARI, New Delhi
- Editor in Chief (1996-2003), Indian Ecological Society, College of Agriculture, PAU, Ludhiana.

27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).**

S.No.	Topic	Name of expert	No. of beneficiaries
1.	Intellectual property right	Dr. Manoj Srivastava	250
2.	International conference on Public health (Central class)	Dr. Chauhan	150
3.	International conference on Human Values in higher education (Live)	Dr. Chakrovaroty	250
4.	Inclusive Education	Dr.Anamika Singh	Faculty and PG Students

28. **Student Projects** - In progress

29. Awards/ recognition received at the national and international level by

Faculty

Dr. Ramesh Arora

a) Guest-of-Honor at the International Conference on Insect Sciences, February 14-17, 2013, university of Agriculture Sciences, Bangalore.

b) Invited Lecture on Climate resilient nest management at Nat Symp on Veg legumes for soil & Human health, February 12-14,2016, IIVR, Varanasi.
c) Lead lecture on Bio-intensive IPM at the Nat Synp on Agrochem for Food & Env Safety, January 28-30,2015, IARI, New Delhi.
d) Invited lecture on Biointensive IPM at Nat Seminar on Reorientation of ASgric research to ensure Nat Food Security, January 6-7,2014, CCS HAU, Hisar.
e) Invited lecture on Ecologically based pest management for quality food production, icaR- Centre for Advanced Faculty training, CVS HAU. Hisar August 2015.
f) Invited lecture on climate resilient pest management at the ICAR- Centre for Advanced Faculty training CCS HAU, Hisar, November 6,2016.
g) Lead lecture on Pest Management at the Nat symp on Agrochemicals Soc of pesticide Sciences, IARI, New Delhi. November 8-9, 2016.

Doctoral/Post Doctoral Fellows- Doctoral Prog in the subject has not yet been started.

Students – N/A

30. Seminar/ Conferences/ Workshop Organized and the source of funding;

1.One conference is organized i.e Advances and food sciences and technology

2. One workshop (IPR) Intellectual Property Right

31. Following are the code of ethics for research of Zoology -Entomology department.

i. Honestly report data, results, methods and procedures, and publication status. Do not fabricate, falsify, or misrepresent data.

ii. Strive to avoid bias in experimental design, data analysis, data interpretation, peer review, personnel decisions, grant writing, expert testimony, and other aspects of research where objectivity is expected or required.

iii. Avoid careless errors and negligence; carefully and critically examine our own work and the work of our peers.

iv. Honor patents, copyrights, and other forms of intellectual property. Do not use unpublished data, methods, or results without permission.

v. Protect confidential communications, such as papers or grants submitted for publication, personnel records, trade or military secrets, and patient records.

vi. Help to educate, mentor, and advise students. Promote their welfare and allow them to make their own decisions.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	**Applications received**	**Selected**		**Pass percentage**	
		Male	Female	Male	Female
B.SC. Medical					100
M.Sc Zoology					100

33. Diversity of students

Name of the Programme (refer to question no. 4)	**% of students from the same university**	**% of students from other universities within the State**	**% of students From Universities outside the State**	**% of students from other countries**
B.SC. Medical	-	-	100	
M.Sc Zoology	-	90	10	

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise**.- Nil

35. **Student Progression**: Nil

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	-
From other universities within the State	One
From universities from other States from	Three
Universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:-

Name	University	Topic	Year
Dr. Priyanka Thakur	Dr. Y.S. Parmar UHF Nauni, Solan, H.P	Studies on Geographical variations among fruit flies in different regions of North India	2016

38. Present details of departmental infrastructural facilities with regard to

1 Library:- Centralized text books, Reference books, Journal: Adequate number of books given to students and faculty.
- Fully computerized network Wi-Fi with internet accessibility & also provides photocopying Facilities.
- Sufficient seating arrangement for scholars
- Equipped with latest National and International journals, E-journals, CD of books.
- Earn by you learn by students.

2 Total number of class rooms: Five

3 Class rooms with ICT facility Auditorium & Communication Lab. - Two

4 Students' laboratories - Two (One Zoology and Entomology Lab is established for the students with all facilities), One ICT Lab. Is established for the students with 30 PCs and GLOBERANA Software.

5 Research laboratories - One

Name of teacher	Laboratory
Dr. Priyanka Thakur	Insect rearing laboratory

39. List of doctoral, post-doctoral students and Research Associates

From the host institution/university - Nil

From other institutions/universities - Nil

40. Number of post graduate students getting financial assistance from the university

Number of students receiving financial assistance from government agencies: students belonging to Minorities groups receive scholarships from the State Government.

41. Was any need assessment exercise undertaken before the development of new programme (s)? If so, highlight the methodology.

For the development of new programme, we discuss course curriculum in the board of studies and after the recommendation of board of studies, Academic Council approves it then the programme is launched after approval from regulatory authorities.

42. **Does the department obtain feedback from –** Yes

Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?:-

Yes, evaluation was carried out on the bases of course curriculum. The feedbacks from different team of experts are compiled and incorporated in the course curriculum for the academic growth of the students.

Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :-

Yes, learning evaluation is carried out by teachers from time to time by conducting a surprise quiz verbally or by writing. Official sessional and semester exams are conducted twice in each semester. Teaching evaluation is carried by students at the end of each semester giving performance index to the faculties. Based on various feedback obtained from students, teachers improve the method of teaching by discussing with the students.

Alumni and employers on the programmes offered and how does the department utilize the feedback? :-

This programme started in 2016 thus No alumina

43. **List the distinguished alumni of the department (maximum 10):-** Presently not available

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:-

Department focuses on enriching the students with various activities. Invitation of expert faculties for giving lecture on different topics. With this, students develop more interest on particular subject with the valuable lectures given by experts. Students are also encouraged to participate in extracurricular activities like Sports, Technical festivals, Cultural festivals, Seminars, Talks, Mock Interviews, Extempore, Group Discussions etc.

45. List the teaching methods adopted by the faculty for different programmes:-

Lecture Method, Group Discussion, Internet, Power Point Presentation, Project based teaching method.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? :-

In order for the objectives to be met, class-wise course handout is made by the concerned faculty considering the number of working days. If the objectives are not met within the planned duration, extra classes are arranged so that none of the courses will be left undone. The learning outcomes are monitored by daily assessment of their comprehension through verbal quizzes, time to time surprise written quizzes and sessional and semester exams.

47. **Highlight the participation of students and faculty in extension activities:-**

Besides, teaching, three faculty members are engaged to participate in various extension work in the 5 villages adopted by Akal College of Agriculture.

48. Give details of "beyond syllabus scholarly activities" of the department:-

Department holds activities like, group discussion, stage dramas, stage decorations, others university visit etc.

49. **State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:-** N/A

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:-

Identify and manage the major pest problems of the local farmers of this remote area of HP

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

- Qualified and dedicated faculty with PhD.
- Fully equipped LAB for Experimentation and T-L
- Established Plant Health Clinic
- Department is committed to bring Projects from different agencies

Weaknesses:

- No sponsored research project and consequently lack of external funding.

Opportunities:

- To study and manage the major pest problems of the local farmers of this remote area of HP.

Challenges:

- Strengthening research facilities and developing linkages.

52. Future plans of the department.

i. Study the animal biodiversity with emphasis on arthropods, nematodes and birds in agro ecosystem as well as natural ecosystem.
ii. IPM of insect and non- insect pests of important crops of Sirmour district.
iii. Biological control of insect- pests utilizing avian predators and Entomopathogenic nematodes.
iv. Strengthen the research facilities in the Department through sponsored research.
v. Develop linkages with national and international organizations
vi. To start the M.Phil and Ph.D courses in Zoology /Entomology to strengthen the research and academics

EVALUATIVE REPORT DEPARTMENT OF AGRICULTURE

1. **Name of the Department** : Department of Agriculture

2. **Year of establishment**: 2014

3. **Is the Department part of a school/Faculty of the university** -
   Yes, Akal college of Agriculture

4. **Names of programmes offered**
   B.Sc Agriculture (Hons.)
   The following courses will commence from session 2017-18
   M.Sc. Horticulture
   M.Sc. Agronomy
   M.Sc. Genetics and Plant Breeding
   M.Sc. Plant Pathology

5. **Interdisciplinary programmes and departments involved**

Programme	Department involved
B.Sc. Agriculture	Biotechnology
	Economics
	Management
	Botany
	Mathematics
	Zoology
	English

6. **Courses in collaboration with other universities, industries, foreign institutions, etc –**

   PAU, Ludhiana, GBPUA&T, Pantnagar, NABI, Mohali, YSPUH&T, Nauni, CSKUAT, Palampur, IARI, Mew Delhi, Shoolni University, Soolan, JP University, Waknaghat,

7. **Details of programmes discontinued, if any, with reasons –** Nil

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
   Semester and Choice Based Credit System

9. **Participation of the department in the courses offered by other departments** - NA

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	**Filled**	**Actual (including CAS & MPS)**
Professor	05	04	
Associate Professors	03	01	
Asst. Professors	11	15	
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name of Faculty	Designation	Highest qualification & Specialization	Experience (Teaching / Research/Extension)
*Dr. H. S. Dhaliwal	Professor / Vice Chancellor	Ph.D., PDF, Genetics and Plant Breeding	40 years
Dr. B. S. Boparai	Professor/ Dean	Ph.D., Agronomy	38 years
Ramesh Arora	Professor	Ph.D Entomoloty	38 years
*Dr. Rahul Kumar	Associate Professor	Ph.D., Genetics and Plant Breeding	10 years
*Dr. Nasib Singh	Assistant Professor	Ph.D., PDF, Microbiology	7 years
*Dr. Vivek Sharma	Assistant Professor	Ph.D., Botany	6 Years
*Dr. Vinod Sangwan	Assistant Professor	Ph.D., Biochemistry	4 Years
*Dr. Pritesh Vyas	Assistant Professor	Ph.D., Plant Biotechnology	6 years
*Dr. A.N. Yadav	Assistant Professor	Ph.D., Microbial Biotechnology	1 Year 5 months
*Dr. Neelam Thakur	Assistant Professor	Ph.D., Zoology	5 year
Dr. Babita Khachi	Assistant Professor	Ph.D., Horticulture	2 years
Dr. Sushma Sharma	Assistant Professor	Ph.D., Plant Pathology	2 years
*Dr. Krishan Kumar	Assistant Professor	Ph.D., Food Technology	11 year 5 month
Dr. Harish Kumar	Assistant Professor	Ph.D., Dairy Technology	9 month
*Dr. Punesh Sangwan	Assistant Professor	Ph.D., Plant Biochemistry	1 year 10 months
Dr. Santosh Bhatt	Assistant Professor	Ph.D., Soil Science	6 Months
Dr. Naram Ramu	Assistant Professor	Ph.D., Agronomy	3 year and 6 months
*Mr. Shiv Kumar	Assistant Professor	Ph.D., Food Technology, (Pursuing)	1 Month
*Dr. Priyanka Thakur	Assistant Professor	Ph.D., Entomology	1 year
*Er. Rajesh Kumar	Assistant Professor	M. Tech., Food Engineering	8 month
*Mrs. Sony	Assistant Professor	M.Sc., Food and Nutrition	3 year 5 month
*Dr. B.S.Sohal	Professor/ Dean	Ph.D. Biochemistry	35 years
*Dr. Priyanka Yadav	Assistant Professor	Ph.D., Microbiology	6 month
*Dr. Punesh Sangwan	Assistant Professor	Ph.D. Biochemistry	2.5 year
*Dr. Surjan Singh	Assistant Professor	Ph.D., Math	11 year
*Er. Kuldeep Singh	Assistant Professor	M.Tech., Mechanical	4 year
*Er. Karambir kaur	Assistant Professor	M.Tech., Computer Science	1 year
*Dr. Sunil Kumar	Assistant Professor	Ph.D Renewable energy	1 year
*Dr. Jai Kumar	Assistant Professor	Ph.D Commerce	1 year
*Ms. Kamla Mehta	Assistant Professor	Ph.D Economics (Pursuing)	1 year

*Faculty is associated with other Department to fulfill requirement of interdisciplinary subjects

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors –

Prof. Khem Singh Gill, PAU Ludhiana

Prof. Vikram S. Gill, Kansas State University, Kansas

13. **Percentage of classes taken by temporary faculty – programme-wise information** – N/A

14. Programme-wise Student Teacher Ratio

- The college follows the UGC norm of 27:1student teacher ratio. Nevertheless this varies depending on the actual admissions done in a particular academic year.

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual –

Staff	Number
Field Assistant	one
Lab Assistant	one
Driver	one
Mali	6

16. Research thrust areas as recognized by major funding agencies
Field and Horticulture Crop Improvement

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.-** NA

18. **Inter-institutional collaborative projects and associated grants received** - 03
   a) National collaboration
      PAU, Ludhiana, ARI, Pune, IARI, New Delhi, GBPUA&T, Pantnagar, IIT, Roorkee
   b) International collaboration

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.** – NA

20. Research facility / centre with
- State recognition

(a) The College has established well equipped Crop Research Centre in July 2014. This centre aims to expose students to various areas in Agriculture and enhance the productivity of sirmour district of HP.

(b) The college has developed well equipped dairy farm with six cows in the campus.

21. **Special research laboratories sponsored by / created by industry or corporate bodies** – One

22. Publications:

Name	Research Publication International	Research Publication National	Paper in E-journal	Books Published	Chapter to Edited Books	Seminar/ Conference Presentations	Monographs	Citation of Works	Impact Factor	H-Index
Dr.B.S. Boparai	03	21	-	-	-	80	04	24	-	-
Dr.Sushma Sharma	05	06	-	-	05	07	-	20	05	-
Dr. Babita Khachi	05	01	-	-	-	04	01	05	-	02
Dr. Naram Ramu	-	04	-	-	-	05	-	-	-	-
Dr. S.C.Bhatt	02	05	-	-	--	-	-	-	.529	01
Dr. Bhuprendra Kherayat	05	03	09	03	09	09	01	25	2.0	06

Dr. BS Boparai

- Boparai. B.S (1978) , Effect of pre and post-harvest application of brine solution on paddy. Food Farming & Agri 9:231:234
- Boparai. B.S, (1980)Effect of fertilizer levels on the biochemical changes and yield of groundnut Food Farming & Agri. 13:56-58
- Boparai. B.S, March (1977), Response of groundnut to harvesting times, Journal of Oil Technologists Association of India 7:54-57.
- Boparai. B.S, (1984) , Reaction of promising Basmati varieties of rice to leaf folder and white backed plant hopper under different levels of nitrogen Indian Journal of ecology,2:287-290
- Boparai. B.S , (1987) ,Reaction of rice varieties to white backed plant hopper and rice leaf folder under different dates of transplanting , Abstract, First Symposium on crop improvement.23-27 Feb:93
- Boparai. B.S, (1991) Chemical control of small canary grass (Phalaris minor) and broad leaf, weeds in wheat (Tritium Aestivum) Indian J. Of Agronomy. 36:198-201
- Boparai. B.S, (1992), Effect of green manuring with Sesbania aculeate on physical properties of soil and on growth of wheat in rice-wheat and maize-wheat cropping system in semiarid region of India, Arid Soil Research Rehabilitation, Vol. 6:135-143
- Boparai. B.S, (1992),Weed control efficacy of tridiphane and fluroxypyr in transplanted rice (Oryza sativa), Indian journal of Agronomy, 37:573-575
- Boparai. B.S, (1992), Effect of green manure with (Sesbania aculeate) on physical properties of sol and growth of wheat in rice-wheat and maize-wheat cropping system. International Agro-Physics, 6:95-101
- Boparai. B.S, (2002), Integrated Management of Phalaris minor for sustainable wheat production. Abstract, National Symposium on Agriculture in changing Global Scenario, Feb 21-23:433
- Boparai. B.S, (2003) Effect of sowing methods at time of first irrigation on the growth and yield of toria , Indian Journal of Oil Seed Res 5:43-46.
- Boparai. B.S, (1976), Effect of pre and post- harvest application of common salt on paddy paer presented at theXIV Annual convention of India Society of AgricultureEngineers, Hyderabad on Jan 16-18.
- Boparai. B.S,(1984), Comparison of different crop geometries in relation to crop stand and yield of wheat, Paper presented at 23rd All India Wheat Res. Workers Workshop held at C.S. Azad Univ. Of Agri. & Technology, Kanpur on August 25-29.
- Boparai. B.S,(1985) Possibilities of growing maize-wheat and potatoes without tillage in Punjab presented at the 10th International Soil Tillage Research Organization Conference at Guelph, Canada Feb 20-23.
- Boparai. B.S, Study on smoothing of weed through genotype plant geometry and Fertilizer management , Paper presentation at 25th All India Wheat Res. Workers Workshop held at IARI, New Delhi, August 20-24.
- Boparai. B.S , (1987), Reaction of rice varieties to white backed plant hopper and rice leaf folder under different dates of transplanting Paper presented at 1st Symposium on crop improvement held at PAU, Ludhiana on Feb. 23-27.
- Boparai. B.S, (1989), Production Technologies in rice Paper presented at National seminar-cum-Workshop Rice Production technology held at PAU, Ludhiana August 20-23.
- Boparai. B.S, (1997), Magnese deficiency in wheat crop, Paper presented at National Seminar on development in Soi Science, Indian Soc. Of Soil Science, Calcutta on October 18.
- Boparai. B.S, (2004), Efficiency of clodionofop against isoproturon resistance P. Minor in

relation to cultivate and spacing, Paper presented in Indian Soc. of Weed Sci. Conf. Held at GBPUAT Pantnagar on March12.

Dr. Sushma Sharma

- Sharma S, Dohroo N P, Phurailatpam S and Thakur N.2016. Effect of curing and management of storage rot of ginger. Australasian Plant Disease Notes [ISSN: 1833-928X;Springer] (Accepted)(NAAS:6.95, IF-1.096)
- Sharma S and Sunita C.2016. Disease status and combined effect of biological control and organic amendments in managing stem rot disease of carnation caused by Rhizoctoniasolani, Journal of Applied and Natural Science. 8 (3): 1680 – 1684.(NAAS-5.08)
- Sharma S and Chandel S.2013.Biological control of stem rot disease of carnation caused by (Rhizoctoniasolani Kuhn).Journal of Biological Control.27(3):221-224.(NAAS-5.34)
- Sharma S and Chandel S. 2013. Management of stem rot (Rhizoctoniasolani) of carnation by fungicides. Journal of Mycology and Plant Pathology. 43(2):187-189.(NAAS-5.79)
- Sushma S, Sunita C, Ramal k and Himankshi T.2015. Molecular characterization of native Trichoderma harzianum sp. and evaluation of different biocontrol agents under in vitro and in vivo conditions against stem rot and wilt disease of carnation.International Journal of Innovative research and development.4(12).(IF:0.46)
- Chandel S and Sharma S.2014. Botanicals, biofumigants and antagonists application in managing stem rot disease caused (Rhizoctoniasolani) in carnation. Journal of Biopesticides 7(1):3-10.(NAAS-4.83)
- Phurailatpam S, Devi T and Sharma S.2014. Management of stem rot of rice using fungicides and biocontrol agents. Indian Journal of Plant Protection 42:64-67.(NAAS-5.07)
- Phurailatpam S, Devi T and Sharma S.2014.Present scenario of stem rot of rice.Trends in Biosciences.7:26-28.(NAAS-3.94)
- Prasad D, Ram V, Sharma I M and Sharma S.2011.Antifungal activity of essential oils and Plant extract against Corticiumsalmonicolor the incitant of pink canker in apple. Indian Phytopathology.67 (3).(NAAS-5.90)
- Rana S, Sharma R, Kaur M and Sharma S.2014. Isolation, identification and phenotypic characterization of Fluorescent Pseudomonas sp. Isolated from the replant site of apple and pear orchards. Trends in Biosciences. 7(1):13-17.(NAAS-3.94)
- Sharma S, Dohroo N P and Shanmugam V. 2016. Studies on Genetic diversity and integrated disease management of Storage rot of ginger (Fusariumoxysporum f. sp. zingiberi) in Himachal Pradesh, India.Journal of Phytopathology, (manuscript, PP-16-342). [ISSN: 1365-3059; Wiley online library](IF-0.91; NAAS-7.00).
- Phurailatpam S, Sharma J N, Brakta A, Sharma S and Sharma S.2016. Morphological and molecular characterization of Marssonina coronaria causing premature leaf fall of apple in India. Proceedings of the National Academy of Sciences, India Section B: Biological Sciences.(ID: NASB-D-16-00594) [ISSN: 0369-8211X;Springer](IF-0.396, NAAS-6.00)
- 13) Prachi Sharma, Neelam Kaushik, Sushma Sharma, Vinod Kumar*.2016.Isolation, Screening, Characterization and Optimization of Xylanase Production from ThermostableAlkalophillicFusarium sp. XPF5. Journal of Biochemical Technology(IF:0.983)

Dr. Babita Khachi

Research papers

- Babita Khachi, Som Dev Sharma, Vikas Kumar Sharma, Ghumare Vikas and Angel View N. Marak 2016. Assessing organic nutrition sources for sustainable soil health of kiwi fruit orchard. Indian Journal of Ecology 43(2): 519-524.
- Babita Khachi, Som Dev Sharma, Ghumare Vikas, Pramod Kumar and Muzaffar Mir. 2015. Study on comparative efficacy of bio-organic nutrients on plant growth, leaf nutrient contents and fruit quality attributes of kiwi fruit.Journal of Applied and Natural Science 7(1): 175-181.
- G I Hassan, M Mir, B Khachi and S Salathia. 2015. Effect of calcium and boron spray on reproductive performance on sweet cherry (cv. Bigarreau Noir Grossa) International Journal of Farm Sciences 5(1):
- V S Ghumare, B V Padhiar, D S Kachawaya, B Khachi, P Bhalerao and A G Yewale. 2014. Effect of micronutrient spray on yield and quality parameters of sapota cv. Kalipatti. Bioinfolet, 1:
- A V N Mark, C S Tomar, D D Sharma, V S Ghumare, B Khachi and D S Kachawaya. 2014. Studies on effect of mulches and herbicides on growth, yield and quality of pecannut (Carya illinoensis Koch.) Green Farming, 5(4):
- V S Ghumare, B V Padhiar, D S Kachawaya and B Khachi. 2013. Study of micronutrient sprays on physiological parameters and leaf nutrient status of sapota cv. Kalipatti. The Asian Journal of Horticulture, 8(2): 612-615.

- S Sarvade, R Singh, V Ghumare, D S Kachawaya and B Khachi.2014. Agroforestry: An approach for food security. Indian Journal of Ecology, 41(1): 95-98.

- Vikas Ghumare, Nikhil Sharma, Omkar Gavkare, B Khachi and K Dilip Singh. 2014. Biopesticides-for future. Journal of Industrial Pollution Control 30(2): 203-205.

- Vikas Ghumare, Manisha Rana, Omkar Gavkare and B Khachi . 2014. Bio fertilizers- increasing soil fertility and crop productivity. Journal of Industrial Pollution Control 30(2): 196-201.

- D S Kachawaya, J S Chandel, V Ghumare and B Khachi. 2016. Effect of drip and furrow irrigation on yield and physiological performance of Strawberry (Fragariax ananassa Duch.) CV. Chandler. Indian Journal of Plant Physiology, 21(3): 95-98.

Bulletins

- S Watpade, A K Shukla, K K Pramanick, Y P Sharma, D Pal, M Patial, B Khachi, Dhiren and J Kumar, (eds.). 2014. Commercial cultivation of apple in Himachal Pradesh-Guidelines. Indian Agricultural Research Institute, Regional Station (Cereal and Horticultural Crops), Amartara Cottage, Shimla

23. Details of patents and income generated

The crop and milk production in crop research centre and dairy farm supplied to the local market to generate the income.

24. Areas of consultancy and income generated

- Plant and Soil health clinic established in the Department provides the free consultancy to solve the problems of local farmers.

25. Faculty selected nationally / internationally to visit other laboratories / institutions

a. Industries in India and abroad –NA

26. Faculty serving in

- National committees b) International committees c) Editorial Boards d) any other:

  The University faculty staff is preparing to get nomination in any of the above committees.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs). – Refresher courses / Workshops, Training program

The faculties are involved in project works funded by DST, ASRB. They also participate in conferences and workshops organized by the university.

28. Student projects – Nine projects given to M.Sc. Biotechnology Students

- Percentage of students who have done in-house projects including inter departmental projects -40% collaborative
- Percentage of students doing projects in collaboration with other universities /industry / institute – 20% Collaborative with PAU, Ludhiana, IHBT, Palampur

29. Awards / recognitions received at the national and international level by:

- Faculty - Nil.
- Doctoral / post-doctoral fellows- Dr. Sushma Sharma got Post-Doctoral Fellowship from DST
- Students - Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any.

Workshop organized by Food Technology department Advances in Food Science & Technology.

31. Code of ethics for research followed by the departments

Research should be relevant, need based and conducted with total commitment and passion for finding truth and answer to unanswered questions for improving the quality of life.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	**Applications received**	**Selected**		**Pass percentage**	
		Male	Female	Male	Female
B.Sc. Agriculture					
2016-17	100	-	60	-	70
2015-16	90	-	60	-	65
2014-15	35	-	31	-	100

33. Diversity of students - NA

Name of the Programme (refer to question no. 4)	**% of students from the same university**	**% of students from other universities within the State**	**% of students from universities outside the State**	**% of students from other countries**
B.Sc Agriculture				
2016-17	30	25	35	nil
2015-16	25	20	30	nil
2014-15	15	10	30	nil

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.** – Nil

35. Student progression – Not applicable as on date

Student progression	**Percentage against enrolled**
UG to PG	First B.Sc. Agri batch will pass out in 2018
PG to M.Phil.	-
Pg. to Ph.D.	-
Ph.D. to Post Doctorate	-
Employed	
Campus selection	-
Other than campus recruitment	-

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	**Nil**
From other universities within the State	**33%**
From universities from other States from	**67%**
Universities outside the country	**Nil**

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period** - Nil

38. Present details of departmental infrastructural facilities with regard to

a) A central Library facilities is available.

b) Internet Facilities for staff and students: The College has full-fledged wired as well Wi-Fi facility for Internet.

c) Classrooms with ICT facilities: Two classrooms are fully equipped with projector and Internet facility.

d) Laboratory: College has three Computer labs with more than 90 computers. There are three labs for UG students for practical works and two labs for research works

39. List of doctoral, post-doctoral students and Research Associates

a. From the host institution/university - Nil

b. From other institutions/universities - Nil

40. Number of post graduate students getting financial assistance from the university.

Number of students receiving financial assistance from government agencies: students belonging to Minorities groups receive scholarships from the State Government.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, the departmental faculty members submit their contents and assessment is done through of board of studies. Than it is submitted to academic council for final approval.

42. Does the department obtain feedback from:

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - No

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? - Yes

c) Alumni and employers on the programmes offered and how does the department utilize the feedback? - NA

43. **List the distinguished alumni of the department (maximum 10)** - NA

44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.** - NA

45. List the teaching methods adopted by the faculty for different programmes.

1) We conduct interactive classroom sessions to stimulate the interest and enhance the

learning of the students.

2) Academically weak students are identified and remedial classes are arranged by the respective course teachers.
3) Various interdisciplinary lectures and workshops are organized to familiarize students with the various potentialities of the field.
4) We persuade the students to fill the Feedback form to strengthen the quality of teaching learning environment and to look for opportunities to improve teacher's performance in classroom and engagement with students to bring excellence in teaching and learning.
5) We arrange special lectures for the students by faculty members of different departments of our college.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Through Sessional and final examinations
- Through seminars of students
- For doctoral students, there is a provision of comprehensive written exam based on all studied courses followed by oral viva in front of competent external subject expert and all committee members
- Encouraging students to participate in research, publishing their research activities and presenting their work in conferences
- Monitoring and feedback

47. Highlight the participation of students and faculty in extension activities.

- The faculty members of the department are involved in various committees of the college such as Time Table committee, Purchase, Stock Disposal to Stock Verification Committee and I.T. Infrastructure Committee to name a few.
- The students of the Department of Mathematics are actively engaged in NSS, Sports Club, Placement Cell, Innovation Projects, Cultural Activities and other departmental activities.
- Apart from organizing the educational events like workshops, lectures and seminars for the students, the Department also organizes events which led to the overall development of students:

48. Give details of "beyond syllabus scholarly activities" of the department.

I. a) Debate Competition
(b) One day workshop on IPR. The speakers were:- Dr. Manoj Srivastava.

(a) An educational trip to Kisan Mela, and YSPUH&F, Nauni
(b) Inter College Competitions- Hindi Kavya Paath, Manas Paath , Debate on the Topic- PUSTAK PADHNA VIVASHTA HAI, Film Sameeksha
(c) Organized a Kisan mela 13-14 April, 2016

(d) Educational Trip to PAU, Ludhiana.

(e) An Educational Trip to CSKUA, Palampur centre, Dhaulakua

II. Annual College Magazine to encourage the creativity of the students related.

III. Computer teaching for students.

49. **State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. –** Accredited by ICAR

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Teaching methods adopted to improve student learning and extension activities: Besides traditional methods of black board-chalk, there has been several extra classes held to sort out problems.
- Discussions and debates are encouraged in the classrooms.
- Students were encouraged to give their projects in PPT form.
- Special classes were held for teaching Computer & Typing.
- Field Visit
- Visit to Industries
- Agricultural Market visit
- Visit to research farm of the institute

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

- Experienced, competent, hardworking faculty members.
- Innovative and creative young faculty in the field of agriculture.
- Co-operation among faculty members.
- Well-equipped Crop research center
- Well equipped with six cows dairy farm

Weakness

- More number of separate room for the Department.
- More number of separate labs for the Department.
- Requirement of establishment of farmers training center.
- Requirement of establishment of extension center of the Department
- Requirement of establishment meteorological center

Opportunities

- Newly appointed faculty members with specialization in agricultural field along with the expertise and guidance of the senior faculty members will give a new direction to the department as department is offering PG courses in future.
- With the help of new technological aids like virtual classrooms and internet facilities will be able to enhance the students' performance in academics and other areas of interest.

Challenges

- To develop and increase the interest and critical & analytical approach towards the subject in the students
- To motivate the students to be a responsible member of the society and a better human being
- Improvement in the students intake

52. Future plans of the department.

Future Plans

1) To start new six Master's program in Agriculture (Genetics and Plant Breeding Agronomy, Horticulture, Plant Pathology, Entomology)
2) To start new innovative projects with financial help from UGC or any other funding agency
3) To ensure student-teacher interaction increases
4) Special attention to be paid to the weaker students
5) Increasing Inter-disciplinary activities

EVALUATIVE REPORT OF THE DEPARTMENT OF CHEMISTRY

1. **Name of the Department :** Department of Chemistry

2. **Year of establishment :** 2010

3. **Is the Department part of a School/Faculty of the university?**

   Yes, Akal College of Basic Sciences

4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**
   a. B.Sc. Medical
   b. B.Sc. Non-medical
   c. B.Sc.(H) Chemistry
   d. M.Sc. Chemistry
   e. Ph.D. Chemistry

5. **Interdisciplinary programmes and departments involved:**
   5.1. Applied Chemistry in B.Tech., Department of ECE
   5.2. Applied Chemistry in B.Tech., Department of CSE
   5.3. Applied Chemistry in B.Tech., Department of EEE
   5.4. Chemistry courses in B.Sc. (Hons.), Department of Physics
   5.5. Chemistry courses in B.Sc. (Hons.), Department of Maths
   5.6. Chemistry courses in B.Sc. (Hons.), Department of Microbiology

6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :**
   GVK Bio Sciences Hyderabad

7. **Details of programmes discontinued, if any, with reasons: N/A**

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System :**

   Semester System of Examination following Choice Based Credit System

9. **Participation of the department in the courses offered by other departments:**

   The Department of Chemistry takes the Applied Chemistry course in B.Tech. (ECE/CSE/EEE)

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	**Filled**	**Actual**
Professors	-	-	-
Associate Professors	1	1	1

Assistant Professors	2	2	2
Others (Teaching Assistant)	3	3	3

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Sl No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. Students guided for the last 4 years
1	Dr. Karan Singh	Ph.D.	Associate Professor	Organic Chemistry	17 years	3 (Continuing)
2	Dr. Kamal Kishore	Ph.D.	Assistant Professor	Physical Chemistry	9 years	4 M.Sc. Students (Continuing)
3	Dr. Manpreet Singh	Ph.D.	Assistant Professor	Organic Chemistry	3 years	2 M.Sc. Students (Continuing)
4	Ms. Renu Bala	M.Sc.	Teaching Assistant	Organic Chemistry	3 Years	NIL
5	Ms. Poonam Kumari	M.Sc.	Teaching Assistant	Inorganic Chemistry	1 Year	NIL
6	Mr Sumit Sood	M.Sc.	Teaching Assistant	Organic Chemistry	8 months	NIL

12. List of Senior Visiting Fellows, adjunct faculty, emeritus professors:

1. Prof. N K Ralhan
2. Prof. Gurdeep Singh
3. Dr .Manoj Srivastava ,PPV &FRA –ICAR Delhi

13. P**ercentage of classes taken by temporary faculty – programme - wise information**:

Name	Programme	%age of Lectures delivered	%age of Practical classes
Ms. Renu Bala	B.Sc. (M & NM)	20%	30%
Ms. Poonam Kumari	B.Sc. (M & NM)	20%	30%
Mr Sumit Sood	B.Sc. (M & NM)	20%	30%

14. Programme-wise Student Teacher Ratio

Programme	Students	Faculty	Ratio
B.Sc. (Medical & Non-Medical)	45	5	9:1
B.Sc. (Hons.)	3	3	1:1
M.Sc. Chemistry	9	3	3:1

15. Number of Academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Academic support staff (technical) and administrative staff is at University level and give their best services when needed in the respective department.

16. Research thrust areas as recognized by major funding agencies.

1. Medicinal Chemistry
2. Green Chemistry
3. Nanotechnology

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

- One project submitted to CSIR for funding
- Two more submitted to SCSTE, Shimla for funding
- Awaiting for response of the funding agencies

18. **Inter-institutional collaborative projects and associated grants received.** :

a) National collaboration **b) International collaboration**

The department will plan to collaborate National and International in coming years.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name	Name of the Project	Amount
Dr. Manpreet Singh	Synthesis of materials having high magnetic values applicable for lower microwave frequencies region/ Fellowship during Ph.D.	9.5 lacs DRDO funded project (2012-2015) (Completed)

20. Research facility / centre with

- State recognition : NIL
- National recognition: DRDO Ministry of Defense Govt of India
- International recognition: NIL

21. **Special research laboratories sponsored by / created by industry or corporate bodies:** Initiate will be taken by the department in this regard.

22. Publications:

- Number of papers published in peer reviewed journals (national / international) : 29
- Monographs – nil
- Chapters in Books – nil
- Edited Books – 5
- Books with ISBN with details of publishers – 01

Name of the Book/author/ publisher	ISBN	Year
CSIR-UGC NET (CHEMICAL SCIENCES) Authors:Yogesh Kumar Walia, D.K. Gupta and Sharma Kamal Kishore Publisher: Satya Prakashan	ISBN : 81-7684-775-5	2014

- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 29
- Citation Index – 75
- SNIP
- SJR
- Impact Factor – 4.081 to 8.455
- h-index – 3

List of publications:

Name of Faculty	Research Publication(s)/ Titles	Authors	National/ International	Journal	Publisher /ISSNNo./ Int.database
Dr. Karan Singh	Synthesis and characterization of some novel 4-formyl pyrazolylthiazoles of potential medicinal interest using Vilsmeier-Haack reaction	Pawan K Sharma, **Karan Singh**, S N Dhawan& S P Singh	National	Indian J Chem	NISCAIR-CSIR, India/ ISSN: 0376-4710 (Print)
Dr. Karan Singh	Vilsmeier-Haack reaction on hydrazones: a	**Karan Singh,** Suman Ralhan,	Inter-national	J Chem Res	Science Reviews Ltd./ISSN: 17475198

	convenient synthesis of 4-formylpyrazoles.	Pawan K Sharma & S N Dhawan			
Dr. Karan Singh	Synthesis and characterization of some novel indeno[1,2-c]pyrazoles.	**Karan Singh,** Pawan K Sharma, S N Dhawan& S P Singh.	Inter-national	J Chem Res	Science Reviews Ltd./ISSN: 17475198
Dr. Karan Singh	Synthesis and anti-inflammatory evaluation of some pyrazolo[3,4-b]pyridines.	Pawan K. Sharma, **Karan Singh**, Surender Kumar, Pawan Kumar, S. N. Dhawan, Sukhbir Lal, Holger Ulbrich and Gerd Dannhardt.	Inter-national	Medicinal Chemistry Research.	Springer US/ISSN: 1054-2523 (Print)
Dr. Karan Singh	Synthesis, characterization and antimicrobial study of some benzenesulfonamide based bipyrazoles	**Karan Singh** and Pawan K Sharma	National	International Journal of Pharmacy and Pharmaceutical Sciences	Innovare Academic Sciences Pvt. Ltd/ **ISSN 0975 - 1491**
Dr. Karan Singh	Synthesis, characterization and antimicrobial study of some novel fluorine based 2-aminothiazoles	**Karan Singh** and Pawan K Sharma	National	International Journal of Pharmacy and Pharmaceutical Sciences	Innovare Academic Sciences Pvt. Ltd/ **ISSN 0975 - 1491**
Dr. Karan Singh	Application of indan-1,3-dione in heterocyclic synthesis	**Karan Singh**	Inter-national	Curr. Org. Syn	Bentham Science/ **ISSN: 1570-1794 (Print)**
Dr. Karan Singh	Microbial and Non-microbial Pyrogens in Healthcare Products: Risks, Quality Control and Regulatory Aspects.	Nasib Singh, Tanuja Mishra, Karan Singh, Joginder Singh	Inter-national	Applied Clinical Research, Clinical Trials and Regulatory Affairs	Bentham Science/ **ISSN: 2213-4778 (Online)**
Dr. Karan Singh	Toxicity, monitoring and biodegradation of the fungicide carbendazim Toxicity, monitoring and biodegradation of the fungicide carbendazim	Simranjeet Singh, Nasib Singh, Vijay Kumar, ShivikaDatta, Abdul BasitWani, Damnita Singh, **Karan Singh**, Joginder Singh	Inter-national	Environmental Chemistry Letters	Springer International Publishing/ ISSN: 1610-3653 (print version)
Dr. Karan Singh	Iodine Mediated Synthesis of Thiabendazole Derivatives and Their Antimicrobial Evaluation.	SumitSood, RenuBala, Vinod Kumar and **Karan Singh**	Inter-national	CurrBioact Compd	Bentham Science/ **ISSN: 1573-4072 (Print)**
Dr. Manpreet Singh	Synthesis, characterization, scale-up and catalytic behaviour of Co_3O_4 nanoparticles	Manpreet Singh, N.K. Ralhan, Sukhdeep Singh	National	Bulletin of Materials Science	Indian Academy of Sciences/ ISSN: 0250-4707 (print version) ISSN: 0973-7669 (electronic version)
Dr. Manpreet Singh	Hydrothermal synthesis of $NiFe_2O_4$, $Ni_{0.6}Zn_{0.4}Fe_2O_4$ and $Ni_{0.6}Zn_{0.4}Fe_2O_4/SrFe_2O_4$: nanostructure, magnetic	Sukhdeep Singh , Manpreet Singh, R.K. Kotnala, KC Verma	National	Indian Journal of Pure & Applied Physics	CSIR-NISCAIR/ ISSN: 0975-1041 (Online) ISSN: 0019-5596 (Print)

	and dielectric properties				
Dr. Manpreet Singh	Ferromagnetic and Dielectric Properties of $Ni_{1-x}Zn_x Fe_2O_4$ Nanoparticles Prepared via Chemical Combustion Route	Sukhdeep Singh, Manpreet Singh, N.K. Ralhan, R.K. Kotnala, K.C. Verma	Internatio nal	Advanced Science, Engineering and Medicine	American Scientific/ ISSN: 2164-6627 (print); EISSN: 2164-6635 (online)
Dr. Manpreet Singh	Improvement in ferromagnetism of $NiFe_2O_4$ nanoparticles with Zn doping	Sukhdeep Singh, Manpreet Singh, N.K. Ralhan, R.K. Kotnala, K.C. Verma	Internatio nal	Adv Mater Lett	VBRI Press/09763961, 0976397X
Dr. Kamal Kishore	Acoustic measurements and compressibility behaviour of terbium myristate in benzene-methanol mixture	Kamal Kishore, S.K. Upadhyaya and Yogesh Walia.	Internati onal	Internationa l Journal of Theoretical & Applied Sciences	ISSN No: 0975-1718, Online: 2249-3247
Dr. Kamal Kishore	Physico-chemical analysis of ceibapentendra (Kapok)	Yogesh Kumar Walia, Kamal Kishore, Dheeraj Vasu and D.K. Gupta	Internati onal	Internationa l Journal of Theoretical & Applied Sciences	ISSN No: 0975-1718, Online: 2249-3247
Dr. Kamal Kishore	Studies on acoustic and thermodynamic behaviour of terbium laurate and myristate in mixed organic solvents	Kamal Kishore and S. K. Upadhyaya	Internati onal	Tenside Surfactants Detergents	HANSER, German Chemical Society
Dr. Kamal Kishore	Investigation into the conductance, micellization and dissociation behaviour of Terbium caprylate and caprate in mixed organic solvent	Kamal Kishore and S. K. Upadhyaya	Internati onal	Portugaliae Electrochi micaActa	ISSN: 1647-1571
Dr. Kamal Kishore	Acoustic behaviour of terbium laurate and myristate solutions in 60/40 benzene-methanol	Kamal Kishore and S. K. Upadhyaya	National	Journal of pure & Applied Ultrasonics	ISSN: 0256-4637
Dr. Kamal Kishore	Conductometric studies on Terbium soaps	Kamal Kishore and S.K Upadhyaya	Internati onal	Portugaliae Electrochi micaActa	ISSN: 1647-1571
Dr. Kamal Kishore	Infrared Absorption Spectra, X-rays Diffraction Studies and Thermal Behavior of Cerium and Thorium Laurate	Anushri Gupta, S. K. Upadhyaya and Kamal Kishore	Internati onal	Internationa l Journal of Theoretical & Applied Sciences	ISSN No: 0975-1718, Online: 2249-3247
Dr. Kamal Kishore	Acoustical studies on terbium Laurate in 60/40 benzene-methanol (v/v) mixture	Kamal Kishore and S. K. Upadhyaya	National	Journal of Indian Council of Chemists	ISSN No:0971-5037
Dr. Kamal Kishore	Viscosity measurements of Terbium Octanoate in mixed organic solvent	Kamal Kishore, S.K. Upadhyaya, Anushri Gupta and Nandita Thakur	National	Asian J. of Adv. Basic Sci.	ISSN: 2347-4114
Dr. Kamal Kishore	Acoustical behavior of Cerium & Thorium Palmitate in non-aqueous binary mixture.	S. K. Upadhyaya , Anushri Gupta and **Kamal Kishore**	National	Asian J. of Adv. Basic Sci.	ISSN: 2347-4114
Dr. Kamal Kishore	Determination of critical micellar concentration &	**Kamal Kishore**, S.K. Upadhyaya	National	Asian J. of Adv. Basic	ISSN: 2347-4114

	study molecular interactions of Terbium Decanoate in non-aqueous binary mixture	and Nandita Thakur		Sci.	
Dr. Kamal Kishore	Infra-Red Absorption Spectra, X-Ray Diffraction Studies and Thermal Behavior of Samarium Laurate and Myristate.	DarshanaRodric, S. K. Upadhyaya and Kamal Kishore	National	Asian J. of Adv. Basic Sci.	ISSN: 2347-4114
Dr. Kamal Kishore	The Effect of Elevated Ca^{2+} Concentrations on Cadmium-Induced Acceleration of Leaf Senescence	Nandita Thakur, Shanti S. Sharma and Kamal Kishore	National	J. Biol.Chem. Chron.	ISSN: 2454-7476
Dr. Kamal Kishore	IR, X-Ray Diffraction and Thermo-gravimetric Analysis of Terbium Laurate	**Kamal Kishore,** Nandita Thakur and S. K. Upadhyaya	National	National	ISSN: 2454-7476
Dr. Kamal Kishore	Leaf senescence: an overview	Nandita Thakur, Vivek Sharma, Kamal Kishore	Internatio nal	Indian Journal of Plant Physiology	ISSN: 0974-0252 (electronic version)

23. **Details of patents and income generated** : **Nil**

24. Areas of consultancy and income generated:
Organizes discussion & make presentation to the students/parents for building interest in science education.

25. **Faculty selected nationally / internationally to visit other laboratories / institutions /industries in India and abroad : NA**

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other

Dr. Karan Singh	Life time Member of the Indian Science Congress Association (INDIA) (Membership No. L29124)
Dr. Kamal Kishore	Editorial Board Member in Journals viz. 1. Open research journal of physical chemistry. 2. International journal of mechanical engineering. 3. World open research journal of chemistry. 4. International journal of emerging technology. 5. Continental journal of applied sciences. 6. Associate editor in Asian journal of advanced basic sciences. 7. Associate editor in International Journal of Theoretical and Applied Sciences.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name of Faculty	Award/Recognition	Year
Dr. Manpreet Singh	DRDO Fellowship during Ph.D.	(2012-2015)
	Participated in Intellectual Property Rights: Issues and Challenges organized at Eternal University	March 14, 2017
	Participated in 5th National Conference on Chemical Sciences: Emerging Scenario & Global Challenges at Arya Post Graduate College, Panipat, Haryana,	March 26, 2016
	Participated in Int. Conf. on Renewable Energy at Eternal University	May 5-6, 2012
	Participated in Int. Conf. on Recent Advances in Electronics & Computer Engineering at Eternal University	December 17-18, 2011
	Participated in CIHW, H.P.U. Shimla, India	October 21-22, 2011
	Participated in Int. Conf. on Rejuvenating Ayurveda at Eternal University	December 18-20, 2010
Dr. Kamal Kishore	Four days training –" Training programme for technical faculty" at MITCEM, Hamirpur	2011
	One day Seminar- " Recent trends in solid mechanics and functional analysis" at IIU Una	2011
	Oral paper presentation in Conference- " Advances in Basic & Applied Sciences" at Career point University, Hamirpur	2014
	Five days Workshop-" Workshop on Machine Learning for Medical Image" at IIT Mandi	2015
	GIAN course- "Bio& Nanotechnology and Biomimetic"	2016
	One day workshop-"Intellectual property right: Issues and Challenges"	2017

28. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects -100%
- Percentage of students doing projects in collaboration with other universities /industry / institute Awards / recognitions received at the national and international level by

Departmental Projects	
a) Percentage of students who have done in-house projects including inter departmental/programme	**50%**

b)Percentage of students placed for projects in organizations outside the institution *i.e.*in Research laboratories/Industry/ otheragencies	**50 %**

29 Awards/recognition received at the national and international level by

- Faculty: 1
- Doctoral/ post-doctoral: 1 Doctoral
- Students: Nil

30 Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

Year	Seminars	Date of the Event	Source of the Funding
2017	One day workshop on "Intellectual Property Rights: Issues and Challenges (IPRIC-2017)" at Eternal University, Baru Sahib on March 14, 2017 organized by IPR Cell, Eternal University, Baru Sahib in association with HP Patent Information Centre (HPPIC), State Council for Science, Technology &	March 14, 2017	State Council for Science, Technology & Environment (HPSCST&E), Shimla, Himachal Pradesh.

31 Code of ethics for research followed by the departments.

Research should be relevant, need based and conducted with total commitment and passion for finding truth and answer to unanswered questions for improving the quality of life.

32 Student profile programme-wise:

Name of the Course/Program		Selected	Enrolled	
Course B.Sc.(NM)	**Session**		**Male**	**Female**
B.Sc. (NM)	2012-2013	05	-	05
	2013-2014	20	-	20
	2014-2015	17	-	17
	2015-2016	06	-	06
	2016-2017	06	-	06
B.Sc. (M)	2013-2014	12		12
	2014-2015	08	-	08
	2015-2016	13	-	13
	2016-2017	04	-	04
B.Sc.(H) Chemistry	2016-2017	03	-	03

M.Sc. Chemistry	2012-2013	01	-	01
	2013-2014	02	02	00
	2014-2015	02	-	02
	2015-2016	04	-	04
	2016-2017	05	01	04
Ph.D. Chemistry	2010-2011	02	02 (Completed)	00
	2012-2013	01	00	01
	2015-2016	02	01	01

33 Diversity of students

Name of the Programme	% of Students from the Same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MSc. Chemistry (2015-16)	3%	75%	25%	-
MSc. Chemistry (2016-17)	-	20%	80%	-
Ph.D. Chemistry	-	100%	-	-

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise - NA**

35. Student progression

Student progression	Percentage against enrolled
UG to PG	3
PG to M.Phil.	Nil
PG to Ph.D.	50
Ph.D. to Post-Doctoral	Nil
Employed	
Campus selection	One of the Ph. D. students of our Chemistry department, Dr. Manpreet Singh is working in the chemistry department Eternal University Baru Sahib as an assistant professor.
Other than campus recruitment	Dr. Sukhdeep Singh (Ph. D. completed on year 2014) is doing teaching in Jammu.
Entrepreneurs	-

36. **Diversity of staff**

Percentage of faculty who are	
Graduates of the same University	Nil
From Universities within the state	1
From Universities outside the state	2
From Universities outside the country	0

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : 01**

38. Present details of departmental infrastructural facilities with regard to

a) Library: Central Library Facility of University.

b) Internet Facilities for staff and students: The College has full-fledged wired as well as 24 hours Wi-Fi internet facility.

c) Classrooms: The department has two lecture halls and one seminar room with internet facility.

d) Laboratory: The department has one well-furnished Graduate and Post graduate Laboratory

39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university : 01

b) From other institutions/universities **:** Nil

40. **Number of post graduate students getting financial assistance from the university**. Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes

- The exercise is done to identify the real issues of learning as per the department.
- B.Sc. (Hons.) Chemistry & M.SC (Chemistry) courses was in various university were undertaken by the committee and appropriate curriculum was developed keeping in view the current and emerging needs.

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, this feedback is used for improving the teaching learning and evaluation methods

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Periodic feedback is obtained from students for the improvement in teaching learning process.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

As such random feedback is taken regarding certain issues of the University. Systematic structured feedback system is in process.

43. List the distinguished alumni of the department (maximum 10)

S.N.	Registration No.	Name	Placement status
1	BS10MSC003	Ms. RenuBala	Teaching assistant
2	BS14MSC001	Ms. Himanshi	QC Chemist at Delhi
3	BS14MSC002	Ms. Rashi Arora	Teaching
4	BS13MSC002	Mr. SumitSood	Ph.D. Scholar at Eternal University
5	BS13MSC001	Mr. Rakesh Kumar	Teaching

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

45. List the teaching methods adopted by the faculty for different programmes.

- Lecture cum discussion
- Activity Method
- Inquiry Method
- Seminars
- Demonstrations
- Presentations
- Project Methods
- Problem Solving Methods
- Inductive Method
- Deductive Methods

- Discussion Method
- Assignments and tutorials

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Knowledge impartation according to the curriculum
- Updating syllabus and teaching methodology on annual basis.
- Interactive teaching
- Unit tests
- Remedial teaching
- Parents-teacher meeting
- Oral presentation by students
- Seminars by students
- Hand on experience and project methods

47. Highlight the participation of students and faculty in extension activities.

- Communication and personality development program
- Summer camps in rural area for importance of science
- Students and faculty involves in sports and cultural activities.

48. Give details of "beyond syllabus scholarly activities" of the department.

- Participation in the International Conference organized every year Industrial visits for students
- Student club activities by: Literary Club, Eco-Friendlily club, Creativity Club, Sports Club, Cultural Club
- Participation in Co-Curricular Activities, National Days, International Days organized by Eternal University.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied-

- Water quality testing from nearby natural streams
- Soil testing from surrounding rocky area and river

51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**.

Strength

- A young and dynamic faculty with diverse specialization and interests.
- Creativity in teaching and practical demonstrations in the classrooms.

- Coordination with other departments for interdisciplinary activities.
- Well-equipped classrooms and laboratories.
- Research oriented faculty members.

Weakness

- Some students lack good communication skills in English.

Opportunities

- Students are keen observant and having great urge to learn and explore.
- To increase the research activities in the Department.
- Total environment and divine ambiance of the university is highly conducive to promote learning for peace, prosperity and holistic development.
- Association with various funding agencies like DST, DRDO etc. for approval of grants for projects.

Challenges

- To achieve maximum enrollment
- Focus on Campus Placement opportunities.
- To provide Latest and newest Information from the field.

52. Future plans of the department.

- To develop the department as a Center for excellence.
- To achieve academic excellence and overall developments of the students to meet the International standards.
- To cater the needs of nearby industries by producing trained manpower to enhance productivity.
- To offer the analytical and consultancy services to the industries.
- To use the knowledge of Chemistry for Industrial development.
- To develop entrepreneurship qualities of the students.
- Association with various funding agencies like DST, DRDO etc. for approval of grants for projects.
- To encourage students to participate in the summer schools/workshops and lectures conducted by other external agencies.
- To organize student enrichment and teacher enrichment programs.

EVALUATIVE REPORT OF THE DEPARTMENT OF PHYSICS

1. **Name of the Department**: Department of Physics

2. **Year of establishment:** 2010

3. **Is the Department part of a School/Faculty of the university?**

   Yes, Akal College of Basic Sciences

4. **Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)**

   a. B.Sc.(Non-Medical)
   b. B.Sc. (Hons.)
   c. M.Sc.(Physics)
   d. Ph.D.(Physics)

5. **Interdisciplinary programs and departments involved:**
   Faculty members of the department have taught various courses in other departments such as
   a. Applied Physics (B.Tech. Course), Department of ECE
   b. Applied Physics (B.Tech. Course), Department of EEE
   c. Applied Physics (B.Tech. Course), Department of CSE
   d. Basic Physics – I, Basic Physics – II (B.Sc. Hons. Course), Department of Microbiology
   e. Basic Physics – I, Mechanics & Waves, Optics & Thermal Physics, Modern Physics (B.Sc. Hons. Course), Department of Chemistry
   f. Basic Physics – I, Mechanics & Waves, Optics & Thermal Physics, Modern Physics (B.Sc. Hons. Course), Department of Mathematic**s**

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
   At present there is no such collaborative course. However, Department has initiated process for the development of the programs.

7. **Details of programs discontinued, if any, with reasons:** Not Applicable

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**

   Semester System of Examination following Credit System

9. **Participation of the department in the courses offered by other departments:**

   a. Department of ECE, (B.Tech. Course)
   b. Department of EEE, (B.Tech. Course)
   c. Department of CSE, (B.Tech. Course)
   d. Department of Microbiology (B.Sc. Hons. Course)
   e. Department of Chemistry, (B.Sc. Hons. Course)
   f. Department of Mathematics, (B.Sc. Hons. Course)

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled	Actual
Professors	-	-	-
Associate Professors	-	1	1
Assistant Professors	3	3	3
Others (Teaching assistant)	2	2	2

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**

S. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. Students guided for the last 4 years
1.	Dr. Radheshyam Rai	Ph.D.	Associate Professor	Physics (Material Science)	13 years	3 (1 Ph.D. Students pursuing)
2.	Dr. Rakesh Sharma	M.Phil., Ph.D., CSIR-UGC (NET)	Assistant Professor	Physics (Microstrip Antenna)	11.5 years	01 Ph.D. Student (pursuing)
3.	Dr. Puneet Negi	Ph.D.	Assistant Professor	Physics (Material Science/ Nano Technology)	2.8 years	01 Ph.D. Student (Pursuing)
4.	Dr. Poonam Kumari	Ph.D.	Assistant Professor	Physics (Material Science/ Nano Technology)	1.7 years	-
5.	Ms. Manpreet Kaur	M.Sc.	Teaching Assistant	Physics (Material Science/ Nano Technology)	1 years	-
6.	Ms. Gursimran Kaur	M.Sc.	Teaching Assistant	Physics (Material Science/ Nano Technology)	1 years	-

12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors: N/A**

13. **Percentage of classes taken by temporary faculty – programme - wise information:**

Name	Programme	%age of Lectures delivered	%age of Practical classes
Ms. Manpreet Kaur	B.Sc. (NM)-I year	20%	50% *
Ms. Gursimran Kaur	B.Sc. (NM)-II year	20%	50%*

* Associate with the practical classes

14. **Programme-wise Student Teacher Ratio :**

Programme	Students	Faculty	Ratio
B.Sc.(NM)	29 (2016-2017)	03	10:01
B.Sc.(Hons.)	03(2016-2017)	02	02:01
M.Sc.(Physics)	11(2016-2017)	04	03:01

15. **Number of Academic support staff (technical) and administrative staff: sanctioned, filled and actual:**
The Department gets required academic support staff (technical) and administrative staff From the University.

16. Research thrust areas as recognized by major funding agencies:
Presently Department has identified thrust areas as Nano Technology, Material Science, Microwave antennas and has submitted the proposal to the funding agencies e.g. HPSCST& E, DST Govt. of India . Approval is awaited.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

- Presently Department has identified thrust areas as Nano Technology, Material Science, Microwave antennas and has submitted the proposal to the funding agencies e.g H.P SCST& E, DST Govt. of India . Approval is awaited.
- Project proposal entitled "fabrication of di-sensitized solar cells as an alternative energy source by using Nano structured trooped titanium dioxide working electrodes" submitted to H.P state council of Science, technology and environment, H.P India.

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

- Presently Department has identified thrust areas as Nano Technology, Material Science, Microwave antennas and has submitted the proposal to the funding agencies e.g H.P SCST& E, DST Govt. of India . Approval is awaited.
- Project proposal entitled "fabrication of di-sensitized solar cells as an alternative energy source by using Nano structured trooped titanium dioxide working electrodes" submitted to H.P state council of Science, technology and

environment, H.P India.

Projects submitted and Approval is awaited.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Projects submitted and Approval is awaited.

20. Research facility / Centre with

- **State recognition:** Nano Science and Nano Technology Lab.
- **National recognition : -**
- **International recognition : -**

21. **Special research laboratories sponsored by / created by industry or corporate bodies:**

IUAC, Delhi, SAIF /CIL Centre for Advance studies, Punjab University Chandigarh

22. Publications:

- **Number of papers published in peer reviewed journals (national / international): 22**

Research Contributions of the Faculty									
Names	Research Publications (International)	Research Publications (National)	Papers In e-journals	Chapters to edited books/text	Seminar/ Conference Presentations	Monographs	Citations of Works	Impact Factor	H-Index
Dr. Radheshyam Rai	76	1	-	7	-	-	-	-	-
Dr. Rakesh Sharma	5	-	-	-	2	-	24	2.45	3
Dr. Puneet Negi	11	--	--	2	18	-	55	14.450	4
Dr. Poonam Kumari	6	-	-	-	-	-	21	-	3

- **Monographs - Nil**
- **Chapters in Books:**

Name of Faculty	Contributions of chapters to books (Chapter Title, Page no.)	Name of the Book/author/ publisher	ISSN/ISBN	Year
Dr. Puneet Negi	Chapter Title: Structural, Specific Heat and Conduction Mechanism in Gd0.7Ca0.3MnO3	Book Title: Application of Nanomaterial Electronics Energy and Environment, Bloomsbury Publishing India Pvt. Ltd.	9789382563358	2012

Dr. Puneet Negi	Chapter Title: Raman Study of Cobalt Ferrite Nanoparticles	Book Title: Nano Materials Synthesis and Characterization Bloomsbury Publishing India Pvt. Ltd.	9789382563365	2012

- Edited Books – NIL
- Books with ISBN with details of publishers –4
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 22
- Citation Index – range /average: 100
- SNIP
- SJR
  Impact Factor –range/average-index: 2.45 – 14.45
- h-index: 04

List of publications:

Dr. Radheshyam Rai

1. Effect of addition of Zinc ferrite on dielectric and magnetic properties of (Ba,Ca)TiO_3 ceramics
   Mamta Shandilya, **Radheshyam Rai**, Diksha Thakur and Kanika Sharma
   Integrated Ferroelectric (Accepted)
2. Structural, Dielectric and Impedance studies of KNNS–BKT Ceramics
   Madan Lal, M Chandrasekhar, **Radheshyam Rai** and Pawan Kumar
   American Journal of Materials Science (**2017; 7(2): 25-34**)
3. A novel low-temperature synthesis of KNN nanoparticles by facile wet chemical method.
   Rashmi Rani, Seema Sharma, Marzia Quaglio, Radheshyam Rai, Stefano Bianco, Diego Pugliese and Candido Fabrizio Pirri
   Journal *Materials Sciences and Applications* (2017, 8, 247-257.)
4. Structural and Electrical behaviour of Bi $(Mg,Ti)O_3$ modified (Ba,Ca)TiO_3 Ceramics
   Seema Sharma, Kashif Shamim, Arpana Singh, Radheshyam Rai and Rashmi Rani
   Journal of Advanced Dielectric 6 (2016) 1650035.
5. Superparamagnetic $MnFe_2O_4$ dispersed over graphitic carbon sand composite and bentonite as magnetically recoverable photocatalyst for antibiotic mineralization
   Pooja Shandilya, Sourav Gautam, Virender Pratap Singh, Bhanu Priya, Pankaj Raizada, Radheshyam Rai, M.A. Valente
   Separation and Purification Technology, 172 (2017) 498-511
6. Dielectric relaxation and ac conduction in multiferroic $Bi_{0.8}Gd_{0.1}Pb_{0.1}Fe_{0.9}Ti_{0.1}O_3$ ceramics: Impedance spectroscopy analysis
   Shweta Thakur, Radheshyam Rai, Igor Bdikin and Shashi Prakash Rai
   Phase Transitions 89 (2016) 1213-1224.
   http://dx.doi.org/10.1080/01411594.2016.1160399
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18. Effect of Al-doping on structural and dielectric properties of PZT ceramics.
(Radheshyam Rai, Seema Sharma and R.N.P.choudhary)
(National Symposium in Condensed Matter Physics, Condensed Matter Days 2002, August 29-31, 2002, Bhagalpur).

Dr. Rakesh Sharma

- ***International/National Journals***

1. **Rakesh Sharma**, Abhishek Kandwal and Sunil Kumar Khah, "Bandwidth Enhancement Using Stacked Defected Ground Antenna for Communication Systems", *Advanced Electromagnetics*, 2016. (Communicated).
2. Abhishek Kandwal, **Rakesh Sharma** and Sunil Kumar Khah, "Dual Band Gap Coupled Antenna Design with DGS for Wireless Communications," *Advanced Electromagnetics*, vol. 2, no. 3, pp. 51-58, 2013. **IF: 0.897(2015/GIF)**
3. **Rakesh Sharma**, Abhishek Kandwal and Sunil Kumar Khah, **"**Wideband DGS Circular Ring Microstrip Antenna Design using Fuzzy Approach with Suppressed Cross-polar Radiations", *Progress in Electromagnetics Research C*, vol. 42, pp.177-190, 2013. **IF: 0.774 (2015/SJR)**

4. Abhishek Kandwal, **Rakesh Sharma** and Sunil Kumar Khah, **"**Bandwidth Enhancement using Z-shaped defected Ground Structure", *Microwave and Optical Technology Letters*, vol. 55, no.10, pp. 2251-2254, 2013. **IF: 0.782 (2014/SJR)**

5. **Rakesh Sharma**, Abhishek Kandwal and Sunil Kumar Khah, "A Novel Wideband Circular Ring DGS Antenna Design for Wireless Communications", *Radioelectronics and Informatics*, no. 4 pp. 9-11, 2012.
6. **Rakesh Sharma**, Abhishek Kandwal and Sunil Kumar Khah, "Compact Wideband Circular Ring Defected Ground Antenna", *Advanced Computational Techniques in Electromagnetics ISPACS*, vol. 2012, Article ID acte-00107, 5 Pages, 2012. DOI: 10.5899/2012/acte-00107, 2012.

- ***Full length paper in international conference proceedings***

1. **Rakesh Sharma**, Abhishek Kandwal and Sunil Kumar Khah, "A Novel Multiband DGS Antenna with Enhanced Bandwidth for Wireless Communication", in Proceedings of *Mobile & Embedded Technology International Conference 2013 (MECON-2013)*, 2013, pp. 89-92. ISBN:978-93-81583-82-1.
2. Abhishek Kandwal, **Rakesh Sharma** and Sunil Kumar Khah, "0.5-1 GHz Wideband Gap-Coupled Micro Strip Antenna for Mobile Communications", in Proceedings of *Mobile & Embedded Technology International Conference 2013 (MECON-2013)*, 2013, pp. 205-208. ISBN:978-93-81583-82-1.

- ***Paper Presentation in International/National Conferences/seminars***

1. Presented a paper entitled entitled "Wideband E-shaped DGS antenna for communication satellites" during *2nd International Conference on "Innovative Research in engineering, science and technology (IREST-2017)*", at Eternal University, Baru Sahib organized by ACET, Eternal University, Baru Sahib & Sponsored by DST (New Delhi) in association with Vigyan Prasar (Noida) and HP Patent information center (Shimla), India 2017.
2. Presented a paper entitled entitled "A 30-60 GHz Ultra-Wideband Antenna Design for Extremely High Frequency Applications" during National Seminar on "Innovations & Challenges in Basic & Applied Sciences (ICBAS-2017)", organized by School of Basic & Applied Sciences at Maharaja Agrasen University, Baddi, India, 2017.

3. Presented a paper entitled, "Wideband Stacked DGS Antenna for X-band Applications", in Symposium on *Science, Technology and Entrepreneurship for Human Welfare in the Himalayan Region, volume: 86 Annual Session of the National Academy of Sciences, India.*
4. Presented a paper entitled "A Novel Multiband DGS Antenna with Enhanced Bandwidth for Wireless Communication", in *Mobile & Embedded Technology International Conference 2013 (MECON-2013),* 2013.

- ***Abstracts in International/National Conferences/Symposia***

1. Rakesh Sharma and Abhishek Kandwal, "Wideband E-shaped DGS Antenna for Communication Satellites", in Proceedings of 2nd International Conference on Innovative Research in engineering, science and technology, IREST/OP/074, 2017.
2. Manpreet Kaur, Gursimran Kaur, Puneet Negi, Poonam Kumari Thakur, Rakesh Sharma, "ZnO Application for Dye Senstized Solar Cell (DSSC): A Short Review", in Proceedings of 2nd International Conference on Innovative Research in engineering, science and technology, IREST/OP/055, 2017.
3. Gursimran Kaur, Puneet Negi, Manpreet Kaur, Rakesh Sharma, Ruhit Jyoti Konwar, Vinod Kumar "A Review on TiO2 for the Application of Dye Sensitized Solar Cell", in Proceedings of 2nd International Conference on Innovative Research in engineering, science and technology, IREST/OP/037, 2017.
4. Gurpreet Kaur, Arun, Puneet Negi, Rakesh Sharma, "A Review on Barium Ferrite", in Proceedings of 2nd International Conference on Innovative Research in engineering, science and technology, IREST/OP/036, 2017.
5. Rakesh Sharma and Abhishek Kandwal, "A 30-60 GHz Ultra-Wideband Antenna Design for Extremely High Frequency Applications", in Proceedings of National Seminar on Innovations & Challenges in Basic & Applied Sciences (ICBAS-2017), pp. 42, 2017.
6. Rakesh Sharma, Abhishek Kandwal and Sunil Kumar Khah, "Wideband Stacked DGS Antenna for X-band Applications", in Proceedings of Symposium on Science, Technology and Entrepreneurship for Human Welfare in the Himalayan Region, volume: 86 Annual Session of the National Academy of Sciences, India, pp. 22-22.
7. Manpreet Kaur, Praveena Kuruva, **Rakesh Sharma**, Gursimran Kaur and Puneet Negi, "Synthesis and Characterization of $Mn_xZn_{1-x}Fe_2O_4$ (x=0, 0.2, 0.4, 0.6, 0.8, 1.0) nanoparticles for high frequency application", in Proceedings of Symposium on *Science, Technology and Entrepreneurship for Human Welfare in the Himalayan Region, volume: 86 Annual Session of the National Academy of Sciences, India, pp. 23-24.*

Dr. Puneet Negi

1. "Structural, Optical and Magnetic Properties of Multiferroic $GdMnO_3$ Nanoparticles" **P. Negi**, G. Dixit, H.M. Agrawal and R.C. Srivastava, ***J. Supercond. Nov. Magn.*** 26 (2013)1611-1615. **Impact Factor: 1.100, ISSN: 1557-1947.**

2. "Effect of Ce Doping on the Magnetic Properties of $NiFe_2O_4$ Nanoparticles" G. Dixit, **P. Negi**, J. P. Singh, R. C. Srivastava, H. M. Agrawal, ***J. Supercond. Nov. Magn.*** 26 (2013)1015-1019. **Impact Factor: 1.100, ISSN: 1557-1947.**

3. "HRTEM and FTIR investigation of nanosized zinc ferrite irradiated with 100 MeV oxygen ions" Jitendra Pal Singh, Gagan Dixit, R.C. Srivastava, **Puneet Negi**, H.M. Agrawal, Ravi Kumar, ***Spectrochim. Acta. A*** 107 (2013) 326–333. **Impact Factor: 2.653, ISSN: 1386-1425.**

4. "Onset of size independent cationic exchange in nano-sized $CoFe_2O_4$ induced by electronic excitation" Hemaunt Kumar, Jitendra Pal Singh, R.C. Srivastava, **P. Negi**, H.M. Agrawal, Kandasami Asokan, Sung Ok Won, Keun Hwa Chae, ***J. Alloy. Compd.,*** 645 (2015) 274–282. **Impact Factor: 3.014, ISSN: 0925-8388.**

5. "Consequences of electronic excitations in $CoFe_{1.90}Dy_{0.10}O_4$" Hemaunt Kumar, Jitendra Pal Singh, R. C. Srivastava, **P. Negi**, H.M. Agrawal, K. Asokan, Sung Ok Won and Keun Hwa Chae, ***Curr. Appl. Phys.,*** 15 (2015) 1650-1656. **Impact Factor: 2.144, ISSN: 1567-1739.**

6. "Structural and Magnetic study of Dysprosium substituted Cobalt Ferrite Nanoparticles" Hemaunt Kumar, R. C. Srivastava, Jitendra Pal Singh, **P. Negi**, H. M. Agrawal, D. Das and Keun Hwa Chae, ***J. Magn. Magn. Mater.,*** 401(2016)16-21. **Impact Factor: 2.357, ISSN: 0304-8853.**

7. "Magnetic Behaviour of Granular $GdMnO_3$ Film" **Puneet Negi**, H. M. Agrawal, Jitendra Pal Singh, Hemaunt Kumar, R. C. Srivastava, K. Asokan, Keun Hwa Chae ***J. Supercond. Nov. Magn.*** 29 (2016)2705-3000. **Impact Factor: 1.100, ISSN: 1557-1947.**

8. "Tuning of structural and optical properties by sintering of multiferroic $GdMnO_3$ precursor" **Puneet Negi**, Gagan Dixit, H. M. Agrawal, Hemaunt Kumar, R. C. Srivastava, P. C. Sati, Vinay Gupta, K. Asokan, ***Ferroelectrics, 09 March 2017. (Accepted)*** **Impact Factor: 0.491, ISSN: 1563-5112.**

9. "Investigations of structural and transport properties of Ca doped yttrium manganites" Gagan Dixit, Parmod Kumar, **Puneet Negi**, K. Asokan, ***Ferroelectrics, 02 March 2017. (Accepted)*** **Impact Factor: 0.491, ISSN: 1563-5112.**

10. "Dielectric Behaviour of Cobalt Ferrite Nanoparticles" Hemaunt Kumar, R. C. Srivastava, **P. Negi**, H. M. Agrawal & K. Asokan, ***International Journal of Electrical and Electronics Engineering (IJEEE)*** 2 (2013) 59-66. **ISSN: 2278-9952.**

11. "FTIR and Electrical Study of Dysprosium Doped Cobalt Ferrite Nanoparticles" Hemaunt Kumar, Jitendra Pal Singh, R. C. Srivastava, **P. Negi**, H. M. Agrawal and K. Asokan, ***Journal of Nanoscience,*** Volume 2014, Article ID 862415, 10 pages. **ISSN: 2314-6931.**

12. "Structural, specific heat and magnetoresistive properties of $Gd_{0.7}Ca_{0.3}MnO_3$" **P. Negi**, H.M. Agrawal and R.C. Srivastava, ***Int. J. Materials Engineering Innovation***, Vol. 5, No. 3 (2014) 216. **ISSN: 1757-2762.**

13. "Effect of Sintering Temperature on the Structural Properties of Cobalt Ferrite Nanoparticles" Hemaunt Kumar, R. C. Srivastava, **Puneet Negi**, H. M. Agrawal, Anurag Singh, ***Int. J. Materials Engineering Innovation***, Vol. 5, No. 3 (2014) 227. **ISSN: 1757-2762**.

- ***Full length paper in international conference proceedings***

1. "Fabrication of multiferroic $GdMnO_3$ thin film by pulsed laser deposition technique" **Puneet Negi**, H. M. Agrawal, R. C. Srivastava, and K. Asokan, ***AIP Conf. Proc.*** 1451 (2012) 169. **ISSN: 1551-7616.**

2. "Magnetic Anomalies in Specific Heat and Dielectric Properties of Multiferroic $GdMnO_3$" **Puneet Negi**, Hemaunt Kumar, H. M. Agrawal, and R. C. Srivastava, ***AIP Conf. Proc***. 1512, (2013) 96. **ISSN: 1551-7616.**

- ***Book chapters***

1. "Structural, Specific Heat and Conduction Mechanism in $Gd_{0.7}Ca_{0.3}MnO_3$" **P. Negi**, H. M. Agrawal and R. C. Srivastava, ***Application of Nano Materials: Electronics, Energy and Environment***, Bloomsbury Publishing India Pvt. Ltd., pp. 65-70 (2012). **ISBN: 9789382563358**

2. "Raman Study of Cobalt Ferrite Nanoparticles" Hemaunt Kumar, R. C. Srivastava, **Puneet Negi**, H. M. Agrawal and Anurag Singh, ***Nano Materials Synthesis and Charectarization***, Bloomsbury Publishing India Pvt. Ltd., pp. 163-168 (2012). **ISBN: 9789382563365**

- ***Conferences:***

1. Presented a paper entitled *"**Finding of weak ferromagnetism at room temperature in granular GdMnO3 film**"* in a symposium on "Science, Technology and Entrepreneurship for Human Welfare in the Himalayan Region", **the 86th Annual Session of the National Academy of Sciences, India** at **Uttarakhand State Council for Science & Technology (UCOST) Dehradun,** on December 2- 4, 2016.

2. Presented a paper entitled *"Tuning of structural and optical properties by sintering of multiferroic $GdMnO_3$ precursor"* in **the International Conference on Technologically advanced Materials and Asian Meeting on Ferroelectrics (ICTAM-AMF10)**, at **University of Delhi** during November 7-11, 2016.

3. Presented a paper entitled *"Sintering effect on structural and optical behaviour of Multiferroic $GdMnO_3$"* in a **5th National conference on "Chemical Sciences: Emerging Scenario and global challenges" at Arya P. G. College Panipat, Haryana** on 26 March, 2016.

4. Presented a research paper entitled *"Study of Multiferroic $GdMnO_3$ Thin Film: An Exciting Magnetic Behavior"* in **the "XII International Conference on Nanostructured Materials (NANO-2014)"** at **Moscow, Russian Federation** during July 13 – 18, 2014.
[I am grateful to DST/SERB for selecting me as a Young Scientist to participate in the Conference under the International Travel Support scheme].

5. Presented a research paper entitled *"Structural, Optical and Magnetic Properties of Multiferroic $GdMnO_3$ Nanoparticles"* in **3rd International Conference on Superconductivity and Magnetism (ICSM) -2012**at Istanbul-Turkey, 29 April-04 May, 2012.

6. Presented a research paper entitled *"Study of Multiferroic $GdMnO_3$ Thin Film Fabricated by Pulsed Laser Deposition Technique"* in **the "2nd International Conference on Advanced Functional Materials (ICAFM-2014)"** at Thiruvananthapuram, India during 19-21 February 2014.

7. Presented a paper entitled as *"Magnetic properties of diffused multilayered film of multiferroic $GdMnO_3$"*in **International conference on Magnetic Materials and Applications (MagMA-2013)** at IIT, Guwahati 05-07 December, 2013.

8. Presented a paper entitled as *"Nanostructured Multiferroic $GdMnO_3$: Optimization of Synthesizing Conditions and its Characteristics"*in**International Conference on Nanoscience and Nanotechnology (ICNN-2013)** at BBAU, Lucknow, 18-20 Nov. 2013.

9. Presented a paper entitled as *"Structural, specific heat and conduction mechanism in* $Gd_{0.7}Ca_{0.3}MnO_3$*"*in**6th International Symposium on Macro and supramolecular Architectures and Materials (MAM-12)** ***Special theme: Nano Systems & Applications*** at Le Meridien, Coimbatore, organised by College for Nanoscience& Technology, K. S. Rangasamy college of Technology, Tiruchengode, Namakkal, Tamilnadu, India, 21-25 December, 2012.

10. Presented a paper entitled *"Magnetic Anomalies in Specific Heat and Dielectric Properties of Multiferroic* $GdMnO_3$*"* in **57th DAE SSPS** at IIT, Bombay, 03-07 December 2012.

11. Presented a paper entitled *"Magnetic study of multiferroic* $GdMnO_3$ *thin film irradiated by 200 MeV* Ag^{+15} *ion beam"* in **Swift Heavy Ions in Materials Engineering and Characterization (SHIMEC- 2012)**at IUAC, New Delhi, October 9-12, 2012.

12. Presented a research paper entitled *"Structural and Electronic Transport Properties of* $Gd_{0.7}Ca_{0.3}MnO_3$ *Nanoparticles"* in **"International conference on Nanomaterials and Nano technology (ICNANO)"**, 18-21 December 2011 at Conference Centre, University of Delhi, Delhi, India.

13. Presented a research paper entitled *"Colossal Magnetoresistance* Perovskite *Manganites: A New Approach"* in **6th Uttarakhand State Science & Technology Congress-2010**, 14-16 November, 2011 at S. S. J. Campus, Kumaun University, Almora.

14. Presented a research paper entitled *"Fabrication of Multiferroic* $GdMnO_3$ *Thin Film by Pulsed Laser Deposition Technique"* in "**Indian Vacuum Society Symposium on Thin films: Science & Technology (TFST-2011)"**, 9-12 November 2011 at BARC, Trombay, Mumbai.

15. Presented a research paper entitled *"Structural and Optical Properties of Multiferroic* $GdMnO_3$ *Nanoparticles"* in **5thUttarakhand State Science & Technology Congress-2010**, 10-12 November, 2010 at **Doon University, Dehradun.**

- ***Others***

1. "200 MeV Ag Ion Irradiation Effect on Multiferroic $GdMnO_3$ Thin Films" **Puneet Negi**, Gagan Dixit, H. M. Agarwal, R. C. Srivastava and K. Asokan, ***IUAC Annual Report 2012***.

2. "100 MeV O^{7+} Ion Irradiation Induced Effect on Multiferroic $GdMnO_3$ Nanoparticles" **Puneet Negi**, H. M. Agarwal, R. C. Srivastavaand K. Asokan, ***IUAC Annual Report 2013***.

"Strain induced Magnetic Properties of Multiferroic $GdMnO_3$ thin film fabricated by Pulsed Laser Deposition" **P. Negi**, H. Kumar, H.M. Agrawal, R.C. Srivastava and K. Asokan**,** ***Abstract Book 12th Joint MMM-Intermag***, Chicago, Illinois, **USA**, 643-644 (2013).

Dr. Poonam Kumari

1. Study the structural and dielectric properties of rare-earth (La) doping on A -site and (Mn, Nb) doping on B-site of BZT ceramics Poonam Kumari, Pawan Kumar and Radheshyam Rai Integrated Ferroelectrics, 167:1–11, 2015
2. Study the structural and magnetic properties of rare-earth ions (La and Gd) doped Ba $_{0.9575}Ca_{0.0025}Ti_{0.80685}Mn_{0.002475}Nb_{0.002475}Zr_{0.1782}O_3$ (BCTMNZ) ceramics. Radheshyam Rai, Poonam Kumari and M. A. Valente. Journal of advanced dielectrics, 5, 3, 1520001, 2015
3. Impedance and modulus spectroscopy characterization of Lead free Barium Titanate ferroelectric ceramics Seema Sharma, Kashif Shamim, Poonam Kumari, and Radheshyam Rai. Ceramics International, 41, 7713–7722, 2015
4. Influence of $BiFeTaO_3$ addition on the electrical properties of $Na_{0.4725}K_{0.4725}Li_{0.055}NbO_3$ ceramics system using impedance spectroscopy Poonam Kumari, Radheshyam Rai, and A. L. Kholkin. Journal of Alloys and Compounds 637, 203–212, 2015
5. State – of – the –art of lead free ferroelectrics: A Critical Review Poonam Kumari, Radheshyam Rai, Seema Sharma, Mamta Shandilya, and Ashutosh Tiwari. Advanced Material Letter., 6, 6, 453-484, 2015
6. Study of Ca doping on A- site on the structural and physical properties of BLTMNZ ceramics Poonam Kumari, Radheshyam Rai, Seema Sharma and Anderi L. Kholkin, Advanced Material Letter., 5(5), 255-259, 2014

- ***<u>International/national conferences attended</u>***

1. Structural Characterization and Electrical Study of Lead Free Barium Titanate erroelectric Ceramics Synthesized by Solid State Reaction Method'' Nano SciTech, 18-20 February, 2016 at Punjab University, Chandigarh. Poonam Kumari, Radheshyam Rai*, Seema Sharma and A. L. Kholkin.
2. To study the structural and electrical properties of $BiFeTaO_3$ doped $Na_{0.4725}K_{0.4725}Li_{0.055}NbO_3$ ceramics system using impedance spectroscopy, SMART (National conference on Smart Materials: Advances in Research and Techniques) Shoolini University, Solan (26-27 November, 2015). Poonam Kumari, Radheshyam Rai, A. L. Kholkin.
3. Dielectric, magnetic and Impedance properties of $Bi_{0.8}Tb_{0.1}Ba_{0.1}Fe_{0.9}Ti_{0.1}O_3$ multiferroic ceramics. International Conference on Condensed Matter and applied physics-30-31 October, 2015, Bikaner – 334004 , Rajasthan, India Poonam Kumari, Radheshyam Rai*,Seema Sharma and A. L. Kholkin.
4. Investigation of electrical and magnetic properties of $Bi_{1-x-y}Dy_xBa_yFe_{1-y}Ti_yO_3$ ceramic system'' ICRTMD (International Conference on Recent Trends in Materials and Devices) Amity University, Noida, (2013). Poonam Kumari, S. Thakur, and Radheshyam Rai.

23. Details of patents and income generated: Department in coming years will try to get patents for the research work.

24. Areas of consultancy and income generated:

1. Conducting 2 months project Training Programme on Nano Technology " For the Students of Sri Guru Granth Sahib World University Fatehgarh Sahib, Punjab on regular basis.

2. Organizing discussions and make presentations with students, parents and community leaders for promoting science and education. The students also including from Nehru Yuva Kendra.

25. Faculty selected nationally / internationally to visit other laboratories / institutions /industries in India and abroad:

- Selected for participation in One Week Workshop "2016 South East Asia 3D Printing Workshop" at National Taiwan University of Science and Technology (Taiwan Tech), Taipei City, Taiwan during August 28 to September 03, 2016.

- Visited Wireless Communication and Electromagnetic Compatibility Research Center, National Taiwan University of Science and Technology (Taiwan Tech), Taipei City, Taiwan

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other

Dr. Rakesh Sharma	**Life time Member of the *Material Research Society of India (MRSI)* Bangalore** **Reviewer of *Journal of Electromagnetic Waves and Applications,* Taylor & Francis.**
Dr. Puneet Negi	**Life time Member of the *Indian Association of Physics Teachers (IAPT).*** **Life time Member of the *Indian Science Congress Association (ISCA).*** **Life time Member of the *Material Research Society of India (MRSI).*** **Member of Editorial Board of** International Journal of Institutional & Industrial Research ***(IJIIR).*** **Reviewer of an International Journal "Nature Scientific Report".**

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

1. Oral paper presentation entitled "**Wideband E-shaped DGS antenna for communication satellites**" during 2nd International Conference on "**Innovative Research in engineering, science and technology (IREST-2017)**", at Eternal University, Baru Sahib organized by ACET, Eternal University, Baru Sahib & Sponsored by DST (New Delhi) in association with Vigyan Prasar (Noida) and HP Patent information center (Shimla), India during April 07 -08, 2017.

2. Attended two day workshop on "**Robotics, LED Making, Model Rocketry, Astronomy and Hydroponics**" in *Science Exhibition* during 2nd International Conference on Innovative Research in engineering, science and technology (IREST-2017) at Eternal University, Baru Sahib organized by ACET, Eternal University, Baru Sahib & Sponsored by DST (New Delhi) in association with Vigyan Prasar (Noida) and HP Patent information center (Shimla), India during April 07 -08, 2017.

3. Attended One day workshop on "**Intellectual Property Rights: Issues and Challenges (IPRIC-2017)**" at Eternal University, Baru Sahib organized by IPR Cell, Eternal University, Baru Sahib in association with HP Patent Information Centre (HPPIC), State Council for Science, Technology & Environment (HPSCST&E), Shimla, Himachal Pradesh, India on March 14, 2017.

4. Oral paper presentation entitled "**A 30-60 GHz Ultra-Wideband Antenna Design for Extremely High Frequency Applications**" during National Seminar on "**Innovations & Challenges in Basic & Applied Sciences (ICBAS-2017)**", organized by School of Basic & Applied Sciences at Maharaja Agrasen University, Baddi, India on March 04, 2017.

5. Oral paper presentation "**Wideband Stacked DGS Antenna for X-band Applications**" in Symposium on "**Science, Technology and Entrepreneurship for Human Welfare in the Himalayan Region**", at Uttrakhand State Council for Science & Technology (UCOST) Dehradun, 86th Annual Session of the National Academy of Sciences, India, December 2-4, 2016.

6. Attended One day awareness workshop on "**Intellectual Property Rights (IPRs) In Research, Developments and Academics**" at HFRI Shimla on November 25, 2016 organized by HP Patent Information Centre (HPPIC), State Council for Science, Technology & Environment (HPSCST&E), Shimla, Himachal Pradesh in Collaboration with TIFAC, DST, Govt. of India.

7. Attended One Week Workshop "**2016 South East Asia 3D Printing Workshop**" at National Taiwan University of Science and Technology (Taiwan Tech), Taipei City, Taiwan during August 28 to September 03, 2016.

8. Attended One Week Workshop on "**Nanotechnology: Fabrication & Characterization**" at JUIT Waknaghat, Solan (HP) during 11 Dec. 2013 onwards.

9. Attended AICTE recognized one week short term course on "**Induction Training Program through ICT**" during 08-12 April 2013, organized by NITTTR Chandigarh, India.

10. Presented a paper "A Novel Multiband DGS Antenna with Enhanced Bandwidth for Wireless Communication", in **Mobile & Embedded Technology International Conference 2013 (MECON-2013)** during 17-18 Jan. 2013 at Amity School of Engineering and Technology, Noida, India.

11. Attended "**Two Days Workshop on Antenna Materials**" at JUIT Waknaghat, Solan (HP) during 14-15 Dec. 2012, organized by Materials Research Society of India (**MRSI-IISc Bangalore**).

12. Attended one week short term course on "**Antenna and Microwave: Learning through Experimentation**" at NITTTR Chandigarh during 27-31 August 2012, organized by ETV Department, NITTTR Chandigarh, India.

13. Attended two week AICTE sponsored "**Faculty Development Program on Computer aided VHDL**" at JUIT Waknaghat, Solan (HP) during 03-13 March 2008, organized by Jaypee University of Information Technology Waknaghat, Solan, India.

14. Attended the one day seminar on **"Renewable Energy: Sustaining a Green Future"** organized by the State Council for Science, Technology & Environment, Himachal Pradesh and the Energy Resource Institute (TERI), New Delhi on 23rd March, 2017 at Hotel Holiday Home, Shimla.

15. Attended the one day workshop on **"Intellectual Property Rights: Issues and Challenges (IPRIC-2017)"** at Eternal University, Baru Sahib on March 14, 2017 organized by IPR Cell, Eternal University, Baru Sahib in association with HP Patent Information Centre (HPPIC), State Council for Science, Technology & Environment (SCST&E), Shimla, Himachal Pradesh.

16. Participated in an awareness workshop on **"The facilities of UGC-DAE Consortium for Scientific Research"**, jointly organised by the Department of Physics, D. S. B. Campus, Kumaun University (Nainital) and UGC-DAE-CSR centre (Indore) held at the Department of Physics (UGC Centre of advanced study) D. S. B. Campus, Kumaun University (Nainital), during 05-07 April 2016.

17. Participated in "**Two-Week Refresher Course on Experimental Physics"** from 14th-29th April, 2015 at IASc, Bangalore organized by IASc, INSC & NASI.

18. Attended **Ph.D. Teaching Program**, **Advanced Lecture Series**, semester- II, Module 2.4: **Cryogenics and Superconductivity** at ***IUAC, New Delhi*** from 30th March to 21st April, 2010.

19. Participated in the National Workshop on **"Scientific / Research Paper writing"** organized by the National Academy of Sciences, India held from April 05-07, 2013 at Mohanlal Sukhadia University, Udaipur, Rajasthan.

20. Participated in the workshop on **"Radiation Science and Applications"** at Christ Church College, Kanpur organized by ***UGC-DAE-CSR Centre, Kolkata*** held during the period of February 10-11, 2012.

21. Participated in an orientation workshop on **"Thin Film Magnetism"** at ***UGC-DAE-CSR Centre, Indore*** held during the period of March 14-16, 2012.

22. Attended National School cum workshop on **"Magnetic Phase Transitions and Transformations"** organized by Department of physics, Jadavpur University, Kolkata &***UGC-DAE Consortium for Scientific Research, Kolkata Centre at Jadavpur University Main Campus, Jadavpur, Kolkata***; from August 3rd to 9th, 2011.

23. Attended **3rd DST-SERC Summer School** on **"Solid State and Materials Chemistry"** held in ***SSCU, Indian Institute of Science (IISc) Bangalore*** from June 17 to July 07, 2010.

24. Participated in the First Winter School on **"Experimental Condensed Matter Physics"** from March 05- 20, 2010, held in ***Department of Physics, Banaras Hindu University, Varanasi.***

25. Participated in the one-day workshop on **"Advanced Materials and Nanotechnology"**, held in **Jaypee Institute of Information Technology**, NOIDA on 21st November, 2009.

26. Short-term course on Renewable Energy Materials and Technology in Academia and Industry to be conducted in the Department of Applied Physics, ISM Dhanbad during the period March 2-4, 2016.
27. Dielectric, magnetic and Impedance properties of Bi0.8Tb0.1Ba0.1Fe0.9Ti0.1O3 multiferroic ceramics. International Conference on Condensed Matter and applied physics-30-31 October, 2015, Bikaner – 334004 , Rajasthan, India Poonam Kumari, Radheshyam Rai*,Seema Sharma and A. L. Kholkin.
28. 1st multifunctional advanced materials - School of Physics at Shoolini University Solan, 2nd to 4th May. 2013
29. 6th Chandigarh science congress, Punjab university, 26-28 Feb. 2012.

28. Student projects

Departmental Projects	
a) Percentage of students who have done in-house projects including inter departmental/ program	**100 %**
b) Percentage of students placed for projects in organizations outside the institution *i.e.*in Research laboratories/Industry/ other agencies	-

29. Awards/ recognitions received at the national and International levels by

- **Faculty: 01**
  Dr. Rakesh Sharma: Judge & Resource Person at "State Level Children's Science Congress" on November 15 to November 18, 2016

at GSSS Nahan, HP organized by State Council for Science, Technology & Environment (HPSCST&E), Shimla, HP in collaboration with Sarv Shiksha Abhiyaan, Dept. of Education, HP and Rashtriya Vigyan Evam Progyogiki Sanchar Parishad, DST, Govt. of India, New Delhi.

- **Doctoral/post-doctoral fellows:** 01 Post-doctoral fellow
- **Students:** 01 M.Sc. student is getting DST Inspire Fellowship

30. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

Year	Seminars	Date of the Event	Source of the Funding
2017	One day workshop on "Intellectual Property Rights: Issues and Challenges (IPRIC-2017)" at Eternal University, Baru Sahib on March 14, 2017 organized by IPR Cell, Eternal University, Baru Sahib in association with HP Patent Information Centre (HPPIC), State Council for Science, Technology & Environment (HPSCST&E), Shimla, Himachal Pradesh.	March 14, 2017	State Council for Science, Technology & Environment (HPSCST&E), Shimla, Himachal Pradesh.

31. Code of ethics for research followed by the departments:

Research should be relevant, need based and conducted with total commitment and passion for finding truth and answer to unanswered questions for improving the quality of life.

32. Student profile programme-wise:

Name of the Course/Programme	Application received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc. Non-Medical				**Batch Running**	
2014-15	17	-	17	**Batch Running**	
2015-16	06	-	6		
2016-17	06	-	6		
B.Sc. (Hons.) Physics	**3**	-	3	**Batch Running**	

M.Sc. Physics				**Batch Running**
2015-2016	06	3	3	
2016-2017	05	3	2	
Ph.D. Physics				
2015-16	3	-	3	
2016-17	1	1	-	

33. Diversity of students

Name of the programme	**% of students from the same university**	**% of students from the other university within the state**	**% of students from the universities outside the state**	**% of students from the other countries**
B.Sc.(H) Physics (2016-17)	**-**	**33%**	**67%**	**-**
M.Sc. Physics				
2015-16	**-**	**16.67%**	**(83.33%)**	**-**
2016-17	**-**	**100%**	**-**	**-**
Ph.D. Physics				
2015-16	**-**	**-**	**100%**	**-**
2016-17	**-**	**100%**	**-**	**-**

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NIL

35. Student progression

Student progression	**Percentage against enrolled**
UG to PG	20% (2015-16)
PG to M.Phil.	NIL
PG to Ph.D.	100%(2015-16)
Ph.D. to Post-Doctoral	NIL
Employed	
Campus selection	NIL
Other than campus recruitment	100%
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are	
Graduates of the same University	Nil
From Universities within the state	67%
From Universities outside the state	33%
From Universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: three

(a) Dr. Rakesh Sharma
(b) Dr. Puneet Negi
(c) Dr. Poonam Kumari

38. Present details of departmental infrastructural facilities with regard to

a) Library: Central Library Facility of University.
b) Internet Facilities for staff and students: The College has full-fledged wired as well as 24 hours Wi-Fi internet facility.
c) Classrooms: The department has two lecture halls and one seminar room with internet facility.
d) Classroom with ICT facility: 02
e) Laboratory: The department has one well-furnished Graduate and Post graduate Laboratory and one Post graduate Nano science & Nanotechnology Research Lab.
f) Research laboratories: 01

39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university :
Manpreet Kaur, Eternal University (Research Scholar)
b) From other institutions/universities :
Gursimaran kaur, Punjabi University, Patiala (Research Scholar)

40. Number of post graduate students getting financial assistance from the university:
(1) Manpreet Kaur
(2) Gursimaran kaur

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, Study of B.Sc. (Hons.) Physics & M.Sc. (Physics) courses in various universities was undertaken by the committee and an appropriate curriculum was developed keeping

in view the current and emerging needs.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. This feedback is used for improving the teaching learning and evaluation methods.

b) **Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Periodic feedback is obtained from students for the improvement in teaching learning process.

c) **Alumni and employers on the programmes offered and how does the department utilize the feedback?**

As such random feedback is taken regarding certain issues of the university including curriculum development.

43. List the distinguished alumni of the department (maximum 10)

Sr. No.	Registration No.	Names	Placement Status
1.	BS08PSPH001	Jasneet Kaur	Post-Doctoral fellow at University of Naples Federico II, Napoli, Campania, Italy
2.	BS12PSPH001	Harpinder Kaur	IELTS Coaching
3.	BS12PSPH003	Rahul	IELTS Coaching
4.	BS12PSPH001	Manoj Kumar	Ph.D. Student at PEC Chandigarh
5.	BS13PSPH001	Manpreet Kaur	Ph.D. Student at Eternal University

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Year	Seminars	Date of the Event
2017	One day workshop on "Intellectual Property Rights: Issues and Challenges (IPRIC-2017)" at Eternal University, Baru Sahib on March 14, 2017 organized by IPR Cell, Eternal University, Baru Sahib in association with HP Patent Information Centre (HPPIC), State Council for Science, Technology & Environment (HPSCST&E), Shimla, Himachal Pradesh.	March 14, 2017

45. List the teaching methods adopted by the faculty for different programmes.

- Lecture cum discussion
- Activity Method
- Inquiry Method

- Seminars
- Demonstrations
- Presentations
- Project Methods
- Problem Solving Methods
- Inductive Method
- Deductive Methods
- Discussion Method
- Assignments & Tutorials

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- curriculum is transacted through interactive teaching
- unit tests
- Remedial classes for weak students
- Parents teachers meeting
- oral presentations by students on regular basis
- seminars by the students
- Theory examinations
- hand on experience and project methods

47. Highlight the participation of students and faculty in extension activities.

- Students and faculty participate in all cultural activities,
- Sports activities,
- Seminars and
- Summer camps in rural areas for promoting scientific temper and use of science and technology in daily life.
- Awareness to the local community about the "National Programme - Keep Healthy and Immunizations "

48. Give details of "beyond syllabus scholarly activities" of the department.

- Regular industrial visits of different types up dated technologies and projects.
- Participation in the International Conference organized every year
- Student club activities on Saturdays: Literary Club, Eco-Friendlily club, Creativity Club, Sports Club, Cultural Club
- Participation in Co-Curricular Activities, National Days, International Days like Teacher's Day, Science Day etc. organized by Eternal University.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Himachal Pradesh Private Educational Institutions Regulatory Commission Shimla (HPPERC)

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The department has a sophisticated Nano science & Nanotechnology laboratory. The students are involved in synthesizing nanoparticles which have potential applications in our daily life.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

- Fully developed infrastructure using appropriate technology for classroom teaching
- A young and dynamic faculty with diverse specialization and interests.
- Creativity in teaching and practical demonstrations in the classrooms.
- Coordination with other departments for interdisciplinary activities.
- Well-equipped classrooms and laboratories.
- Research oriented faculty members.
- Focus on Women Empowerment.

Weakness:

- Some students lack good communication skills in English.
- Some of the students come from Remote Areas and lack in certain skills.
- This University is Exclusively for Girls

Opportunity:

- The students are very keen observant and having great urge to learn and explore
- Faculty is highly competent and committed to target oriented
- To increase the research activities in the Department.
- The total environment and divine ambience of the university is highly conducive to promote learning peace, prosperity and harmonious holistic development of children
- Association with various funding agencies like DST, DRDO etc. for approval of grants for projects.

Challenges:

- To achieve maximum enrollment.
- Focus on Campus Placement opportunities.
- To provide Latest and newest Information from the field.

52. Future plans of the department.

- To develop the department as a Center for Studies in Materials Science and Technology.
- To start the courses in the emerging fields like Nanotechnology, Computational Physics etc., so as to develop it as an advanced center of Materials Science and Engineering.
- To achieve academic excellence and overall developments of the students to meet the International standards.

- To cater the needs of nearby industries by producing trained manpower to enhance productivity.
- To offer the analytical and consultancy services to the industries.
- To use the knowledge of Physics for Industrial development.
- To develop entrepreneurship qualities of the students.
- Association with various funding agencies like DST, DRDO etc. for approval of grants for projects.
- To encourage students to participate in the summer schools/ workshops and lectures conducted by other external agencies.
- To organize student enrichment and teacher enrichment programs.
- To establish Linkages and Networking in the Area.

Eternal University Baru Sahib (H.P.)

Akal collage for Basic Science

Evaluative Report of the Department of Botany

1. **NAME OF THE DEPARTMENT:** Botany

2. **YEAR OF ESTABLISHMENT:** July, 2016

3. **Is the Department part of a School/Faculty of the University?**

YES**,** department is under the Akal College of Basic Sciences,

4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**

a. B.Sc. (Hons) Botany
b. M.Sc. Botany

The Akal College of Basic Sciences started B.Sc. (Hons) (Botany) and M.Sc. Botany since July, 2016 (academic year).

5. **Interdisciplinary programmes and departments involved**:

Agriculture

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**

Not Applicable

7. **Details of programmes discontinued, if any, with reasons. :**

Not Applicable

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**

All courses are Semester based.

9. **Participation of the department in the courses offered by other departments:**

The Department of Botany taught some other Botany courses/ paper of the Akal College of Agriculture since (July, 2014).

10. **Number of teaching posts sanctioned, filled and actual (Professors/AssociateProfessors/Asst. Professors/others)**

POSTS	SANCTIONED	FILLED
Assistant Professor	3	1 (Permanent) + 2 (Adhoc)

11.

NAME/ DESIGNATION	QUALIFICATION	SPECIALIZATION	YEARS OF EXPERIENCE	NO. OF PHD STUDENTS GUIDED IN LAST 4 YEARS
Dr. Vivek Sharma (Sr. Assistant Professor)	M.Sc., B.Ed., Ph.D.	Cyto-morphology, Taxonomy, Medicinal Plants (Phytochemistry), Natural Plants Products	3 years & 5 months	NIL
Dr. D.K. Srivastava (Assistant Professor)	M.Sc., Ph.D.	Cyto-morphology, Taxonomy	8 months	NIL
Dr. Manish Kumar (Assistant Professor)	M.Sc., M. Phil. Ph.D.	Cancer chemoprevention studies using natural plant products	8 months	NIL

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Not Applicable

13. Percentage of classes taken by temporary faculty – programme-wise information:

Not Applicable

14. Programme-wise Student Teacher Ratio:

The college follows the UGC norm of 18:1student teacher ratio. Nevertheless this varies depending on the actual admissions done in a particular academic year.

15. **Number of academic support staff (technical) and administrative staff:**
Sanctioned, filled and actual. University staff provides the basic administrative support for all functioning of the department.

16. **Research thrust areas as recognized by major funding agencies:**

Our department is new and still we have not got any funds from various funding agencies.

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received Project-wise:**

Action in this regard still to be taken.

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration: N/A

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR,

AICTE, etc.; total grants received: Department faculty are preparing to get grants for the research from accreditation agencies.

20. Research facility / centre with

a) state recognition

b) national recognition

c) international recognition

Department will apply for recognition in coming years.

21. Special research laboratories sponsored by / created by industry or corporate Bodies:

Not Applicable

22. Publication:

Research Contributions of the Faculty										
Names	Research Publications (International)	Research Publications (National)	Papers in e-journals	Books Published	Chapters to edited books/text books/ Books review	Seminar/ Conference Presentations	Monographs	Citations of works	Impact Factor	h-index
Dr. Vivek Sharma	12	15	--	--	--	25	---	92	23.53	4
Dr. D.K. Srivastava	6	6	--	--	--	7	--	-----	10.50	----
Dr. Manish Kumar	23	3	--	--	1	22	--	84	23.50	6

Over all achievements of the Department of Botany

S. No.	Subject	Number
1.	Number of research paper published in peer reviewed Journal(National/International)	Total no. of Res. Papers of the Department=27+12+26=**65**
2.	Monographs	Nil
3.	Chapter in books	01
4.	Books with ISBN and details of the publisher	Department is going to publish one book on "Medicinal & Aromatic Plants of Himachal Pradesh"
5.	Books Edited	Nil

6.	Number listed in international database (Web science, scopus, Humanities International Complete, EBSCO, Host etc),Citation index-Range/Avreage, SNIP,SJR, Impact Factor-Range/Average, H-Index	Total Impact Factor of the department i.e. 23.53+10.50+23.50=**57.53** Average Impact Factor of the Department=**19.18**
7.	Research Awards received by faculty and students	**Dr. Vivek Sharma:** 1. Got 3rd Position in an International Award i.e. Dr. P. D. Sethi Research Paper Award (2007-2008) for one of the most important and valuable medicinal plant i.e. *Withania somnifera* L. (Ashwagandha). 2. Got 1st Position in a Research Paper Award i.e. in International Journal of Drug Development and Research (An official product of Elsevier) on an aromatic plant *Mentha arvensis* L.
8.	National and International recognitions received by the faculties	Dr. Vivek Sharma has represented North India in 3rd Global Summit on Medicinal and Aromatic Plants held at Chiang mai, Thailand in 2007.
9.	Indicate the average number of M.Phil. And Ph.D. Scholars guided by the faculties	3- Ph.D. and 10-M.Sc. students have already registered for their degrees in the department and research work is going on.

(1.) Dr. Vivek Sharma

(Published=27; In Press=6; Accepted=4), Total=37

1. **Vivek Sharma**, Ajai P. Gupta, Pamita Bhandari, Raghbir C. Gupta, Bikram Singh, A Validated and Densitometric HPTLC Method for the Quantification of Withaferin-A and Withanolide-A in Different Plant Parts of Two Morphotypes of *Withania somnifera*, ***Chromatographia***, 2007, 66, 801-804.
2. **Vivek Sharma**, Nisha Sharma, Preet B. Attri, Raghbir C. Gupta, and Bikram Singh, Cytology and HPTLC Fingerprinting in Different Morphotypes of "Indian Ginseng" *Withania somnifera* (L.) Dunal from North India. ***Bionature***, 28 (2), 2008:69-77.
3. Raghbir C. Gupta , **Vivek Sharma**, Nisha Sharma, Neeraj Kumar, Bikram Singh. *In Vitro* Antioxidant Activity from Leaves of *Oroxylum indicum* (L.) Vent.- A North Indian Highly Threatened and Vulnerable Medicinal Plant. ***Journal of Pharmacy Research***, 2008, 1, 66-72.
4. **Vivek Sharma,** Nisha Sharma, Bikram Singh and Raghbir C. Gupta, Cytomorphological Studies and HPTLC Fingerprinting in Different Plant Parts of Three Wild Morphotypes of *Datura metel* L. "Thorn Apple" from North India. ***International Journal of Green Pharmacy***, 2009, 3 (1): 40-46.
5. Raghbir C. Gupta, **Vivek Shama** and Preet Bala Attri, Cytomorphological Studies and HPLC Determination in Different Plant Parts of Three Wild Morphotypes of Datura metel L. "Thorn Apple" from North India. ***National Workshop on Quality Control of ASU drugs with Pharma Industry as a Partner***, 2009, 129-138.
6. **Vivek Sharma**, Nisha Sharma, Harbans Singh, Devendra K Srivastava, Vijaylata Pathania, Bikram Singh, Raghbir C. Gupta. Comparative Account on GC-MS Analysis

of *Mentha arvensis* L. "Corn Mint" from Three Different Locations of North India. ***Int. J. Drug Dev. & Res.,*** 2009; 1(1):1-9.

7. **Vivek Sharma,** Nisha Sharma, Vijaylata Pathania, Reyaz A. Malik, Bikram Singh, Raghbir C. Gupta. GC-MS Analysis and Antimicrobial Activity of Essential oil of *Mentha piperita* L. from Kullu-A North Indian Region of Higher Altitude Himalayas. ***Int. J. Drug Dev. & Res.,*** 2010, 2(4):40-46.
8. **Vivek Sharma**, Bikram Singh and Raghbir C. Gupta. GCMS Analysis and Anti-microbial Activity of Essential Oil of *Artemisia minor* Jacq. ex Bess. from Lahaul & Spiti (Cold Desert) Region of North India. ***Int. J. Drug Dev. & Res.,*** 2011, 3(1):127-139.
9. **Vivek Sharma**, Nisha Sharma, Vijaylata Pathania, Tulika Mishra, Aruna Bhatia, Bikram Singh, Raghbir C. Gupta. Essential Oil Analysis and Anti-microbial Activity of *Artemisia parviflora* Buch.-Ham. ex D. Don from Losar (4079m)-A cold Desert of North Indian Higher Altitude Himalayas. ***Journal of Essential Oil- Bearing Plants*** **(**2010) 0972-060X Online: 0976-5026 (Taylor & Francis).
10. **Vivek Sharma**. Part Based HPLC-PDA Quantification of Podophyllotoxin in Populations of *Podophyllum hexandrum* Royle "Indian Mayapple" from Higher Altitude Himalayas. ***Journal of Medicinal Plants Studies***, 2013, 1(3): 176-183.
11. **Vivek Sharma**. Comparative Studies on Essential Oil Composition of Rose Scented Geranium "*Pelargonium graveolens*" from Different Higher Altitude Ranges of North Indian Himalayas. ***International Journal of Recent Scientific Research***, 2013, 4 (6) 742-746.
12. **Vivek Sharma**. HPLC-PDA Method for Quantification of Withaferin-A and Withanolide-A in Diploid (n=12) and Tetraploid (n=24) cytotypes of "Indian Ginseng" *Withania somnifera* (L.) Dunal from North India. ***International Journal of Indigenous Medicinal Plants***, 2013, 46(2) 1245-1250.
13. **Vivek Sharma**, Raghbir C. Gupta, Santosh Bala and Bikram Singh. New Chromosome Number Reports in Some Medicinally Important Angiosperms of North India. ***Cytologia,*** 2013, **78(3): 285-296.**
14. **Vivek Sharma**, Raghbir C. Gupta, Bikram Singh, Harcharan Singh Dhaliwal, Devendra Kumar Srivastava. Volatile Oil Composition and Antimicrobial Activity of Essential Oil of Two Varieties of *Ocimum sanctum* (L.) from Dhameta (Kangra)-A North Indian Region. ***International Journal of Recent Scientific Research,*** **2014, 5(1)142-147.**
15. **Vivek Sharma**, Devendra K Srivastava, Bikram Singh, Raghbir C. Gupta, Harcharan S. Dhaliwal. In vitro Antimicrobial Activity and GCMS Analysis of Essential Oil of *Artemisia maritima* (Linn.) from Lahaul & Spiti (Cold Desert) Region of North-Indian Higher Altitude Himalayas. ***Journal of Medicinal Plants Studies*****, 2014, 2(1): 45-52.**
16. **Sharma Vivek,** Sharma Navdeep, Bano Anisha, Kumar Sanjeev, Dhaliwal Harcharan Singh. Atomic Absorption Spectroscopic Determination of Few Major and Trace Elements in Nature's Finest Medicine (Wheatgrass Juice Powder) *Triticum aestivum* L. and their Possible Correlation with Reported Therapeutic Activities: Part-I. ***International Journal of Pharmaceutical & Clinical Research*****, 2014, 6(3): 256-264**.
17. **Vivek Sharma**, Harcharan S. Dhaliwal, Raghbir C. Gupta, Bikram Singh. Comparative Evaluation of Cytomorphological Studies on 27 Accessions of "Indian Ginseng" *Withania somnifera* (L.) Dunal from North India. ***Brazilian Journal of Botany,*** **2014, 37(4) 583-594.** DOI 10.1007/s40415-014-0094-x (**2014, Springer**).
18. **Vivek Sharma**, Harcharan S. Dhaliwal, Raghbir C. Gupta, Bikram Singh. Comprehensive Ethno-botanical Survey and Cytomorphological Status of Some Important Medicinal Plants from Himachal Pradesh-A North Indian State. ***World Journal of Pharmaceutical Research,*** **2014, 3(10): 681-712.**
19. Gurwinder Singh, Bhawandeep Kaur, Navdeep Sharma, Anisha Bano, Sanjeev Kumar, Harcharan S. Dhaliwal, **Vivek Sharma**. *In-vitro* Micropropagation and Cytomorphological Evaluation of *Centella asiatica* (L.) Urban (Mandukparni) from Himachal Pradesh (India) - An Endemic, Endangered and Threatened Herb. ***Plant Tissue Cult. & Biotech.,*** **2014, 24(2): 155-171.**
20. Devendra Kumar Srivastava, **Vivek Sharma,** Chander Bhan Arora, Rajeev Sharma,**.** Characterization and Preliminary Evaluation of *Jatropha curcas* L. Germplasm Under

the Natural Climatic Condition of New Bhusur, Jharkhand (India). ***'INSIGHT' – International Journal of Science*, 2014 (1): 33-38.**

21. Navdeep Sharma, Anisha Bano, Harcharan S. Dhaliwal, **Vivek Sharma.** Perspectives and Possibilities of Indian Species of Genus *Physalis* (L.)– A Comprehensive Review. ***European Journal of Pharmaceutical & Medical Research,* 2015, 2(2): 326-353.**

22. Anisha Bano, Navdeep Sharma, Harcharan S. Dhaliwal, **Vivek Sharma**. *Withania somnifera* (L.) Dunal (Ashwagandha)-A Comprehensive Review. ***British Journal of Pharmaceutical Research***, 7(2):63-75, 2015.

23. Navdeep Sharma, Anisha Bano, Harcharan S. Dhaliwal, **Vivek Sharma.** A Pharmacological Comprehensive Review on 'Rassbhary' *Physalis angulata* (L.). ***International Journal of Pharmacy and Pharmaceutical Sciences,* 2015, 7(8):30-34.**

24. Harcharan S. Dhaliwal, Navdeep Sharma, Anisha Bano, Sanjeev Kumar, **Vivek Sharma**. Non-Enzymatic Assay Based *In-vitro* Antioxidant Activity and Phytochemical Screening of Freeze Dried Wheat (*Triticum aestivum* L.) Seedlings Juice Powder: Nature's Finest Medicine-Part-II. ***International Journal of Pharmaceutical Sciences & Research, 2015, 6(9): 4036-4046.***

25. Devendra Kumar Srivastava, Manjit Inder Singh Saggoo, **Vivek Sharma.** Meiotic Chromosome Number in a Few Taxa of the Lamiaceae from Lahaul-Spiti (Cold Desert) and its Adjoining Areas of North West Indian Himalaya. **Chromosome Botany, 2015. 10: 128-137.**

26. **Vivek Sharma**, Devendra K. Srivastava, Raghbir C. Gupta, Bikram Singh. Abnormal Meiosis in Tetraploid (4x) *Cannabis sativa* (L.) from Lahaul-Spiti (Cold Desert Higher Altitude Himalayas)- A Neglected But Important Herb. **J. Biol. Chem. Chron. 2015, 2(1), 39-42.**

27. Nandita Thakur, **Vivek Sharma,** Kamal Kishore. Leaf Senecence: An Overview. **Ind. J. Plant Physiol. 2016,** DOI 10.1007/s40502-016-0234-3. (Springer).

(2.) Dr. D. K. Srivastava

1. Srivastava, D.K., Saggoo, M.I.S. and Sharma, V. 2015. Meiotic chromosome number in a few taxa of the Lamiaceae from Lahaul-Spiti (Cold desert) and its adjoining areas of North West Indian Himalayan. Chromosome Bot. 2015(10):128-137. (ISSN: 1881-5936).

2. Srivastava, D. K. and Saggoo, M.I.S. 2015. Few medicinal plants of family Labiatae and Scrophulariaceae in the high altitude cold desert areas of Lahaul-Spiti and its adjoining areas of Himachal Pradesh (India). Insight Int. J. Sci. Vol. 2: 75-81. (ISSN: 2394-0360).

3. Sharma, V., Srivastava, D.K. Gupta, R.C. and Singh, B. 2015. Abnormal Meiosis in Tetraploid (4x) Cannabis sativa (L.) from Lahaul-Spiti (Cold Desert Higher Altitude Himalayas)-A Neglected But Important Herb. J. Biol. Chem. Chron. 2(1):38-42. (ISSN print: 2454-7468; Online : 2454-7476).

4. Srivastava, D.K. and Saggoo, M.I.S. 2014. Molecular identification of Verbascum thapsus L. (Ban Tambaaku) and its ITS sequence comparison with other Verbascum L. species. Medicinal Plants- Int. J. Phytomed. & Related Indust. Vol. 6(1): 21-27. (Print ISSN : 0975-4261. Online ISSN: 0975- 6892.). Article DOI : 10.5958/j.0975-6892.6.1.003.

5. Arora, C. B., Sharma, R. and Srivastava, D. K. 2014. Characterization and Preliminary Evaluation of Jatropha curcas L. Germplasm under the Natural Climatic Condition of New Bhusur, Jharkhand (India). Insight Int. J. Sci. Vol. 1: 33-38. (ISSN: 2394-0360).

6. Srivastava, D. K. and Saggoo, M.I.S. 2014. Abnormal Meiosis in Tetraploid (4x) Clinopodium umbrosum (M. Bieb) Koch from Lahul Valley of Himachal Pradesh, India. Insight Int. J. Sci. Vol. 1: 43-49. (ISSN: 2394-0360).

7. Sharma V., Gupta R.C., Singh B., Dhaliwal H.S. and Srivastava, D.K. 2014. Volatile oil composition and Antimicrobial activity of essential oil of two varieties of Ocimum sanctum (L.) from Dhameta (Kangra)-A North Indian Region. Int. J. Rec. Sci. Res. Vol. 5(1): 142-147 (ISSN: 0976-3031).

8. Sharma V., Singh B., Gupta R.C., Dhaliwa H.S., Srivastava D.K. 2014. In vitro antimicrobial activity and GCMS analysis of essential oil of Artemisia maritima (Linn.) from Lahaul & Spiti (Cold Desert) region of North-Indian higher altitude

Himalayas. Journal of Medicinal Plants Studies. Vol. 2 (1):45- 52 (Online ISSN: 2320-3862; Print ISSN: 2394-0530).

9. Srivastava, D.K. and Saggoo, M.I.S. 2013. Chromosome numbers in few members of genus Scrophularia L. from Cold desert regions of Lahaul-Spiti (H. P., India). Chromo. Bot. Vol. 8: 41-44 (ISSN: 1881-5936).

10. Saggoo, M. I. S., Srivastava, D.K. and Grewal, P. 2011. Meiotic studies in 14 species of the Nepeta L. (Lamiaceae) From cold Desert Regions of Lahaul-Spiti and Adjoining areas of NW- Himalaya, India. Cytologia 76 (3): 1-6. (ISSN: 0011-4545).

11. Saggoo, M.I.S. and Srivastava, D.K. 2009. Meiotic Studies in Some Species of Pedicularis L. from Cold Desert Regions of Himachal Pradesh, India (North-West Himalaya). Chromo. Bot. Vol. 4: 83-86. (ISSN: 1881-5936).

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(3.) Dr. Manish Kumar

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23. Details of patents and income generated.

Not yet filed any patent.

24. Areas of consultancy and income generated.

Not Applicable.

25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad:

Not Applicable.

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

1. Dr. Vivek Sharma is also act as a guest faculty member of Bio-Natural Healing College of U.S.A.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, Workshops , training programs and similar programs).

Not Applicable.

28. Student projects:

Percentage of students who have done in-house projects including interdepartmental Projects.

Not Applicable.

Percentage of students doing projects in collaboration with other universities / Industry / institute.

Not Applicable.

29. Awards / recognitions received at the national and international level by

Faculty:

Name of Faculty	Award/ Recognition	Year
Dr. Vivek Sharma	**National / International Awards:** **1.** Got **3rd** Position in an International Award i.e. **Dr. P. D. Sethi Research Paper Award** (2007-2008) for one of the most important and valuable medicinal plant i.e. ***Withania somnifera* L. (Ashwagandha)**. **2.** Got **1st** Position in a Research Paper Award i.e. in International Journal of Drug Development and Research (An official product of Elsevier) on an aromatic plant ***Mentha arvensis* L.**	2007-2010
Dr. D.K. Srivastava	**1.** Bioinformatics: Research and Application" sponsored by Department of Biotechnology (DBT), Gov. of India. New Delhi. Feb.16-18, 2010 at dept. of Biochemistry, University of Lucknow.	2010
Dr. Manish Kumar	**1.** Successfully completed online survey by Springer Publishing House regarding: Writing your Manuscript; Submitting and Peer Review; Peer Reviewing of the manuscript, Book Author Academy and Springer English Academy. **2.** Successfully completed online survey by Elsevier Publishing Campus regarding: How to respond to the reviewers' comments.	

 Doctoral / Post-Doctoral fellows:

Not Applicable

 Students:

Not Applicable

30. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any:

Not Applicable

31. Code of ethics for research followed by the departments:

1. Research should be beneficial for the society first.
2. We follow all ethical guidelines set time to time by UGC and other National & International committee/ bodies.
3. One should not interfere in the research work of other researcher.
4. We always discuss the research work with all faculty members to find out the best Way to complete the work and to get optimum research results.

32. Student profile programme-wise

Name of the Programme (Refer to question no 4)	**Applications received**	**Selected**		**Pass Percentage**	
		Male	**Female**	**Male**	**Female**
B.Sc. (Hon's) Botany	00	00	00	00	00
M.Sc. Botany	15	01	09	01	09

33. Diversity of Students:

Name of the programme (refer to question No 4)	% of students from same University	% students from other University within the sate	% of students from other University from other state	% of students from other countries
B.Sc. (H) Botany	00	00	00	00
M.Sc. Botany	00	80	20	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.:

Not Applicable

35. Student progression:

Not Applicable

Students progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	-
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	0.0 %
from other universities within the State	0.0%
from universities from other States from	100.0%
universities outside the country	0.0%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Faculty	Ph.D.	M. Phil	Masters
Permanent (1)	1	0	0
Adhoc (2)	2	0	0

38. Present details of departmental infrastructural facilities with regard to

a) Library: Only one common University library is there.

YEAR	Books added	Cost of Books (Rs.)	Total Books
2016	---	----	----

b) Internet facilities for staff and students: The Department has full-fledged wired as well Wi-Fi facility for Internet.

c) Total number of class rooms: 2 Class rooms and 1 laboratory.

d) Class rooms with ICT facility: All classrooms are fully equipped with projector and Internet facility.

e) Students' laboratories: One laboratory is there for students

f) Research laboratories: One research laboratory is there for researchers.

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

b) from other institutions/universities

Not Applicable

40. Number of post graduate students getting financial assistance from the university.

Not Applicable

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, of course every department needs deep exercise before starting any new course.

42. Does the department obtain feedback from:

A. faculty on curriculum as well as teaching-learning-evaluation? If yes, how Does the department utilize the feedback?

Yes, every time department utilize that feedback to improve the quality of the teachers & students learning evaluation.

B. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The department always evaluate the curriculum and teaching learning progresses time to time for betterment of the students and staff.

C. alumni and employers on the programmes offered and how does the Department utilize the feedback?

Our department is newly framed and our first batch is ready to complete their degrees.

43. List the distinguished alumni of the department (maximum 10)

Not Applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

During last six months some special lectures have been delivered to M.Sc. students by some esteemed scientists and professors, along with that students and faculty members also take part in symposiums and various scientific workshops of the University.

Year	Special Lectures/ Workshops	Date of the Event	Name of the Individual/ organization/ cos. which conducted
2016	A three days "Student's Visit" for the Botanical Excursion Tour "Botanical Survey of India Northern Circle and FRI –Forest Research Institute. Dehradun (Uttrakhand)	4th to 6th December 2016	

45. List the teaching methods adopted by the faculty for different programmes.

1) We conduct interactive classroom sessions to stimulate the interest and enhance the learning of the students.
2) Problem solving is one way of adding to the botanical research knowledge, it builds on

students' prior understandings. We reinforce practical skills by performing large number of exercises.

3) Academically weak students are identified and remedial classes are arranged by the respective course teachers.
4) Various interdisciplinary lectures and workshops are organized to familiarize students with the various potentialities of the field.
5) We persuade the students to fill the Feedback form to strengthen the quality of teaching learning environment and to look for opportunities to improve teacher's performance in classroom and engagement with students to bring excellence in teaching and learning.
6) We arrange special lectures for the students by faculty members of different departments of our college.
7) Quiz competitions are organized in the tutorial classes to revise the syllabus.
8) Teaching through using audio visual aids.
9) Creating teaching methodology more interesting by imparting deep practical knowledge.
10) To visit various labs and institutes of interests.
11) By participating in various educational trips.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

1. Proper evaluation for teachers has been collected from students in every semester to increase the level of teaching-learning progress.
2. We always compare our curriculum with the State universities as well UGC, instructions are delivered to teachers to increase their level of teaching.

47. Highlight the participation of students and faculty in extension activities.

1. Students always take part in collection and maintenance of plants (Medicinal Plants, commercially important plants) species.
2. The faculty members of the department are involved in various committees of the college such as Time Table committee, examination committee, Botanical club, sports, cultural, Purchase, Infrastructure Committee, a few.
3. The students of the Department of Botany are actively engaged in Eco Club, Innovation Projects, Sports, Cultural activities and other departmental activities.
4. The Department of Botany has a vibrant "**Botanical"** society which was constituted in August 2016. As the name suggests, the society believes in building Botanical skills with the ideas and minds of new generation students.

48. Give details of "beyond syllabus scholarly activities" of the department.

Apart from organizing the educational events like workshops, lectures and seminars for the Students, the Department also organizes events which led to the overall development of Students:

1. Intra-department declamation competitions on 20 November 2016, was also conducted students in large numbers. The exciting gifts were awarded to the winners.
2. A Painting Competition for the students of Botany Department on 25th September 2016 with the theme of the competition as "Importance of Medicinal Plants" A total of 10 students participated in the competition and showed their talent and creativity.
3. A three days "Student's Visit" for the Botanical Excursion Tour to "Botanical Survey of India Northern Circle and FRI –Forest Research Institute. Dehradun (Uttrakhand). A total of 10 students, along with 3faculty members of the Department of Botany, went there.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Not Applicable**.**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

1. Extension programme- selection, collection and maintenance of medicinal plants distributed in local area of baru sahib
2. Department is also engaged in formation of herbal products of some valuable medicinal planets of the adjoining area.
3. Creating a medicinal/herbal plants corner

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

1. A young and dynamic faculty with diverse specialization and interests.
2. Creativity in teaching and practical demonstrations in the classrooms.
3. Coordination with other departments for interdisciplinary activities.
4. Well equipped classrooms and laboratories.
5. Research oriented faculty members.
6. A well maintained Herbal cum Botanical garden.

Weakness

1. To develop a well maintained herbarium.

Opportunities

1. To increase the research activities in the Department.
2. Association with various funding agencies like DBT, DST etc. for approval of grants for projects.

Challenges

1. To achieve 100% pass in the subject as well increase the research orientation and projects for M.Sc. students.
2. Strengthening research facilities and developing linkages.

52. Future plans of the department.

1. To introduce training courses for the students.
2. To increase the research activities in the Department.
3. Association with various funding agencies like DBT, CSIR, DST etc. for approval of grants for projects.
4. To encourage students to participate in the workshops and lecture conducted by other external agencies.
5. To organize student enrichment and teacher enrichment programs.
6. To organize special classes for students of final year M.Sc. Botany to prepare them for the competitive examinations.
7. To motivate large number of students to opt for Botany as discipline course in B.Sc. Programs.
8. To start Ph.D. programs in the Department of Botany.
9. To recruit new faculty members for specialized courses.
10. To sign MOU's with some other research institutes

Evaluative Report of the Department of Biochemistry

1. **Name of the Department**

   Department of Biochemistry

2. **Year of establishment**

   2016

3. **Is the Department part of a School/Faculty of the university?**

   Yes, Akal College of Basic Sciences

4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)**

   B.Sc. (Hons) Biochemistry
   M.Sc Biochemistry
   Ph.D. Biochemistry

5. **Interdisciplinary programmes and departments involved:**

   Faculty members of Department taught various courses in other department also such as
   a) Department of Food Technology (B.Tech. Food Tech, M.sc. Food Technology)
   b) Department of Agriculture (B.Sc. Agriculture)
   c) Department of Zoology (M.Sc. Zoology)
   d) Department of Botany (M.Sc. Botany)

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

   Nil

7. **Details of programmes discontinued, if any, with reasons:**

   Nil

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**

   Semester System

9. **Participation of the department in the courses offered by other departments:**
   a) Department of Food Technology (B.Tech. Food Tech)
   b) Department of Agriculture (B.Sc. Agriculture)
   c) Department of Zoology (M.Sc. Zoology)

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Designation	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	
Associate Professors	00	00	
Asst. Professors	01	01	
Others	NA	NA	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil.students guided for the last 4 years
Dr. B.S. Sohal	Ph.D.	Professor	Biochemistry	35 Y	00
Dr. Punesh Sangwan	Ph.D.	Assistant Professor	Biochemistry	2 Y	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

10-20%

14. Programme-wise Student Teacher Ratio

1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled
Technical Staff	01	01
Administrative Staff	01	01
Others	01	01

16. Research thrust areas as recognized by major funding agencies

- Application of phytases of microbial origin on value addition of foods
- Evaluation of micronutrient bioavailability in local cereal crops

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

- Faculties are putting efforts for getting funds from various agencies.

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration
Yet to be proposed

b) International collaboration:
Yet to be proposed

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Department is in incumbent stage and efforts are on to get funds from the agencies.

20. Research facility / centre with

- **State recognition**
  Departmental research facility has been recognized by HPPERC, Shimla, (Govt. of Himachal Pradesh) and based on this number of PhD seats are allocated each year for new admissions

- **National recognition:** Deptt. is preparing to apply for it.

- **International recognition:** Deptt. is preparing to apply for it.

21. Special research laboratories sponsored by / created by industry or corporate bodies:

Corporate laisoning is on to get sponsorship from them.

22. Publications:

- Number of papers published in peer reviewed journals (national / international)
- Monographs
- Chapters in Books ∗ Edited Books
- Books with ISBN with details of publishers
- Number listed in International Database (For *e.g*. Web of Science, Scopus,
- Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- h-index

Name of Faculty	International Publication	National Publication	Abstract/poster presentation	Review/ Extention article	Book Chapter	Book / Manual	Citation	H-index	i10 index
Dr. B. S. Sohal	50		28	09	3	10	NA	NA	NA
Dr. Punesh Sangwan	08		10	02	04	00	90	05	02

Dr. B. S. Sohal

1. Sohal BS; GL Soni and Rattan Singh. 1978. Studies on acid and alkaline phosphatases in relation to pulses on dietary proteins sources *J Nutr Dietet* 16: 447. (0368-3257)
2. Soni GL; BS Sohal and Rattan Singh. 1979. Comparative effect of pulses on tissue and plasma cholesterol levels of Albino rats. *Ind J Biochem & Biophys* 16(6): 444. (0301-1208)
3. Taneja DS; SK Sondhi and BS Sohal (1989) Investigation of gas problem in tube well pits. *Water Resource Management* 15: 110-116. (0920-4741)
4. Sohal BS; Malvinder Singh and NS Grewal (1991) Survey of family size biogas plants installed in Punjab *SESI Journal* 1(1) 67-72. (0970-2466)
5. Sohal BS; NS Grewal and Malvinder Singh (1991) Poultry feed and alternate feed stock for Biogas plants *Consortium Rural Technology* (1) 17-27. (103-064-618)
6. Soni GL; BS Sohal and Rattan Singh (1991) Role of Pulses as hypocholesterolemic agents *Recent advances in Nutrology* (3) 38-42.
7. Sohal BS and KL Bajaj (1992) Effect of Yellow mosaic virus on polyphenol metabolism in resistant and susceptible mungbean (*vigna radiata* L.WILZEK) *Biochem Physiol Pflnzen* 188 (6) 419-423. (I9875572)
8. Kaur G, BS Sohal, Joginder singh and KL Bajaj (1998) Influence of leaf curl virus (CLCuV) on polyphenol metabolism of resistant and susceptible cotton leaves *Pl Dis Res* 13(1) 23-27. (0970-4914)
9. Jindal P, BS Sohal and KL Bajaj (1998) Effect of Uniconazole on the polyphenol metabolism in leaves of Mungbean (*Vigna radiata* L.WILZEK) infected with Mungbean yellow mosaic virus *Pl Physiol and Biochem* 25 (1) 62-66. (0981-9428)
10. Guleria S, BS Sohal, KL Bajaj and APS Mann (2001) Peroxidases Superoxide dismutase isoforms and pisatin in *Erysiphe pisi* resistant and susceptible pea cultivar *Pl Dis Res* 16(1) 34-39. (0970-4914)
11. Guleria S; BS Sohal; KL Bajaj and APS Mann (2001) Elicitation of enzymes activity and phenols by salicylic acid and γ-aminobutyric acid in pea leaves *Pl Dis res* 16(2) 158-165. (0970-4914)
12. Aujla IS; Sandhu; BS Sohal and PP Singh (2001) Biochemical basis of efficacy of soil amendments in managing stalk rot of cauliflower *Pl Dis Res* 16(2) 220-224. (0970-4914)
13. Guleria S; BS Sohal; KL Bajaj and APS Mann (2001) Accumulation of pathogenesis-related proteins in pea leaves in response to treatment with salicylic acid *Pl Dis Res* 16(2) 235-236. (0970-4914)
14. Sood A; D Jain; APS Naran;, S Kaur; N Malhotra and BS Sohal (2001) Gastric

alchohol dehydrogenase (ADH) activity in alcoholics with and without liver disease *Indian Medical Gazette* Nov-372. (0019-5863)
15. Katoch R; APS Mann and BS Sohal (2002) Enzymic activity and isozymic profile of peroxidase induced by Elicitors and *Erysphe polygoni* in pea (*Pisum sativum* L) *J Veg Crop Prod* 8(1): 11-18. (1548-1689)
16. Katoch R; APS Mann and BS Sohal (2002) Elicitor watering influences the activity of defense related enzymes in pea (*Pisum sativum* L.) *Ind J Pl Physiol* 7(4): 388-391. (0974-0252)
17. Katoch R; APS Mann and BS Sohal (2003) Salicylic acid as an elicitor for the induction of systemic acquired resistance in pea (*Pisum sativum* L.) *J Pl Biol* 30(3): 365-369. (1226-9239)
18. Katoch R; APS Mann; BS Sohal and GD Munshi (2004) Effect of elicitor spray and *Erysiphe polygoni* inoculation on β-1,3-glucanase activity in pea cultivars resistant and susceptible to powdery mildew *Ind J Pl Physiol* 9(3): 316-319. (0974-0252)
19. Guleria S; BS Sohal and APS Mann (2005) Salicylic acid treatment and / or *E.Polygoni* inocultation on activities of phenylalanine ammonia lyase, peroxidase and accumulations of phenolics in leaves of pea (Pisum sativum L.) *J Veg Crop Prod* 11(2) 71-79. (1548-1689)
20. Katoch R; APS Mann and BS Sohal (2005) Enhanced enzyme activities and induction of acquired resistance in pea (Pisum sativum) elicitors *J Veg Crop Prod* 11(1) 67-84. (1548-1689)
21. Sidhu MS and BS Sohal (2005) Characterization of carboxyl esterases from American bollworm in Punjab *J Res (PAU)* 42(4) 454-62. (0048-6019)
22. Katoch R; APS Mann; BS Sohal and GD Munshi (2005) Induction of pisatin synthesis in pea with salicylic acid or inoculation with powdery mildew *J Veg Sci* 11(1) 85-96. (1548-1689)
23. Abdullah NMM; Joginder Singh and BS Sohal (2006) Behavioral hormoligosis in oviposition preference of *Bemesia tabaci* on cotton *Pesticide Biochemistry and Physiology* 84, 10-16. (0048-3575)
24. Sidhu MS and BS Sohal (2007) Esterase activity and I_{50} variation in *Helicoverpa armigera* (Hubner) from different locations in Punjab *J Insect Science* 20 (1) 15-20. (0970-3837)
25. Sangha NK; BS Sohal and G Singh (2007) Relationship between Esterases I_{50} and toxicity of different organophosphates insecticides to *Helicoverpa armigera* (Hubner) collected from two different regions of Punjab *J Res Punjab Agric Univ* 44(3) 222-225. (0048-6019)
26. Sangha NK; BS Sohal and G Singh (2007) Inhibitions study by organophosphate insecticides on general esterases in *Helicoverpa armigera* (Hubner) *J Res. Punjab Agric Univ* 44(2) 151-153. (0048-6019)
27. Randhawa M; KS Sandhu; PP Singh and BS Sohal (2007) Biological control of Fusarium oxysporom f. sp melonis causing muskmelon wilt *Pl Dis Res* 22 (1) 18-22. (0970-4914)
28. Sharma M; BS Sohal and PS Sandhu (2008) Induction of defense enzymes and reduction in Alternaria blight by foliar spray of BTH in *Brassica juncea Crop Improvement* 35 (2) (0256-. 0933)
29. Sharma M; BS Sohal and PP Singh (2008) Study of phenolics and related enzymes in the leaves of *Brassica juncea* (Var.RLM619) sprayed with salicylic acid under field conditions *Pl Dis Res* 23 (1) 11-15. (0970-4914)
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35. Navreet Kaur, B.S.Sohal, K.Singh (2011)Biochemical and physiological changes on *Bacillus thuringiensis* cottonafter imidacloprid foliar spray *Pestic Bioch Phys* 99: 280–2846
36. Sood N and BS Sohal (2012) Induced resistance in *Brassica juncea* L. against Alternaria blight by foliar application of arachidonic acid *Pl Dis Res.* 27(2): 153-57.
37. Sood N and BS Sohal (2012) Studies in relation to chitosan and its potential to enhance defense in *Brassica juncea* L against Alternaria blight *Pl Dis Res.* 27(2): 144-48.
38. Sharma S and BS Sohal (2012) Induction of resistance in *Brassica juncea* (var. RLM619) using elicitors and inoculation with *Alternaria brassicae. Crop Improvement*. Special Issue. Theme B. Pg no. 1047-48 (Short communication). ISSN 0256-0933. (NAAS Rating-3.7)
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50. Thakur M and BS Sohal (2015) Biochemical defense induction in Indian mustard (*Brassica juncea*) and rapeseed (*B. napus*) by salicylic acid and benzothiadiazole. *Proceedings of the National Academy of Sciences India Section B: Biological Sciences*

Dr. Punesh Sangwan

1. Punesh Sangwan, Vinod Kumar, R. S. Khatri, U. N. Joshi (2013) Chromium (VI) induced biochemical changes and gum content in clusterbean *(Cyamopsis tetragonoloba* L.) at different developmental stages. *Journal of Botany,* 2013:1-8, 578627, doi:10.1155/2013/578627
2. Punesh Sangwan, Vinod Kumar, U. N. Joshi (2014) Chromium (VI) affected nutritive value of forage clusterbean (*Cyamopsis tetragonoloba* L.). *International Journal of Agriculture, Environment and Biotechnology*, 2014, 6(1): 217-223
3. Punesh Sangwan, Vinod Kumar, U. N. Joshi (2014) Effect of chromium (VI) toxicity on enzymes of nitrogen metabolism in clusterbean (*Cyamopsis tetragonoloba* L.). *Enzyme Research,* 2014:1-8, 784036, http://dx.doi.org/10.1155/2014/784036
4. Punesh Sangwan, Vinod Kumar, Deepika Gulati, U.N. Joshi (2015). Interactive effects of salicylic acid on enzymes of nitrogen metabolism in clusterbean (Cyamopsis tetragonoloba L.) under chromium (VI) toxicity. *Biocatalysis and Agricultural Biotechnology*. DOI:10.1016/j.bcab.2015.06.001
5. Vinod Kumar, Punesh Sangwan, A. K. Verma, Sanjeev Agrawal. Molecular and biochemical characteristics of recombinant β-propeller phytase from *Bacillus licheniformis* strain PB-13 with potential application in aquafeed. *Applied Biochemistry and Biotechnology,* 2014, 173(2):646-659
6. Vinod Kumar, Punesh Sangwan, Gopal Singh, A. K. Verma, Sanjeev Agrawal: Cloning, sequencing, expression and in silico analysis of β-propeller phytase from Bacillus licheniformis strain PB-13. *Biotechnology Research International*, 2014, 2014: 1-11, Article ID 841353, doi:10.1155/2014/841353
7. Deepika, Umesh Kumar Varshney, Punesh Sangwan, Manogya, Sunder Singh, Preeti: Influence of Salinity on Morpho-Physiological Characters of German Chamomile (*Matricaria Chamomilla* L.). *World Journal of Pharmacy and Pharmaceutical Sciences*, 2015, 4(10): 762-775
8. Deepika Gulati, H.R. Dhingra, Punesh Sangwan, S.K. Pahuja, Manogya, Sunder Singh: Ethylmethane sulphonate (EMS) mediated changes in callus growth of clusterbean (*Cyamopsis tetragonoloba* L.) raised under saline conditions. *International Journal of Agriculture, Environment and Biotechnology*, 2016, 9(6):909-916.

23. Details of patents and income generated:

Deptt. will put efforts to get patents on the research products in upcoming years.

24. Areas of consultancy and income generated:

Research team will be constituted to get consultancy in coming years.

25. Faculty selected nationally / internationally to visit other laboratories / institutions

a. industries in India and abroad

Efforts are on to get the opportunity to visit institutions and laboratories of India and abroad.

26. Faculty serving in

- **National committees b) International committees c) Editorial Boards d) any other (please specify)**

Setting papers and evaluation of Agricultural Scientists Recruitment board(ASRB)examinations.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- All departmental faculty members have attended one day workshop on IPRs: Issues and Challenges at Eternal University Baru Sahib on 14.03.2017

- Departmental faculty members have also participated in special IPR session during IREST-2017 on 07.04.2017 at Eternal University Baru Sahib

28. Student projects

- **Percentage of students who have done in-house projects including inter-departmental projects:**

As the new students will come it will be taken on priority.

- **percentage of students doing projects in collaboration with other universities /industry/institute:**

Will be taken on priority with the students enrollment

29. Awards / recognitions received at the national and international level by

- **Faculty**
- **Doctoral / post doctoral fellows**
- **Students**

NA

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

All departmental faculty members have attended one day workshop on IPRs: Issues and Challenges at Eternal University Baru Sahib. The workshop funded by HP intellectual property Rights cell.

31. Code of ethics for research followed by the departments:

- An institutional bioethics committee has been constituted as per Norms set by Department of Biotechnology, Govt. of India

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc. (Hons) Biochemistry	NA	00	00	NA	NA
M.SC. Biochemistry	NA	00	00	NA	NA
Ph.D. Biochemistry	01	01	00	NA	NA

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.Sc. (Hons)Biochemistry	NA	NA	NA	NA
M.Sc Biotechnology	NA	NA	NA	NA
Ph.D. Biochemistry	NA	NA	01	NA

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Nil

35. Student progression

NA

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	Nil
from universities from other States from	02
universities outside the country	Nil

.

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Currently one students is pursuing Ph.D.

38. Present details of departmental infrastructural facilities with regard to

a. Library:

- Department has maintained a collection of certain journals and research mannuals.

b. Internet facilities for staff and students:

- Students and staffs are provided free, 24x7 internet facilities with individual computers have also been provided to faculty members. Ph.D. Students have also been provided with individual cabins with internet facility of wi-fi.

c. Total number of class rooms: 01

d. Class rooms with ICT facility: 01

e. Students' laboratories: 01

f. Research laboratories: 01

39. List of doctoral, post-doctoral students and Research Associates

a. from the host institution/university: Nil

b. from other institutions/universities: (Doctoral students)

Jungbahadur singh	HNB Garhwal, Uttarakhand

40. Number of post graduate students getting financial assistance from the university.

Yet to be applicable.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, the department has been started keeping in view of need of skilled manpower in Biochemistry and allied sciences.

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, a regular feedback is obtained through a structured feedback schedule

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, a report evaluated by administration based on students remarks and points is usually intimated to concerned faculty member, with final advices and remarks of Hon'ble Vice chancellor

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes, A feedback system has been adopted and suggestions provided by administration. Feedback from prospective alumni will be followed for improvement in research and development.

43. List the distinguished alumni of the department (maximum 10)

NA

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

All departmental students and faculty members have attended one day workshop on IPRs: Issues and Challenges at Eternal University Baru Sahib. The workshop funded by HP intellectual property Rights cell.

45. List the teaching methods adopted by the faculty for different programmes

- Interface and interactive teaching process
- Power point presentations
- Project work
- Credit Seminars and viva
- Assignments and their presentations.
- Laboratory experiments
- Live demonstration of instruments for explaining principle and use of technique

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Through Sessional and End-term theory and practical examinations
- Through seminars of students
- For doctoral students, there is a provision of comprehensive written exam based on all studied courses followed by oral viva in front of competent external subject expert and all committee members
- Encouraging students to participate in research, publishing their research activities and presenting their work in conferences
- Monitoring and feedback

47. Highlight the participation of students and faculty in extension activities.

NA

48. Give details of "beyond syllabus scholarly activities" of the department. Conduction of seminar , Conferences and workshops

Participation in sports and cultural activities.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

- Higher Education Review Rates Eternal University as University of the Year – 2016 for Pragmatic Education.
- According to a recent survey for top 25 deemed and private universities in India, Eternal University secured 6th Position among top emerging universities in India by higher education review magazine.
- According to a recent survey for top 25 deemed and private universities in India, Eternal University secured 8th Position among top universities for Infrastructure Facilities in India by higher education review magazine.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Faculty put efforts on e-learning. Emphasis on collaborative studies of the students.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

- Dynamic and experienced leadership with young and well qualified faculty members.
- Extensive research exposure to students during their PG course.
- Consistent research publications from the department faculties

Weakness

- Enrollment of PG students in the department.

Opportunities

- Career advancement to faculty members for doing post doctoral research.
- Encouragement to all faculty members, Ph.D. scholars and PG students for attending inter-national and national symposium, conferences, workshops in and out of University.
- Provision of limited Ph.D. scholarships funded by the university are available in the department to encourage research activities.
- Collaboration with various institutes for interdisciplinary research and also exchange of material and utilization of various techniques.

Challenges

- To increase the PG students in the department.

- To obtain more externally funded research projects to enrich the laboratory infrastructure.
- To develop a outsourcing facility for educating the students and scholars about analytical tools and techniques.
- To establish more number of international collaborations

52. Future plans of the department.

Several research projects have been submitted or in process of submission/preparation to attract financial assistance from state and national funding agencies.

In near future, the major research focus will be towards:

- Enhancing the nutrient quality, accessibility and profitability of crop plant and fruits of Sirmour district and the Himachal Pradesh for improvement in human health.
- Biochemical characterization of endophytic bacteria to promote plant growth.
- Nutritional analysis of cereal crops and functional food of Himachal Pradesh.
- Crop improvement for nutritional quality
- Purification and characterization of nutritionally important enzymes.
- Study on abiotic stress tolerance in local crop of Himachal Pradesh.
- Study of biochemical aspects of biotic stresses in Maize and Soybean.

Evaluative Report of the Department of Microbiology

1. **Name of the Department**

   Department of Microbiology

2. **Year of establishment**

   2016

3. **Is the Department part of a School/Faculty of the university?**

   Yes, Akal College of Basic Sciences

4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)**

   B.Sc. (Hons.) Microbiology
   M.Sc. Microbiology

5. **Interdisciplinary programmes and departments involved:**

   Department of Biotechnology, Biochemistry, Botany, Zoology, Chemistry, Physics, English, Computer Science and Education.

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

   Nil

7. **Details of programmes discontinued, if any, with reasons:**

   Nil

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**

   Semester System

9. **Participation of the department in the courses offered by other departments:**

   (a) Department of Biotechnology (M.Sc. Biotechnology; Ph.D. Biotechnology)
   (b) Department of Food Technology (B.Tech. Food Tech; M.Sc. Food Tech)
   (c) Department of Zoology (M.Sc. Zoology)

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

Designation	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	00	
Associate Professors	01	00	

Assistant Professors	02	02	
Others	NA	NA	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for last 4 years
Dr. Nasib Singh	Ph.D.	Assistant Professor (Selection Scale)	Medical Microbiology & Parasitology	7.6 Years	Nil
Dr. Priyanka Yadav	Ph.D.	Assistant Professor	Microbial Biotechnology	0.5 Years	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Department has initiated the process of inviting distinguished academicians and research scientists for sharing their expertise with UG, PG and Ph.D. students.

13. Percentage of classes taken by temporary faculty – programme wise information

10-20%

14. Programme-wise Student Teacher Ratio

Department follows the UGC norm of 27:1 student teacher ratio. Current ratio is 3:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled
Technical Staff	01	01
Administrative Staff	01	01
Others	01	01

16. Research thrust areas as recognized by major funding agencies

- Microbiological analysis of Shilajit
- Drug resistance in Enterobacteriacae bacteria
- Diversity of gastrointestinal protozoa and helminth parasites

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Name of Principal Investigator	Name of Co-Principal Investigator	Project title	Grants received	Funding agency	Duration	Status
Dr. Vinod Kumar Sangwan	Dr. Nasib Singh (Proposed)	Screening iron, zinc and carotenoid bioavailability from biofortified staple crops using coupled in vitro digestion/Caco -2 cell model	Rs. 36.45 Lakhs	Department of Biotechnology, Govt. of India	2015-2018	Ongoing project (Please see Annexure A)

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

Name of Principal Investigator	Name of Co-Principal Investigator	Project title	Collaborators	Funding agency	Duration	Status
Dr. Vinod Kumar Sangwan	Dr. Nasib Singh (Proposed)	Screening iron, zinc and carotenoid bioavailability from biofortified staple crops using coupled in vitro digestion/Caco -2 cell model	Indian Institute of Technology, Roorkee; National Institute of Nutrition, Hyderabad	Department of Biotechnology, Govt. of India	2015-2018	Ongoing project, for more information, Please see ANNEXURE A

b) International collaboration:

We have initiated efforts to develop research collaboration with international academic institutes of repute.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Dr. Nasib Singh is involved in a DBT sponsored project (Rs. 36.45 Lakhs) as Co-Principal Investigator. Further, research projects are being submitted to or under evaluation with governmental funding agencies.

20. Research facility / center with

- **State recognition:**

1. With a recognized research center by Himachal Pradesh State council for Science, Technology and Environment (HPSCSTE), Shimla has considered various research proposals for reviewed and external funding.

2. Dr. Nasib Singh served as Coordinator, Registration Committee during HPSCSTE, (Shimla) sponsored One day workshop on "Intellectual Property Rights: Issues and Challenges" held at Eternal University, Baru Sahib on 14 March 2017.

- **National recognition:**

Research infrastructure of microbiology research laboratory is developed with financial assistance from DBT, Govt. of India.

- **International recognition:**

Dr. Nasib Singh served as Member, Conference Technical Committee of 5th International Conference on Engineering and Innovative Materials (ICEIM 2016) held at Kuala Lumpur, Malaysia from Sept. 10-12, 2016

21. Special research laboratories sponsored by / created by industry or corporate bodies:

Department is in process of establishing state or national level microbial research facility in collaboration with reputed institutions.

22. Publications:

Name of Faculty	International Publications	National Publications	Abstract/ poster presentations	Review/ Extention articles	Book Chapter	Book / Manual	Citations	H-index	i10 index
Dr. Nasib Singh	28	3	35	5	4	1	679	15	20
Dr. Priyanka Yadav	12	5	42	2	8	0	145	8	7

Dr. Nasib Singh

1. Sharma P, Singh N, Garg N, Haq W and Dube A (2004). Efficacy of human □-casein fragment (54-59) and its synthetic analogue compound 89/215 against *Leishmania donovani* in hamsters. Peptides 25:1873-1881. doi:10.1016/j.peptides.2004.06.011 (IF: 2.535)
2. Mishra PK, Singh N, Ahmad G, Dube A and Maurya R (2005). Glycolipids and other constituents from *Desmodium gangeticum* with antileishmanial and immunomodulatory activity. Bioorg Med Chem Lett 15: 4543-4546. doi:10.1016/j.bmcl.2005.07.020 (IF: 2.486)
3. Singh N, Mishra PK, Kapil A, Arya KA, Maurya R and Dube A (2005). Efficacy of *Desmodium gangeticum* extract and its fractions against experimental visceral leishmaniasis. Journal of Ethnopharmacology 98: 83-88. doi:10.1016/j.jep.2004.12.032 (IF: 3.055)

4. Dube A, Singh N, Sundar S and Singh N (2005). Refractoriness to the treatment of sodium stibogluconate in Indian kala-azar field isolates persists in in vitro and in vivo experimental models. Parasitology Research 96: 216-223. doi: 10.1007/s00436-005-1339-1 (IF: 2.027)
5. Tripathi S, Singh N, Shakya S, Dangi A, Misra-Bhattacharya S, Dube A and Kumar N (2006). Landrace/gender-based differences in phenol and thiocyanate contents and biological activity in *Piper betle* L. Current Science 91: 746-749 (IF: 0.926)
6. Lakshmi V, Pandey K, Kapil A, Singh N, Samant M and Dube A (2007). In vitro and in vivo leishmanicidal activity of *Dysoxylum binectariferum* and its fractions against *Leishmania donovani*. Phytomedicine 14: 36-42. doi:10.1016/j.phymed.2005.10.002 (IF: 2.937)
7. Samant M, Sahasrabuddhe A, Singh N, Gupta SK, Sundar S and Dube A (2007). Proteophosphoglycan is differentially expressed in sodium stibogluconate sensitive and resistant Indian clinical isolates of *Leishmania donovani*. Parasitology 134: 1175-84. doi: 10.1017/S0031182007002569 (IF: 3.031)
8. Dube A, Singh N, Saxena A and Lakshmi V (2007). Antileishmanial potential of a marine sponge, *Haliclona exigua* (Krikpatrick) against experimental visceral leishmaniasis. Parasitology Research 101: 317-324. doi: 10.1007/s00436-007-0469-z (IF: 2.027)
9. Singh N, Samant M, Gupta SK, Kumar A and Dube A (2007). Age-influenced population kinetics and immunological responses of *Leishmania donovani* in hamsters. Parasitology Research 101: 919-924. doi: 10.1007/s00436-007-0562-3 (IF: 2.027)
10. Singh N, Kumar A, Gupta P, Chand K, Samant M, Maurya R and Dube A (2007). Evaluation of antileishmanial potential of *Tinospora sinensis* against experimental visceral leishmaniasis. Parasitology Research 102: 561-565. doi: 10.1007/s00436-007-0822-2 (IF: 2.027)
11. Kumar P, Kumar A, Sundar S, Dwivedi N, Singh N, Siddiqi MI, Tripathi RP, Dube A and Singh N (2008). *Leishmania donovani* pteridine reductase 1: Biochemical properties and structure-modeling studies. Experimental Parasitology 120: 73-79. doi:10.1016/j.exppara.2008.05.005 (IF: 1.623)
12. Singh N, Kumar R, Gupta S, Dube A and Lakshmi V (2008). Antileishmanial activity in vitro and in vivo of constituents of sea cucumber *Actinopyga lecanora*. Parasitology Research 103: 351-354. doi: 10.1007/s00436-008-0979-3 (IF: 2.027)
13. Dube A, Gupta R and Singh N (2009). Reporter genes facilitating discovery of drugs targeting protozoan parasites. Trends Parasitol 25: 432-439. doi: 10.1016/j.pt.2009.06.006 (IF: 7.295)
14. Singh N, Kaur J, Kumar P, Gupta S, Singh N et al. (2009). An orally effective dihydropyrimidone (DHPM) analogue induces apoptosis-like cell death in clinical isolates of *Leishmania donovani* overexpressing pteridine reductase 1. Parasitology Research 105:1317-1325. doi: 10.1007/s00436-009-1557-z (IF: 2.027)
15. Maurya R, Gupta P, Chand K, Kumar M, Dixit P, Singh N and Dube A (2009). Constituents of *Tinospora sinensis* and their antileishmanial activity against *Leishmania donovani*. Natural Product Research 23: 1134-1143. doi: 10.1080/14786410802682239 (IF: 1.057)
16. Singh N, Gupta R, Jaiswal AK, Sundar S and Dube A (2009). Transgenic *Leishmania donovani* clinical isolates expressing green fluorescent protein constitutively for rapid and reliable ex vivo drug screening. Journal of Antimicrobial Chemotherapy 64: 370-374. doi:10.1093/jac/dkp206 (IF: 4.919)
17. Kaur J, Singh N et al. (2010). *Leishmania donovani*: Oral therapy with glycosyl 1,4-dihydropyridine analogue showing apoptosis like phenotypes targeting pteridine

reductase 1 in intracellular amastigotes. Experimental Parasitology 125: 310-314. doi:10.1016/j.exppara.2010.02.011 (IF: 1.623)
18. Sirohi SK, Singh N, Dagar SS and Puniya AK (2012). Molecular tools for deciphering the microbial community structure and diversity in rumen ecosystem. Applied Microbiology and Biotechnology 95: 1135-1154. doi: 10.1007/s00253-012-4262-2 (IF: 3.376)
19. Sirohi SK, Choudhury PK, Puniya AK, Singh D, Dagar SS and Singh N (2013). Ribosomal ITS1 sequence based diversity analysis of anaerobic rumen fungi in cattle fed on high fiber diet. Annals of Microbiology 63: 1571-1577. doi: 10.1007/s13213-013-0620-2 (IF: 1.232)
20. Sirohi SK, Chaudhary PP, Dagar SS, Singh N, Puniya AK and Singh D (2013). Differential rumen microbial dynamics and fermentation parameters in cattle fed high fibre and high concentrate diet. Indian Journal of Animal Nutrition 30: 60-66 (NAAS: 4.5)
21. Sirohi SK, Chaudhary PP, Singh N, Singh D and Puniya AK (2013). The 16S rRNA and *mcrA* gene based comparative diversity of methanogens in cattle fed on high fibre based diet. Gene 523: 161-166. doi: 10.1016/j.gene.2013.04.002 (IF: 2.319)
22. Sirohi SK, Goel N and Singh N (2014). Utilization of saponins, a plant secondary metabolite in enteric methane mitigation and rumen modulation. Annual Research and Reviews in Biology 4: 1-19. doi: 10.9734/ARRB/2014/5323 (NAAS: 3.68)
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555584.

23. Details of patents and income generated:

Thrust will be given to file patents on research processes and technologies that will be developed at the department.

24. Areas of consultancy and income generated:

Process has been initiated to approach industries for consultancy purposes.

25. Faculty selected nationally / internationally to visit other laboratories / institutions

Various opportunities for national and international visits of the faculty members are being considered.

26. Faculty serving in

- **National committees b) International committees c) Editorial Boards d) any other (please specify)**

Name of Faculty Member	Editorial Board	National Committee	International Committee
Dr. Nasib Singh	1. Frontiers in Microbiology 2. Parasitology Research	--	--
Dr. Priyanka Yadav	--	--	--

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- Departmental faculty members have attended one day workshop on Intellectual Property Rights: Issues and Challenges at Eternal University, Baru Sahib on 14 March 2017.
- Departmental faculty members have also participated in special Intellectual Property Rights session during IREST-2017 on 07 April 2017 held at Eternal University, Baru Sahib.

28. Student projects

- **percentage of students who have done in-house projects including inter-departmental projects:**
  Project work will be assigned to the students as per their academic scheme.

- **percentage of students doing projects in collaboration with other universities /industry/institute:**
  Project work and research trainings will be allotted to the students in the final semester as
  per their academic scheme.

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Dr. Nasib Singh: Served as Member, Conference Technical Committee of 5th International Conference on Engineering and Innovative Materials (ICEIM 2016) held on Sept. 10-12, 2016 at Kuala Lumpur, Malaysia.

Students of B.Sc. (Hons) Microbiology got First prize in Science Model competition during at International Conference on Innovative research in Engineering,
Science and Technology held at Eternal University, Baru Sahib during April 7-8-2017.

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

NA

31. Code of ethics for research followed by the departments:

An institutional bioethics committee has been constituted as per norms set by Department of Biotechnology, Govt. of India

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc. (Hons)	NA	0	05	NA	NA

Microbiology					
M.Sc. Microbiology	NA	0	0	NA	NA

33. Diversity of students

Name of the Programme (refer to que, no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.Sc. (Hons) Microbiology	Nil	NA	NA	Nil
M.Sc. Microbiology	Nil	NA	NA	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NA

35. Student progression

Undergraduate and postgraduate students will be considered for admission to M.Sc. and Ph.D. courses, respectively in the department.

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	0%
from other universities within the State	0%
from universities from other States	100%
From universities outside the country (Dr. Nasib Singh is a former Postdoctoral Fellow of University of Texas, Galveston, USA)	50%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

NA

38. Present details of departmental infrastructural facilities with regard to

a. **Library:**

- Department has maintained a collection of research papers and research manuals.

b. **Internet facilities for staff and students:**

- Students and staffs are provided free, 24x7 internet facilities with individual computers have also been provided to faculty members.

c. **Total number of class rooms**: 01

d. **Class rooms with ICT facility:** 01

e. **Students' laboratories:** 01

f. **Research laboratories:** 01

39. List of doctoral, post-doctoral students and Research Associates

a. **from the host institution/university:** 00
b. **from other institutions/universities:** 00

40. Number of post graduate students getting financial assistance from the university.

None at present

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, the department has been started keeping in view of need of skilled manpower in microbial sciences (infectious diseases, drug development, environmental microbiology, pharmaceuticals etc.).

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, a regular feedback is obtained through a structured feedback schedule

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, a report evaluated by administration based on students remarks and points is usually\ intimated to concerned faculty member, with final advices and remarks of Hon'ble Vice chancellor

C. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes, A feedback system has been adopted and suggestions provided by administration. Feedback from passing out students will be taken from improvement in research and development.

43. List the distinguished alumni of the department (maximum 10)

None, as the first batch of student is admitted in academic session 2016-2017.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Scientific workshop, exhibition and science model competition were organized during 2nd International Conference on Innovative Research in Engineering, Science and Technology (IREST-2017) held at Eternal University, Baru Sahib

45. List the teaching methods adopted by the faculty for different programmes

- Interface and interactive teaching process
- Power point presentations
- Project work
- Credit Seminars and viva
- Assignments and their presentations.
- Laboratory experiments
- Live demonstration of instruments for explaining principle and use of technique

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Through Sessional and End-term theory and practical examinations
- Through seminars presented by students
- Continuous monitoring and feedback

47. Highlight the participation of students and faculty in extension activities.

Students and faculty are encouraged to give their inputs in welfare projects initiated by the University.

48. Give details of "beyond syllabus scholarly activities" of the department.

- Participation in extension activities like Conferences, workshops and model exhibitions
- Participation in Eternal University cultural festival.
- Participation in Annual Sports meet
- Participation in academic tours

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Higher Education Review Rates Eternal University as University of the Year – 2016 for Pragmatic Education.

According to a recent survey for top 25 deemed and private universities in India, Eternal University secured 6th Position among top emerging universities in India by higher education review magazine.

According to a recent survey for top 25 deemed and private universities in India, Eternal University secured 8th Position among top universities for Infrastructure Facilities in India by higher education review magazine.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Department is devoted to provide skilled manpower to academia and industries having expertise in various branches of microbial sciences like infectious diseases, drug development, environmental microbiology, phamaceutical microbiology, plant pathology, food microbiology etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

- Dynamic and experienced leadership with young and well qualified faculty members.
- Extensive field and research exposure to students during their UG and PG course.
- Consistent research publications from the department faculties.

Weakness

- Enrollment of PG students in the department..

Opportunities

- Career advancement to faculty members for doing post-doctoral research.
- Encouragement to all faculty members, Ph.D. scholars and PG students for attending international and national symposium, conferences, workshops in and out of University.
- Collaboration with various institutes promotes interdisciplinary research and also exchange of material and utilization of various techniques.

Challenges

- To increase the PG students in the department.
- To obtain externally funded research projects to enrich the laboratory infrastructure.
- To establish increased number of international collaborations

52. Future plans of the department.

Several research projects have been submitted or in process of submission/preparation to attract financial assistance from state and national funding agencies.

In near future, the major research focus will be towards:

- Prevalence and characterization of gastrointestinal pathogenic protozoan parasites in water bodies/reservoirs and local population of Sirmaur district of Himachal Pradesh.

- Prevalence and characterization of gastrointestinal cestodes and nematodes parasites in small and large domesticated ruminants of Sirmaur district of Himachal Pradesh.
- Rhizospheric microbial diversity of common cereal crops.
- Characterization the antibiotic resistance profile of Mycobacterium tuberculosis by molecular markers in clinical isolates from Himachal Pradesh.
- Characterization of antibiotic resistance genes in bacterial isolates belonging to Enterobacteriaceae and ESKAPE category.

EVALUATIVE REPORT OF THE DEPARTMENT OF MATHEMATICS

1. **Name of the Department:** Department of Mathematics

2. **Year of establishment:** 2009

3. **Is the Department part of a School/Faculty of the university?**

   Yes, Akal College of Basic Sciences

4. **Names of programmes offered : (B.Sc. (Hons. and M.Sc.)**

   a. B.Sc. (H) Mathematics

   b. Discipline Course: M.Sc. in Mathematics

5. **Interdisciplinary programmes and departments involved:**

   Engineering and Technology (B.Tech and M.Tech . , B.A. Maths , B.Sc. Non Medical , B.Com , M.Com , MBA, Agriculture , B.Sc. Economics , Food Technology , B.Sc. (Hons. in Physics, Chemistry and Biotechnology, B.Sc. Psychology, B.Ed)

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** Not Applicable

7. **Details of programmes discontinued, if any, with reasons:** No

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:** Semester system

9. **Participation of the department in the courses offered by other departments:**

   Different Mathematics courses are offered in Engineering and Technology (B.Tech and M.Tech., B.A. Maths , B.Sc. Non-Medical , B.Com , M.Com , MBA, Agriculture , B.Sc. Economics , Food Technology , B.Sc. (Hons. in Physics, Chemistry and Biotechnology, B.Sc. Psychology, B.Ed)

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors /Asst. Professors/others)**

	Sanctioned	Filled	Actual (Including CAS&MPS)
Professor	1	1	
Associate Professors	-	0	
Asst. Professors	3	3	
Others (Guest faculty from other college)	-	1	

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**

Name	Qualification	Specialization	Years of experience	No. of Ph.D. students Guided in last 5 years
Dr. Sandipan Gupta	B.Sc. (Hons), B.Ed., M.Phil., Ph.D.	Applied Mathematics	23 years	M.Phil., M.Tech and M.Sc. 05
Dr. Surjan Singh	M.Sc.(Comp. Science), M.Sc. Math M.Phil., Ph.D.	Applied Mathematics	10 years	NIL
Dr. Dinesh Kumar	Ph.D.	Applied Mathematics	6 months	NIL
Mr. Lakhwinder Singh	B.Ed., M. Phil.	Pure Mathematics	14 years	NIL

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Prof. Michael N. Bleicher, Specialist of Number Theory

13. Percentage of classes taken by temporary faculty – programme-wise information

B.Sc. (H) Mathematics (2016-17)	30%
Discipline Course: Mathematics of B. Sc. Economics(2016-17)	30%
Mathematics of B. Sc. Non-Medical (2016-17)	33%

14. Programme-wise Student Teacher Ratio:

The college follows the UGC norm of 18:1student teacher ratio. Nevertheless this varies depending on the actual admissions done in a particular academic year.

15. Number of academic support staff (technical) and administrative staff:

Services of supporting staff are obtained from university.

16. Research thrust areas as recognized by major funding agencies:

Operations Research, fuzzy theory, neural network, Digital image processing

17. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. :

Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration:

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil

20. Research facility / centre with: Nil

- State recognition - Nil
- National recognition - ICSSR
- International recognition - N/A

21. Special research laboratories sponsored by / created by industry or corporate Bodies:

Mathematics Lab and CAL Lab

22. Publications:

Names	Research Publications (International)	Research Publications (National)	Papers in e-journals	Books Published	Chapters to edited books/ text books/ Books review	Seminar/ Conference Presentations	Monographs	Citations of works	Impact Factor	h-index
Dr. Sandipan Gupta	11	-	-	-	-	2	-	-	-	-
Dr. Surjan Singh	14	-	-	2	-	3	-	15	-	-
Dr. Dinesh Kumar	15	-	-	-	1	3	-	15	-	-
Mr.Lakhwinder Singh	-	-	-	-	-	-	-	-	-	-

List of Publications

- Surjan Singh, Dinesh Kumar and K. N. Rai. (2014) "Convective-Radioactive Fin with Temperature Dependent Thermal Conductivity, Heat Transfer Coefficient and Wavelength Dependent Surface Emissivity", Propulsion and power Research (Elsevier), ISSN: 2212-540X,3(4):207–221.
- Dinesh Kumar, Surjan Singh and K. N. Rai (June2016), "Analysis of classical Fourier, SPL and DPL heat transfer model in biological tissues in presence of metabolic and external heat source" Heat Mass Transfer (Springer), Volume 52, Issue 6, pp 1089–1107 ISSN 0947-7411, DOI 10.1007-015-1617-0. SCI, Impact factor 1.044.
- Surjan Singh, Subrahamanyam Upadhyay, K. N. Rai, (2014), "Comparative Analysis of Power-Law type Fn problem Using Wavelet Collocation and Galerkin

Methods", Int. J. of Applied Mathematical Research, 3 (4) ,PP 534-546. **ISSN:** 2227-4324, Impact Factor- 0.7578.

- Surjan Singh , Dinesh Kumar and K N Rai (2015), "Wavelet Collocation Solution of Non–Linear Fin Problem with Temperature Dependent Thermal Conductivity and Heat Transfer Coefficient". Int. J. of Non- Linear Analysis and Application. ISSN No.:2008-6822., Vol.6 No.1,PP. 105-118. Impact Factor 1.0447.
- Subhrahmanyam Upadhyay, Surjan Singh, Sarita Yada, K.N. Rai, (2015), "Numerical solution of two point boundary value problems by walelet Galerking method", Applied Mathematical Research Vol4, No.4 pp. 496-512. **ISSN:** 2227-4324,Impact Factor- 0.7578.
- Surjan Singh, Dinesh Kumar and K. N. Rai,(2013), "Wavelet Collocation Solution for Convective Radiative Continuously Moving Fin with Temperature-Dependent Thermal Conductivity" International Journal of Engineering and advanced Technology ISSN: 2249 – 8958, Vol.-2, Issue-4,10-16. Impact Factor 1.121.
- Tikam Singh, Bijendra Singh and Surjan Singh, (2005), "Degree of approximation to a class of continuous functions with Banach space", Varahmihir Journal of Mathematical Sciences ISSN-0972-7329, 5(1), 289-296.
- Surjan Singh, (2005), "Degree of approximation to a class of continuous functions with Conjugate series", Varahmihir Journal of Mathematical Sciences ISSN-0972-7329, 5(2), pp.379-386.
- Divesh Kumar, Amit Sharma and Surjan Singh, (2017) "Entity Based Distinctive Secure Storage and Control Enhancement in Cloud" I.J. Information Engineering and Electronic Business, Vol.9(1), ISSN: 2074-9031, PP 10-19.Impact Factor 0.642.
- Milandeep Kour, Kajal Chaudhary (Corresponding Author), Surjan Singh, Baljinder Kaur, "A STUDY ON IMPACT OF GST AFTER ITS IMPLEMENTATION", International Journal of Innovative studies Sociology and Humanities, Vol. 1, Issue: 2, November 2016, PP. 17-24. ISSN No. 2456-4931.
- Supreet Kaur Jaggi , Kajal Chaudhary , Surjan Singh , Milandeep Kour, "Swachh Bharat: Clean India: Green India", International Journal of Innovative studies Sociology and Humanities, Vol. 1, Issue: 2, November 2016, PP. 17-24. ISSN No. 2456-4931.
- P. Kumar, Dinesh Kumar and K.N. Rai, Numerical simulation of dual-phase-lag bioheat transfer model during thermal therapy, Mathematical Biosciences 281 (2016) 82–91 Impact Factor: 1.256 (Elsevier).
- P. Kumar, Dinesh Kumar and K.N. Rai, Non-linear dual-phase-lag model for analyzing heat transfer phenomena in living tissues during thermal ablation, *Journal of Thermal Biology 60 (2016): 204–212.* Impact Factor: 1.62 (Elsevier).
- Dinesh Kumar and K.N. Rai, A Study on thermal damage during hyperthermia treatment based on DPL model for multilayer tissues using finite element Legendre wavelet Galerkin approach, *J. Thermal Biology 62 (2016):170-180.* Impact Factor: 1.62 Citation-01 (Elsevier)
- Dinesh Kumar, P. Kumar and K.N. Rai, A study on DPL model of Heat Transfer in Bi-layer Tissue during MFH treatment, *Computer in Biology and Medicine 72*

(2016):160-172. Impact Factor: 1.52 Citation-02 (Elsevier)

- Dinesh Kumar, Surjan Singh and K.N. Rai, Analysis of classical Fourier, SPL and DPL heat transfer model in biological tissues in presence of metabolic and external heat source, *Heat and Mass transfer 52 (6)(2016):1089-1107.* Impact Factor: 1.044,Citation-07 (Springer)
- P. Kumar, Dinesh Kumar and K.N. Rai, A numerical study on dual - phase - lag model of bio-heat transfer during hyperthermia treatment, *J. Thermal Biology, 49-50 (2015): 98-105.* Impact Factor: 1.62, Citation-11 (Elsevier)
- Sarita Yadav, Dinesh Kumar and K.N. Rai, Legendre Wavelet Galerkin Approach to Inward Solidification in Simple Body under Most Generalized Boundary Condition, *Z. Naturforsch 69a (2014) : 501 - 510.* Impact Factor: 0.886, Citation-04
- Surjan Singh, Dinesh Kumar and K.N. Rai, Wavelet Collocation Solution of Non-linear Fin Problem with Temperature Dependent Thermal Conductivity and Heat Transfer Coefficient, *Int. J. Nonlinear Anal. Appl.* 6 (2015) No. 1, 105-118 Impact Factor: 1.0447.
- Surjan Singh, Dinesh Kumar and K.N. Rai, Convective-Radiative Fin with Temperature Dependent Thermal Conductivity, HEAT Transfer Coefficient and Wavelength Dependent Surface emissivity, *Propulsion and Power Research 3(4) (2014) : 207-221.* (Elsevier
- Dinesh Kumar, P. Kumar and K.N. Rai, Numerical Study on non-Fourier Bio heat Transfer During Thermal Ablation, *Procedia Engineering 127* (*2015) : 1300-1307.* P. Kumar, Dinesh Kumar and K.N. Rai, A Mathematical Model for Hyperbolic Space-fractional Bioheat Transfer during Thermal Therapy, *Procedia Engineering 127* (*2015*)*:56-62.* (Elsevier)
- Surjan Singh, Dinesh Kumar and K.N. Rai, Wavelet collocation solution for convective radiative continuously moving fin with temperature dependent thermal conductivity, *Int. J. Eng. Adv. Technol.* 2 (4), 10-16. Impact Factor: 3.84. Citation-03
- Dinesh Kumar, Surjan Singh and K.N. Rai, Steady State Temperature Distribution in Biological Tissue Using Wavelet Collocation Method, *Int. Con. On Emer. Trends in Comp. and Appl. Math., June 2-4, 2014.* Citation-01
- Surjan Singh, Dinesh Kumar and K.N. Rai, Exact and Wavelet Collocation Solution of Fin Problem with Temperature Dependent internal Heat Generation, *ICHMT DIGITAL LIBRARY ONLINE - Proc. of CONV-14 : Int. Sym. on Conv. Heat and Mass Trans. June 08 - 13, 2014.*
- Surjan Singh, Dinesh Kumar and K.N. Rai, Effect of Geometrical Configuration on Temperature Distribution in Fin, *Int. Con. On Emer. Trends in Comp. and Appl. Math., June 2-4, 2014.*
- Sandipan Gupta and M. Chakraborty, " Job Evaluation in Fuzzy Environment", Fuzzy Sets and Systems, Vol. 100, pp. 71-76, 1998.
- Sandipan Gupta and M. Chakraborty, " Linear Fractional Programming Problem: A Fuzzy Programming Approach" The Journal of Fuzzy Mathematics, Vol. 6, pp. 873-880, 1998.
- Sandipan Gupta and M. Chakraborty, " Stochastic Fuzzy Mathematical Programming and Decision", The Journal of Fuzzy Mathematics, Vol. 6, pp. 637-

647, 1997.

- Sandipan Gupta and M. Chakraborty, "Stochastic Linear Programming and Decision: A Fuzzy Programming Approach", Opsearch, Vol. 34, pp. 167-179, 1997.
- Sandipan Gupta and M. Chakraborty, " Multi Objective Linear Programming: A fuzzy Programming Approah", International Journal of Management and Systems, Vol. 13, pp. 207-214, 1997.
- Sandipan Gupta and M. Chakraborty, " Fuzzy Programming Approach for a Class of Multiple Objective linear Fractional Programming Problem" The Journal of Fuzzy Mathematics (Accepted).
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- Sandipan Gupta and M. Chakraborty, " Fuzzy Mathematical Programming for Multi Objective Linear Fractional Programming Problems" Fuzzy Sets and Systems, Volume 125,pages 335-342, 2002.
- Sandipan Gupta and M. Chakraborty, " Multiple Objective Linear Functional Programming: A Restricted Class" Fuzzy Sets and Systems (Communicated).
- Sandipan Gupta and M. Chakraborty, " Multiple Objective Linear Functional Programming: A Restricted Class" Fuzzy Sets and Systems (Communicated).
- Sandipan Gupta and M. Chakraborty, " A Methodology for a restricted class of Multiple objective linear factional programming problem: A Fuzzy Approach" Opsearch (Communicated).
- Nidhi Rani and Sandipan Gupta, "An Overview of Neural Network as an Application in Software Engineering", International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, pages 1088-1092, 2014.
- Surjan Singh, Dinesh Kumar and K N Rai (2014) ,"Exact and Wavelet Collocation Solution of Fin Problem with Temperature Dependent Internal Heat Generation", International Centre for Heat and Mass transfer Digital Library-Begell House Proceeding of CONV-14 Int. Symp. On Convective Heat and Mass Transfer, June 8-13, No. 173, **ISSN:** 961-91393-0-5, Turkey,Pages14.
- Sandipan Gupta and M. Chakraborty, " A Methodology for a restricted class of Multiple objective linear factional programming problem: A Fuzzy Approach" Opsearch (Communicated).
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- Surjan Singh, Dinesh Kumar and K N Rai. (2014), "Effect of Geometrical Configuration on Temperature Distribution in Fin". Paper Presented and Published in Proceeding Immerging trends in Applied Mathematics held at ITM University Gurgaon, India June 2-4, ISBN;-978-93-81212-769-76-9. PP. 54-61
- Dinesh Kumar, Surjan Singh and K. N. Rai (2014), "Steady State Temperature Distribution in Biological Tissue Using Wavelet Collocation Method." Paper Presented and Published in Proceeding Immerging trends in Applied Mathematics held at ITM University Gurgaon, India, ISBN: -

∗ Number of papers published in peer reviewed journals (national / international): Nil

∗ Monographs: Nil

∗ Chapters in Books/ Edited Books: 02

∗ Books with ISBN with details of publishers (As Above)

∗ Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil

∗ Citation Index – range / average

Name of Faculty	Citations of Works - Name where Research is Cited and Number of Citations	Publisher	Year
Dr. Sandipan Gupta	20	-	-
Dr. Surjan Singh	20	-	-
Dr. Dinesh Kumar	25	-	-

∗ SNIP: Nil

∗ SJR: Nil

∗ Impact Factor – range / average: Nil

∗ h-index: Nil

23. Details of patents and income generated: N/A

24. Areas of consultancy and income generated: Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- Lecture on Genius Shriniwasa Ramanujan Iyenger on Nation Mathematics day 22nd Dec. 2016 at Gov. .Shamsher Senior Secondary School Boys Nahan Dist. Sirmour (H.P.) duration 75 minuts.

- Training Provided to Punjab State Teachers at RICM Chandigarh on 8-9 February 2016, 8 lectures.

- Training Provided to Punjab State Education board Teachers at RICM Chandigarh on 5th May 2016, 3 lectures.

- Conducted "Hand on Training Programme on C and MATLAB" at DST-CIMS, BHU, from 27.01.2015 to 02.02.2015.

- Co-ordinator : National seminar on Latest Mathematical Tools & Their Application in Engineering and Technology, Organized by Dept. of Applied Science and Humanities, March 12-13, 2010.

28. Student projects:

Departmental Projects	
a) Percentage of students who have done in-house projects including inter departmental/ on-going programme	**100 %**
b) Percentage of students placed for projects in organizations outside the institution *i.e.*in Research laboratories/Industry/ other agencies	**0 %**

- Percentage of students who have done in-house projects including interdepartmental

  Projects -100%

- Percentage of students doing projects in collaboration with other universities

  / Industry / institute: Nil

29. Awards / recognitions received at the national and international level by

Faculty: N/A
Doctoral / post-doctoral fellows: N/A
Students: N/A

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. :

Not by the Department but University has conducted the Workshop which the faculty from the Department has attended as mentioned above

31. Code of ethics for research followed by the departments: Yes

Basic ethic principals that are followed by department are given below.

Honesty

Strive for honesty in all scientific analysis communications. Honestly report data, results, methods and procedures, and publication status. Do not fabricate, falsify, or misrepresent data.

Objectivity

Strive to avoid bias in experimental design, data analysis, data interpretation, peer review, personnel decisions, grant writing, expert testimony, and other aspects of research where objectivity is expected or required. Avoid or minimize bias or self-deception.

Carefulness

Avoid careless errors and negligence; carefully and critically examine your own work and the work of your peers. Keep good records of research activities, such as data collection, research design, and correspondence with agencies or journals.

Respect for Intellectual Property

Honor patents, copyrights, and other forms of intellectual property. Do not use unpublished data, methods, or results without permission. Give proper acknowledgement or credit for all contributions to research. Never plagiarize.

Confidentiality

Protect confidential communications, such as papers or grants submitted for publication, personnel records, trade or military secrets, and patient records.

Responsible Publication

Publish in order to advance research and scholarship, not to advance just your own career. Avoid wasteful and duplicative publication.

Responsible Mentoring

Help to educate, mentor, and advise students. Promote their welfare and allow them to make their own decisions.

Social Responsibility

Strive to promote social good and prevent or mitigate social harms through research, public education, and advocacy.

Non-Discrimination

Avoid discrimination against colleagues or students on the basis of sex, race, ethnicity, or other factors not related to scientific competence and integrity.

Competence

Maintain and improve your own professional competence and expertise through lifelong education and learning; take steps to promote competence in science as a whole.

Legality

Know and obey relevant institutional laws and governmental policies.

Human Subjects Protection

When conducting research on human subjects minimize harms and risks and maximize benefits; respect human dignity, privacy, and autonomy; take special precautions with vulnerable populations; and strive to distribute the benefits and burdens of research fairly.

32. Student profile programme-wise:

Name of the Course/Programme	Application received	Selected		Pass percentage	
		Male	Female	Male	Female
	5	-	4	-	**Batch Running**
M.Sc. Mathematics (2015-16)	3	-	2	-	**Batch Running**
M.Sc. Mathematics (2016-17)	3	-	3	-	**Batch Running**

33. Diversity of Students:

Name of the programme	% of students from the same university	% of students from the other university within the state	% of students from the universities outside the state	% of students from the other countries
B.Sc. (Hons.) Mathematics	-	**75%**	**25%**	-
M.Sc. (Hons.) Mathematics				
2015-16	-	**50%**	**50%**	-
2016-17	-	**75%**	**25%**	-

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. :** Nil

35. Student progression

Students progression	Percentage against enrolled
UG to PG	1 (33%)
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	NA
Entrepreneurs	NA

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	0
from other universities within the State	0
from universities from other States from	100%
universities outside the country	1 (Visiting)

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** 3

38. Present details of departmental infrastructural facilities with regard to

a) Library: Details of books are available in Central Library.

b) Internet facilities for staff and students: College has full -fledged wired as well as Wi-Fi facility for Internet

c) Total number of class rooms: 03

d) Class rooms with ICT facility: Some classrooms are equipped with projector and Internet facility.

e) Students' laboratories: Laboratory: Computer Laboratory is shared with Computer Science Departmental Lab with more than 100 computers.

f) Research laboratories: 1

39. List of doctoral, post-doctoral students and Research Associates: NA

a) From the host institution/university

b) From other institutions/universities

40. Number of post graduate students getting financial assistance from the university:

Number of students receiving financial assistance from government agencies: students belonging to Minorities groups receive scholarships from the State Government.

41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**

Yes, the departmental faculty members submit their contents and assessment is done through of board of studies. Than it is submitted to academic council for final approval.

42. Does the department obtain feedback from

a. F**aculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Faculty provides feedback on curriculum as well as teaching learning evaluation to HOD and Dean and department makes necessary amendments accordingly.

b. **Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :**

The Department obtains feedback from students on staff, curriculum, as well as teaching-learning evaluation. Department utilizes feedback for further analysis of faculty performance and the feedback report is also handed over to the faculty members. Also, the department utilizes the feedback on curriculum when the syllabi are revised. The department positively responds to the feedback and rectifies the areas where modifications are required. After verifying the students‟ feedback, appropriate teaching techniques are adopted. Student representatives from each section make contributions by giving feedback on the student experiences and perspectives. Based on this feedback, the department takes necessary steps to satisfy them.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?:

When the students will pass out feedback will be taken regarding university affairs and that will be utilized for improvement.

43. List the distinguished alumni of the department (maximum 10): NA

44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Year	Special Lectures/ Workshops	Date of the Event	Name of the Individual/ organization/ cos. which conducted
2017	A one-day “Intellectual Property right” workshop	March 14th , 2017	Eternal University Baru Sahib HP

45. List the teaching methods adopted by the faculty for different programmes.

(i) We conduct interactive classroom sessions to stimulate the interest and enhance the learning of the students.
(ii) Problem solving is one way of adding to the mathematical knowledge; it builds on students' prior understandings. We reinforce mathematical skills by performing large number of exercises.
(iii) Academically weak students are identified and remedial classes are arranged by the respective course teachers.
(iv) Various interdisciplinary lectures and workshops are organized to familiarize students with the various potentialities of the field.
(v) We persuade the students to fill the Feedback form to strengthen the quality of teaching learning environment and to look for opportunities to improve teacher's performance in classroom and engagement with students to bring excellence in

teaching and learning.

(vi) We arrange special lectures for the students by faculty members of different departments of our college.

(vii) Quiz competitions are organized in the tutorial classes to revise the syllabus.

46. **How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?:**

- Through Sessional and final examinations
- Through seminars of students
- For doctoral students, there is a provision of comprehensive written exam based on all studied courses followed by oral viva in front of competent external subject expert and all committee members
- Encouraging students to participate in research, publishing their research activities and presenting their work in conferences
- Monitoring and feedback

47. **Highlight the participation of students and faculty in extension activities.**

- The faculty members of the department are involved in various committees of the college such as Time Table committee, Purchase, Stock Disposal to Stock Verification Committee and I.T. Infrastructure Committee to name a few.
- The students of the Department of Mathematics are actively engaged in NSS, Sports Club, Placement Cell, Innovation Projects, Cultural Activities and other departmental activities.
- Apart from organizing the educational events like workshops, lectures and seminars for the students, the Department also organizes events which led to the overall development of students:

48. Give details of "beyond syllabus scholarly activities" of the department.

Department trained the students in Matlab and Latex.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.:

Himachal Pradesh Private Educational Institutions Regulatory Commission, Shimla

50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

M.Sc. Students are involved in dissertation work.

51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.:**

Strength

- A young and dynamic faculty with diverse specialization and interests.

- Creativity in teaching and practical demonstrations in the classrooms.
- Coordination with other departments for interdisciplinary activities.
- Well-equipped classrooms and computer laboratories.
- Research oriented faculty members.

Weakness

- Some students are lacking communication skills in English.
- Students come from poor socio-economic background.
- Connectivity problem due to remote areas
- How to make mathematics as joyful to the students
- Mathematical journals are insufficient for research work, online journals not available.

Opportunity

- Ph.D. in Mathematics
- Research in Mathematics
- To increase the strength in future
- To tie up with more different campus placements

Challenges

- Traditional attitudes of rural folk about girls education
- Remote and hilly Location
- To achieve maximum enrollment.
- Focus on Campus Placement opportunities.
- To provide Latest and newest Information from the field.

52. Future plans of the department:

- Two days workshop in Latex
- Seven days workshop in Matlab
- One week training program on Mathematical tools (Scilab, Mapple, Mathematica, Geogebra SPSS, Python)
- Mathematical modelling of growth rate of worms.
- Mathematical Study on human face structure and behaviour. Effect of time, space, Rashi, Graha, Nakshatra.
- To introduce certificate courses for the students.
- To increase the research activities in the Department.
- Association with various funding agencies like DBT, DST etc. for approval of grants for projects.
- To encourage students to participate in the summer schools/ workshops and lecture conducted by other external agencies.
- To organize student enrichment and teacher enrichment programs.
- To organize special classes for students of final year Mathematics (H) to prepare them for the competitive examinations.
- To motivate large number of students to opt for Mathematics as discipline course in B.Sc (Hons.) and M.Sc. program.

EVALUATIVE REPORT OF THE DEPARTMENT OF ENGINEERING AND TECHNOLOGY

1. **Name of the Department:** Akal College of Engineering and Technology

2. **Year of establishment:** 2007

3. **Is the Department part of a School/Faculty of the university?**

   Yes

4. **Names of programmes offered: UG, PG, and Ph.D.:**

   - B. Tech. (Electronics & Communication Engineering)
   - B. Tech. (Computer Science Engineering)
   - B. Tech. (Electrical & Electronics Engineering)
   - M. Tech. (Electronics & Communication Engineering)
   - M. Tech. (Computer Science Engineering)
   - M. Tech. (Renewable Energy)
   - Ph. D. (Computer Science Engineering)
   - Ph. D. (Renewable Energy)

5. **Interdisciplinary programmes and departments involved:**

   All the Department of engineering and Basic Sciences are involved and interdisciplinary nature.

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**

Course Name	Collaborator
M.Tech. Renewable Energy	Ministry of New and Renewable Energy
B.Tech EEE and ECE	Central Electronics Engineering Research Institute

7. **Details of programmes discontinued, if any, with reasons:**

   NA

8. **Examination System:**

   All courses are semester based. Courses are based on CBCS (Choice Based credit System)

9. **Participation of the department in the courses offered by other departments:**

Programme	Course Participation
B.Sc.	Electronics & Computer courses
M.Sc.	Electronics and Computer course

B A	Computer Course
MBA	Computer Courses
Commerce	Computer Courses
Economics	Computer Courses

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned		Filled		Actual (including CAS & MPS)
	2015-16	2016-17	2015-16	2016-17	
Professor	7	3	2	1	NA
Associate Professors	6	3	0	1	NA
Asst. Professors	19	12	16	17	NA
Technical Staffs	11	8	0	4	NA

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. P. S. Cheema	Ph.D	Professor	Computer Engineering	21	3
Dr. Noor Danish Ahrar Mundari	Ph.D	Associate Professor	Electrical & Electronics Engineering	6	M.Tech. = 4 M.Sc. = 1
Dr. Sudhakar Panday	Ph.D	Assistant Professor	Nano electronics, Solar Cell Technology	7.5	0
Dr. Devi Lal Punia	Ph.D	Assistant Prof.	Electrical Power System	12	0
Dr. Ruhit Jyoti Konwar	Ph.D	Assistant Professor	Fuel Cells and Hydrogen Energy, Solar Thermal Technology	2years 3month	PhD Guided=01 M. Phil =0 M. Tech =04
Mrs. Abhilasha Sharma	M.Tech (ECE)	Assistant Professor	Telecom Network Design	11	8
Mrs. Aditi Thakur	M.Tech (ECE)	Assistant Professor	Antenna Design	8.5	0
Mr.Rajeev Thakur	M.Tech (ECE)	Assistant Professor	Free Space Optics	8.5	3
Ms. Daljeet Kaur	M.Tech (ECE)	Research Scholar	Cognitive Radio Networks & Renewable Energy	4	0

Mr. Amit Sharma	M.Tech (CSE)	Assistant Professor	Cloud Computing	7.9	1
Mrs. Satinderjit Kaur	MTech	Assistant Professor	Software Engineering	9.3	3
Ms. Meenal Sharma	M.Tech	Assistant Professor	Computer Science & Engineering	1.7	0
Ms.Gurpreet Kaur	M.Tech CSE	Assistant Professor	Computer Networks	1 year	0
Ms. Karambir Kaur	M.Tech	Assistant Professor	CSE-Big Data analytics	7 months	0
Mrs. Shanu Sood	M.Tech (CSE)	Assistant Professor	Cloud Computing	5	0
Mr. Kuldeep Singh Dhaliwal	M.Tech	Assistant Professor	Mechanical Engineering	03	
Ms. Sheetal Charbathia	M.Tech.	Assistant Professor	CSE	1.8	0
Mr. Ravinderjit Singh	Graduation & CTI	Workshop Incharge	------	24	-------
Mr. Chaman Lal	ITI, CTI, App.	Workshop Incharge	------	21	-------

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Name of the faculty	Organization
Dr. Jyotindra Singh Sahmbi	IIT Ropar

13. Percentage of classes taken by temporary faculty – programme-wise information:

Program	Faculty	% classes
B. Tech	Dr. Jyotindra Singh Sahmbi	2%

14. Programme-wise Student Teacher Ratio:

- B. Tech. (Electronics & Communication Engineering) :- 5:1
- B. Tech. (Computer Science Engineering) :- 12:1
- B. Tech. (Electrical & Electronics Engineering) :- 7:1
- M. Tech. (Electronics & Communication Engineering) :- 1:2
- M. Tech. (Computer Science Engineering) :- 1:1
- M. Tech. (Renewable Energy) :- 10:1
- Ph. D. (Computer Science Engineering) :- 2:1
- Ph. D. (Renewable Energy) :- 1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Year	Sanction	Filled
2014-15	3	2
2015-16	3	2
2016-17	3	3

16. Research thrust areas as recognized by major funding agencies:

- Renewable Energy
- Cloud Computing
- Surface Charging
- Solar Energy based system

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Four faculty members at present undergoing projects

Sr. No	Project Title	Funding Agency	Total Cost
1	Design of low cost solar water heating system using flat plate collector for remote area application	State Council for Science, Technology & Environment Himachal Pradesh	Rs. 8,50,000/-
2	Cloud based digital resource centre (DRC)- for remote rural area	State Council for Science, Technology & Environment Himachal Pradesh	Rs. 8,61,000/-
3	Linear Fresnel concentrated based solar water purification system	State Council for Science, Technology & Environment Himachal Pradesh	Rs. 7,90,000/-
4	Solar water heating system 15500 LPD	MNRE	Rs. 20.89 Lakh
5	Dish type solar cookers 5No.'s & Scheffler type community cookers 2No's	MNRE	Rs. 18.60 Lakh
6	CST based cooking system 5500 Persons	MNRE	MNRE2.25 Crore
7	Concentrated Solar Thermal 2000 Persons	MNRE	64.26 Lakh
8	Concentrated Solar Thermal 500 Persons	MNRE	41.61 Lakh
9	Solar Photovoltaic 200 kWp	MNRE	3.7 Crore

10	Solar photovoltaic 30kWp x 2 = 60kWp Grid connected	MNRE	70 Lakhs+20 Lakhs
11	Solar photovoltaic 45 No.'s Akal Academies	MNRE	6.61 Crore
12	Solar photovoltaic Solar street lights (200 No's)	MNRE	60 lakh
13	Solar photovoltaic 500 kWp	MNRE	3 Crore
		Grand Total	**18.76 Crore**

18. Inter-institutional collaborative projects and associated grants received:

Sr. No	Project Title	Funding Agency	Total Cost
1	Design of low cost solar water heating system using flat plate collector for remote area application	State Council for Science, Technology & Environment Himachal Pradesh	Rs. 8,50,000/-
2	Cloud based digital resource centre (DRC)- for remote rural area	State Council for Science, Technology & Environment Himachal Pradesh	Rs. 8,61,000/-
3	Linear Fresnel concentrated based solar water purification system	State Council for Science, Technology & Environment Himachal Pradesh	Rs. 7,90,000/-
4	Solar water heating system 15500 LPD	MNRE	Rs. 20.89 Lakh
5	Dish type solar cookers 5No.'s & Scheffler type community cookers 2No's	MNRE	Rs. 18.60 Lakh
6	CST based cooking system 5500 Persons	MNRE	MNRE2.25 Crore
7	Concentrated Solar Thermal 2000 Persons	MNRE	64.26 Lakh
8	Concentrated Solar Thermal 500 Persons	MNRE	41.61 Lakh
9	Solar Photovoltatic 200 kWp	MNRE	3.7 Crore
10	Solar Photovoltatic 30kWp x 2 = 60kWp Grid connected	MNRE	70 Lakhs+20 Lakhs
11	Solar Photovoltatic 45 No.'s Akal Academies	MNRE	6.61 Crore

12	Solar Photovoltatic Solar street lights (200 No's)	MNRE	60 lakh
13	Solar Photovoltatic 500 kWp	MNRE	3 Crore
TOTAL			18.76 Crore

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Sr. No	**Project Title**	**Funding Agency**	**Total Cost**
1	Design of low cost solar water heating system using flat plate collector for remote area application	State Council for Science, Technology & Environment Himachal Pradesh	Rs. 8,50,000/-
2	Cloud based digital resource centre (DRC)- for remote rural area	State Council for Science, Technology & Environment Himachal Pradesh	Rs. 8,61,000/-
3	Linear Fresnel concentrated based solar water purification system	State Council for Science, Technology & Environment Himachal Pradesh	Rs. 7,90,000/-
4	Solar water heating system 15500 LPD	MNRE	Rs. 20.89 Lakh
5	Dish type solar cookers 5No.'s & Scheffler type community cookers 2No's	MNRE	Rs. 18.60 Lakh
6	CST based cooking system 5500 Persons	MNRE	MNRE 2.25 Crore
7	Concentrated Solar Thermal 2000 Persons	MNRE	64.26 Lakh
8	Concentrated Solar Thermal 500 Persons	MNRE	41.61 Lakh
9	Solar photovoltaic 200 kWp	MNRE	3.7 Crore
10	Solar photovoltaic 30kWp x 2 = 60kWp Grid connected	MNRE	70 Lakhs+20 Lakhs
11	Solar photovoltaic 45 No.'s Akal Academies	MNRE	6.61 Crore
12	Solar photovoltaic Solar street lights (200 No's)	MNRE	60 lakh
13	Solar photovoltaic 500 kWp	MNRE	3 Crore
		TOTAL	18.76 Crore

20. Research facility / center with

- **State recognition :**

Renewable Energy Lab	Funded by State council for Science, Technology & Environment, HP
Cloud computing Lab	Funded by State council for Science, Technology & Environment, HP

- **National recognition :**

Solar Energy Lab	MNRE
Solar concentrator based cooking system	MNRE

- **International recognition :** The department in due course of time will put efforts to get international recognition.

21. Special research laboratories sponsored by / created by industry or corporate bodies:
Reliance Jio Lab by Reliance Jio Infocomm Limited

22. Publications:

Research Contributions of the Faculty											
Names	Research Publications (International)	Research Publications (National)	Number Listed in International database	Chapters in edited books/ text books/ Books review	Seminar/Conference Presentations	Monographs	Citations Index-range/average	SNIP	SJR	Impact Factor-range/average	h-index
Dr. P. S. Cheema	16	-	-	-	13	-	-	-	-	-	-
Dr. Noor Danish Arhar Mundari	4	4	-	-	10	-	35	-	-	6.5/2	3
Dr. Sudhakar Panday	7	-	-	-	-	-	-	-	-	-	-

Dr. Devi Lal Punia	4	2	-	-	2	-	24	-	-	3.5	2
Dr. Ruhit Jyoti Konwar	4	Scopus =4	Scopus= 4	-	-	-	23	1.146, 1.264,1.566	1.243, 1.330, 1.530	2.529-3.652/3.184	3
Mrs. Abhilasha Sharma	9	-	-	-	-	-	-	-	-	-	-
Mrs. Aditi Thakur	8	-	-	-	6	-	-	-	-	-	-
Mr.Rajeev Thakur	7	----	-	-	-	-	-	-	-	-	-
Ms. Daljeet Kaur	-	-	-	-	-	-	-	-	-	-	-
Mr. Amit Sharma	4	-	-	-	-	-	-	-	-	-	-
Mrs. Satinderjit Kaur	4	-	-	-	1	-	-	-	-	-	-
Ms. Meenal Sharma	1	-	-	-	-	-	-	-	-	-	-
Ms. Karambir Kaur	3	-	-	-	-	-	-	-	-	-	-
Mrs. Shanu Sood	2	-	-	-	-	-	-	-	-	-	-
Mr. Kuldeep Singh Dhaliwal	0	-	-	-	-	-	-	-	-	-	-

Ms. Gurpreet	1	-	-	-	-	-	-	-	-	3.12	-
Ms. Sheetal	2	-	-	-	-	-	4	-	-	1.4	1

Dr. P.S. Cheema

International Journal:

- Cross Project Software Fault Prediction at Design Phase P Singh, S Verma World Academy of Science, Engineering and Technology, International Journal of Computer, Electrical, Automation, Control and Information Engineering Volume- 9 Issue- 3 Pages781-786 year: 2015 Impact Factor-3.657 Citation-07
- Software Fault Prediction at Design Phase: P Singh, S Verma, OP Vyas Journal of Electrical Engineering & Technology, Volume- 9. Issue-5,Pages- 1739-1745 Publisher KOREAN INST ELECTR ENG 2014 Impact Factor-5.657 Citation-09
- A Novel Soft Computer-based Retrival System for Medical Applications Published in Applied Artificial Intelligence Volume 26 Issuee -07,Augest 2012 Page no- 645-661 Taylor & Francis, Inc ACM Digital Library 2013 Impact Factor-4.657 Citation-13
- Design and Analysis of Piezoelectric smart Beam for active vibration control Pardeep Singh, Deepak Chabra, kapil Narwal: International Journal of Advancement in Research & Technology, Volume 1, Issue 1, June-2013 Impact Factor-3.67
- "A Medical Images Based Retrieval System using Soft computing Techniques" has been accepted for oral presentation at the conference and publication in Proceedings of World Academy of Science, Engineering and Technology, WASET Issue 67, July 2013. Kuta - Bali, Indonesia. Impact Factor-2-76
- 6 "Review of the Gaps in CBMIR using Different Methods and Prospective" Referred journal World congress on science, Engineering & Technology WCSET 2008 VOLUME 48, DECEMBER 2008, ISSN: 2070-3724 Bangkok, Thailand

- "State Of Art Technique For Denoising Of Medical Images" IEEE International Advance Computing Conference (IACC'09) 6-7 March 2009 Thaper University Patiala Punjab INDIA
- "Soft computing based medical images retrieval system & future challenges" at International Electronic Engineering Mathematical Society IEEMS Egypt Volume (4), March 2010, pp. 1-10 I.S.S.N. 1687- 8701 http://www.ieems.net

- "Efficient Techniques used in CBMIR For Medical Image Retrievals" Referred journal World congress on science, Engineering & Technology WCSET 2009 VOLUME 49, JANUARY 2009, ISSN: 2070-3724 Dubai, United Arab Emirates
- "Spatial Context Feature for Medical Image Retrieval System" IEEE International Advance Computing Conference (IACC'09) 6-7 March 2009 Thaper University Patiala Punjab INDIA

- "Soft Computing based Retrieval System for Medical Applications" has been accepted for oral presentation at the conference and publication in Proceedings of World Academy of Science, Engineering and Technology, WASET Issue 67, July 2010. Kuta - Bali, Indonesia
- A 16Kb 10T-SRAM With 4x Read-Power Reduction has been accepted for oral presentation at the conference and publication in Proceedings of World Academy of Science, Engineering and Technology, WASET Issue 73, January 2011. DUBAI, UAE
- A 16Kb 10T-SRAM With 4x Read-Power Reduction has been accepted for oral presentation at the conference and publication in Proceedings of World Academy of Science, Engineering and Technology, WASET Issue 73, January 2011. DUBAI, UAE
- Distributed Denial of Service Attack In Mobile Adhoc Networks has been presented for oral at the conference and publication in Proceedings of World Academy of Science, Engineering and Technology, WASET Issue 73, January 2011. DUBAI, UAE
- Parametric analysis & design og Regional language Character Mapping in Education has been accepted for oral presentation at the conference and publication in Proceedings of World Academy of Science, Engineering and Technology, WASET Issue 73, January 2011. DUBAI, UAE
- Daljeet Kaur, P.S. Cheema, Software's Tools for Analyzing Hybrid Renewable Sources : A Review, In Proceeding of International Conference on Inventive System & control, 19-2- Jan, 2017. ISBN No. 978-1-5090-47147, pp-588-587.
- Hardeep Singh, Daljeet Kaur, P.S. Cheema, Optimal Design of Photovoltaic Power System for Residential Load, In Proceeding of International Conference on Inventive System & control, 19-2- Jan, 2017. ISBN No. 978-1-5090-47147, pp-602-605.

National Papers in Journals & Conferences:

- Pardeep Singh, Gurjinder Kaur, "Smart Antenna ImplementationbyMetawave for 3G Mobile System" presented in

National Conference on “Research and Practises in current areas of IT “ at SLIET Longowal , March , 26-27,2004

- 2) Pardeep Singh, Gurjinder Kaur, “Commercial Concepts in GSM & UMTS N/W”, presented in National Conference on “Research and Practises incurrent areas of IT “ at SLIET Longowal March 27,2004
- “Medical Image Enhancement using Multi-resolution methods” presented at GJU Hissar in NCACNIT-09 “Advances in computer Networks & Information Technology” March 24-25, 2009
- “Challenges & solutions in CBIR for Medical Images(ID-219)” presented at GJU Hissar in NCACNIT-09 “Advances in computer Networks & Information Technology” March 24-25,2009
- “Intelligent Retrieval System for Medical Application” presented in National Conference on Emerging Principles and Practices of Computer Science and Information September 4-5, 2009 Technology (EPPCSIT) Guru Nanak Dev Engineering College, Ludhiana 200
- “Soft computing based Intelligent Retrieval System for Gray Image” has been presented in the National conference NCCN-10 to be held at SLIET, Longowal Sangrur Punjab
- “Intelligent Retrieval System for Medical Applications ” having paper ID3087 has been accepted in National conference RACIET – 2010 Deptt of EIE SLIET, Longowal Sangrur Punjab.
- “Soft Computing for Industrial Innovation: An Overview” presented in National Seminar on Chemical Industry In India: Opportunities And Challenges (Ciioc-2010) 5th-6th March, 2010 at Deptt of Chemical engg & Paper Technology SLIET Longowal Sangrur Punjab.
- “Research On Applications Of Soft Computing Agents” presented in National Conference On Computing, Communication & Information Technology CCIT-2010 28th-29th May, 2010 ORGANIZED BY: Department Of Computer Science & Engineering SLIET (Deemed-To-Be-University) Longowal Distt. Sangrur (Punjab), India
- “Smart CBIR system based on color and texture feature” presented in National Conference On Computing, Communication & Information Technology CCIT-2010 28th-29th May, 2010 ORGANIZED BY: Department Of Computer Science & Engineering SLIET (Deemed-To-Be-University) Longowal Distt. Sangrur (Punjab), India
- “ Effect of Distributed Denial of service attacks on the performance of Ad-hoc on demand distance vector routing protocol.” presented in National Conference On Computing, Communication & Information Technology CCIT-2010 28th-29th May, 2010 organized by: Department Of Computer Science & Engineering SLIET (Deemed-To-Be-University) Longowal Distt. Sangrur (Punjab), India

- Parametric anaiysis & design og Regional language Character Mapping in having paper ID3087 has been presented in National conference RACIET – 2010 Deptt of EIE SLIET, Longowal Sangrur Punjab.

Dr. Sudhakar Pandey

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- [5] S. Panday, B.S.S. Daniel, P. Jeevanandam, Synthesis of nanocrystalline Co-Ni alloys by precursor approach and studies on their magnetic properties, Journal of Magnetism and Magnetic Materials 323 (2011) 2271-2280.
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- [7] S. Panday, P. Jeevanandam, B.S.S. Daniel, Synthesis and magnetic properties of nanocrystalline Co-Ni alloys: A review, Materials Science Forum 736 (2013) 229-240.

Dr. D.L. Punia

Publications: International/National Journals:

- D.L. Punia , P B SHARMA, “Simulation Model For PV Array & Its Characteristics”. IJEEE, Vol. 1, Issue 5 (October, 2014)
- D.L. Punia , P B SHARMA,, “Simulation Of Efficient MPPT Using P&O Technique”. IJECT, Vol. 1, Issue 5 (October, 2014)
- 3. D.L. Punia , Sanjay Jindal, “Investigation On Doubly Fed Induction Generator Steady State Parameters”, International Journal of Power

System Operation and Energy Management (IJPSOEM), Volume-1, Issue-4, 2012, pp 19-21, 2012 ,No. of Pages-08

- D.L. Punia , S.K. Sharma "Study and Analysis of Reactive Power in Wind Farm for Reducing Distribution Losses Using Genetic Algorithm," International Journal of New Innovations in Engineering and Technology (IJNIET), Vol. 1 Issue 3, pp 67-75, February 2013. No. of Pages-09

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Dr. Noor Danish

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- A K Srivastava, Noor Danish Ahrar Mundari; First order structural phase transition in strontium chalcogenides at high pressure, Computational materials science, 67 (2013), 384-389, [IF 1.7]
- Noor Danish Ahrar Mundari, Arifur Rahman Khan, Masaru Chiga, Teppei Okumura, Hirokazu Masui, Minoru Iwata, Kazuhiro Toyoda, Mengu Cho; Effect of atomic oxygen exposure on surface resistivity change of spacecraft insulator material, Trans. JSASS Aerospace Tech. Japan, Vol. 9, pp.1-8, 2011. [IF 0.35]
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- Talwinder Kaur, Noor Danish Ahrar Mundari, A K Srivastava; Structural properties of La-Mg doped barium hexa ferrite nanopartical, Journal of Engineering Science and Management, Pg 79-81, Vol 3, Issue 1,2013
- Kritika Raj Sharma1, Naveesh Kant Sharma 2, Noor Danish; A Bio Inspired Firefly Algorithm for Packet Routing In Wireless Sensor Network; International Journal of Communication and Networking System, Vol: 04, Issue: 01, June 2015, Pages: 363-367, ISSN: 2278-2427
- Vartika Sharma, Susheva Sharma, Dr. Noor Danish Ahrar Mundari, Implementation of Neural Network based Dynamic Clustering Algorithm on NS-2 for Energy Efficient Wireless Sensor Network, International Journal of Enhanced Research in Science, Technology & Engineering, Vol. 4 Issue 9, September-2015, , Pages: 143-148, ISSN: 2319-7463
- Vartika Sharma, Susheva Sharma, Dr. Noor Danish Ahrar Mundari; 'Neural Network' a Supervised Machine Learning Algorithm; International Journal of Engineering Development and Research, Volume 3, Issue 2, 2015 Pages: 662-668, ISSN: 2321-9939

- Noor Danish Ahrar Mundari, Effect of atomic oxygen of LEO on spacecraft surface materials, conference proceeding of Recent trends in chemical and environmental Science, 26-27Feb, 2014, Arni University, HP, India
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  Mengu Cho, Kazuhiro Toyoda, Minoru Iwata, Hirokazu Masui, Teppei Okumura, Md. Arifur R. Khan, Noor Danish Ahrar Mundari, Preliminary Reports on Spacecraft Charging Property Measurement of Degraded

Space Materials, conference proceeding of 9th international symposium on materials in space environment, 16-20 June 2009, Netherland

- Noor Danish Ahrar Mundari, Kyoko Sasaki, Kiyoshi Haraguchi, Industrially harmonious development of south Asia, conference proceeding of Symposium on Environmental Issues of Bangladesh and Japan, Kitakyushu, Japan
- Noor Danish Ahrar Mundari, Chiga Masaru, Teppei Okumura, A R Khan, H Masui, Mirou Iwata, K Toyoda, Mengu Cho, Generation of LEO-type Atomic Oxygen Environment in Laboratory for Charging Property database, conference proceeding of 27th International Symposium on Space Technology and Science, Tsukuba, Japan,
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- Noor Danish Ahrar Mundari, Mengu Cho, Development of an Atomic Oxygen Irradiation System for the Charging Property Database, conference proceeding of 26th International Symposium on Space Technology and Science, Hamamatsu, Japan,

Dr. Ruhit Konwar

- Ruhit Jyoti Konwar, Mahuya De, Effects of synthesis parameters on zeolite templated carbon for hydrogen storage application, Microporous and Mesoporous Materials, 175 , 2013, 16-24 (Elsevier)
- Ruhit Jyoti Konwar, Mahuya De, Synthesis of high surface area silica gel templated carbon for hydrogen storage application, Journal of Analytical and Applied Pyrolysis, 107, 2014, 224–232 (Elsevier).
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- . Ruhit Jyoti Konwar and Mahuya De, Nitrogen modified templated carbons for energy application: Effect of templates and nitrogen precursors, International Journal of Hydrogen Energy, 41(46), 2016, 21300-21309 (Elsevier).

23. Details of patents and income generated:

Efforts are being put through research teams to get patents for the research work done at departmental level.

24. Areas of consultancy and income generated:

- ✓ Academic consultancy for higher education
- ✓ Technical consultancy to ISRO

25. Faculty selected nationally / internationally to visit other laboratories / institutions:

- ✓ PIDLITE, Kala Amb, Dist Shirmour, HP
- ✓ HAVELLS, Baddi, Dist. Solan, HP

26. Faculty serving in

- National committees b) International committees c) Editorial Boards d) any other (please specify)

  - Dr. Noor Danish Ahrar Mundari is Editor-in-Chief For Engineering in "Science and Engineering Applications (SAEA)" ISSN-2456-2793(Online).
  - Dr. Noor Danish Ahrar Mundari is National Evaluator for NSSC DST.

  - Dr. Ruhit Jyoti Knowar: Resource person of 24th State Level Children Science Congress, Himachal Pradesh, from 15th November 2016 to 18th November 2016.

  - Dr. Ruhit Jyoti Knowar: Editorial Board Member of "Science and Engineering Applications (SAEA)" ISSN-2456-2793(Online).

  - Dr. Ruhit Jyoti Knowar: Reviewer of Results in Physics, Elsevier

27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).**

Faculty attends Regular FDP/Workshops, Short Term courses held by different institutions and EU. Attended workshop GST, IPR etc.

28. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects: 41%
- Percentage of students doing projects in collaboration with other universities / industry / institute: 24%

29. Awards / recognitions received at the national and international level by:

Mr. M. P. Singh received CST & Solar Cooker Excellence Award 2016 from Sh. Piyush Goyal Hon'ble Minister for Power, Cola & Renewable Energy, Govt. of India

30. Seminars/ Conferences/Workshops organized and the source of funding National / International) with details of outstanding participants, if any.

- Seminar on "Cyber Security and Online Money Making" by CYBER INTELLIGENTS LUDHIANA on 27.04.2016.
- Seminar on "4G Lab" by Mr. R. V. Balasubramanium Iyer, President Reliance Jio Infocom Ltd. on 06.04.2016.
- Two days Android programming workshop was organized for faculty & B. Tech. students giving skills on mobile application development and Android virtual devices or real devices testing.
- Two days PCB Designing workshop was organized for faculty & B. Tech. students giving PCB designing skills using PCB designing software named Eagle.
- A one day workshop was organized by "Dr, D.S. Broca" on Business Process Simulation in campus giving practical skills in GPS System.
- International Conference on Renewable Energy "5-6 May 2012" Funded by Kalgidhar Trust.
- 2nd International Conference: Innovative Research in Engineering, Science & Technology "7-8 April 2017" funded by SERB-DST, New Delhi as per Eternal University code of ethics

31. Code of ethics for research followed by the departments:

Basic ethic principals that are followed by department are given below.

Honesty

Strive for honesty in all scientific analysis communications. Honestly report data, results, methods and procedures, and publication status. Do not fabricate, falsify, or misrepresent data.

Objectivity

Strive to avoid bias in experimental design, data analysis, data interpretation, peer review, personnel decisions, grant writing, expert testimony, and other aspects of research where objectivity is expected or required. Avoid or minimize bias or self-deception.

Carefulness

Avoid careless errors and negligence; carefully and critically examine your own work and the work of your peers. Keep good records of research activities, such as data collection, research design, and correspondence with agencies or journals.

Respect for Intellectual Property

Honor patents, copyrights, and other forms of intellectual property. Do not use unpublished data, methods, or results without permission. Give proper

acknowledgement or credit for all contributions to research. Never plagiarize.

Confidentiality

Protect confidential communications, such as papers or grants submitted for publication, personnel records, trade or military secrets, and patient records.

Responsible Publication

Publish in order to advance research and scholarship, not to advance just your own career. Avoid wasteful and duplicative publication.

Responsible Mentoring

Help to educate, mentor, and advise students. Promote their welfare and allow them to make their own decisions.

Social Responsibility

Strive to promote social good and prevent or mitigate social harms through research, public education, and advocacy.

Non-Discrimination

Avoid discrimination against colleagues or students on the basis of sex, race, ethnicity, or other factors not related to scientific competence and integrity.

Competence

Maintain and improve your own professional competence and expertise through lifelong education and learning; take steps to promote competence in science as a whole.

Legality

Know and obey relevant institutional laws and governmental policies.

Human Subjects Protection

When conducting research on human subjects minimize harms and risks and maximize benefits; respect human dignity, privacy, and autonomy; take special precautions with vulnerable populations; and strive to distribute the benefits and burdens of research fairly.

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Tech. (ECE, EEE, CSE)	95	0	71	NA	94%

M.Tech (RE, CSE, ECE)	16	09	03	100%	100%
Ph.D. (RE and CSE)	03	02	01	Batch Running	

33. Diversity of students

Name of the Programme (refer to question no. 4)	**% of students from the same university**	**% of students from other universities within the State**	**% of students from universities outside the State**	**% of students from other countries**
ACET: B.Tech. M.Tech. and Ph.D				
2014-15	0	38	62	0
2015-16	0	29	71	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- Avinash Kaur, GATE Qualified

35. **Student progression:** Not Applicable

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	12%
from other universities within the State	18%
from universities from other States from	70%
universities outside the country	0%

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

38. Present details of departmental infrastructural facilities with regard to

a. Library: Central Library of University

b. Internet facilities for staff and students: Yes, LAN and Wi-Fi facility

c. Total number of class rooms: 8

d. Class rooms with ICT facility :3

e. Students' laboratories :15

f. Research laboratories: 2

39. List of doctoral, post-doctoral students and Research Associates

a. From the host institution/university

Sr. No	Student Name	Department
1	Ms. Daljeet Kaur	Renewable Energy
2	Mr.Krishna Dutt	Computer Science and Engineering
3	Ms. Kanwaljeet Kaur	Computer Science and Engineering
4	Mr. Sashi Dhar	Renewable Energy

b. From other institutions/universities: Zero

40. Number of post graduate students getting financial assistance from the university.

Sr. No	Student Name	Department
1	Mr. Vivek Sharan	Renewable Energy
2	Mr. Amit Sharma	Renewable Energy
3	Mr. Navjot Singh	Renewable Energy
4	Mr. Rajdeep Sing	Renewable Energy
5	Mr. Hardeep Singh	Renewable Energy
6	Ms. Lovepreet Kaur	Renewable Energy
7	Ms. Jasdeep Kaur	Renewable Energy

41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.:**

Yes, it was carried out

- Lot of exercise was carried out by the department for evaluating, scope, objective, opportunity of the new course in discussion with nearby NIT/IIT
- All the details were presented by department to the academic council of EU
- Advice of the academic council was incorporated, file was sent for external expert comments
- External experts' comments was incorporated and put again to academic council for approval.
- After academic council approval, permission for the course is sought from HP private education regulatory body.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- Yes, Department level PG and UG program co-coordinator collect the any corrective measure suggested by the faculty. Coordinator surmise this to HOD/Dean for the future action on it

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- Yes, Dean of Academics conducts the student feedback after the end of each semester. This feedback is used for the evaluation of teaching and if required corrective measures are suggested to faculty.

c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

- Alumina Association and online alumina portal has been created for this purpose. Student feedbacks are taken each year in Alumina meeting.

43. List the distinguished alumni of the department (maximum 10)

Sr. No	Student Name	Current position
1	Meenal Sharma	Faculty, CSE, EU
2	Sheetal Charbathia	Faculty, CSE, EU
3	Rajeev Thakur	Faculty, ECE, EU
4	Amit Sharma	Faculty, CSE, EU
5	Arshpreet Kaur	Canada University for PG
6	Charanjeet Kaur	HCL
7	Karanpreet Kaur	Unisys
8	Simranjeet Kaur	Unisys
9	Kalpana	Unisys
10	Nikita Sharma	Unisys

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts :

- STC (Short term Course) on "Power Electronics for Renewable Energy" was organized by NITTR, Chandigarh from 14/03/2017 to 17/03/2017

45. List the teaching methods adopted by the faculty for different programmes.

- Lecture by teacher
- Class discussion conducted by teacher
- Recitation oral questions by teacher answered orally by students

- Discussion groups conducted by selected student chairpersons
- Lecture-demonstration by teacher (and then what 145 other techniques!)
- Presentations by student panels from the class: class invited to participate
- Student reports by individuals
- Student-group reports by committees from the class
- Textbook assignments
- Reading assignments in journals, monographs, etc.
- Reading assignments in supplementary books
- Assignment to outline portions of the textbook
- Assignment to outline certain supplementary readings
- Lecture-demonstration by another instructor(s) from a special field (guest speaker)

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Regular teachers meeting with HOD.
- For progress of syllabus MST (Monthly Season Tests) and regular tests are conduct on completion of each unit.]
- Students are evaluated through sessional and semester examinations including practical's.
- The students are exposed to industrial training and visits.

47. Highlight the participation of students and faculty in extension activities:

- Three month computer literacy program for rural youths was organised, officials from Nehru Yuva Kendra has participated.
- Students and faculties participate in all cultural activities, sports activities seminars by time to time.
- Student and faculty participate in "Intellectual Property Rights: Issues and challenges" organized by HP patent information center.
- Students and faculty are participated in Goods and Services Tax and employability skills conference.

48. Give details of "beyond syllabus scholarly activities" of the department.

- Regular visits to industries for new and up dated technologies and projects in the relevant field.
- Hand-on Work and presentation on up dated technologies and projects by students.
- Participation in technical workshop and students prepared experimental models of their domains.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:

Not Applicable

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- Renewable Energy Deptt. has setup information dispersion center for installation of small solar power plants.
- CSE department has established an information center at Lana Balta for information dissipation to villagers.

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51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Major Strengths:

- Highly qualified faculty.
- Best infrastructure.
- Well managed laboratories, class-rooms and workshops.
- Wi-Fi campus.
- Funded projects by different govt. bodies

Major Weakness:

- Remote locations**.**
- Less strength of students.

Opportunities:

- Excellent job placements.
- Excellent result.
- Excellent performance in sports activities.
- Excellent performance in cultural activities.

Challenges:

- Inclination of students to engineering.
- Competitive advantages to other universities in terms of enrollment.

52. Future plans of the department.

- Planning to have a 4G lab to be sponsored by Reliance JIO for research purpose for Electronics and Communication Students.
- Planning to have a Cloud Computing Lab for Computer Science Engineering Students.
- Planning to have Fuel cell, hydrogen Energy Lab for renewable energy students.

EVALUATION REPORT OF CENTER FOR PUBLIC HEALTH AND HEALTHCARE ADMINISTRATION

1. Name of the department:
Center for Public Health & Healthcare Administration.

2. Year of Establishment: 2010

3. Is the Department part of a school/Faculty of the University?
Yes, Akal College of Health & Allied Sciences

4. Name of Programs/Courses offered:

a) Master of Public Health (MPH)
b) Master in Hospital Administration

5. Name of Interdisciplinary courses and the departments/units involved:

a) Renewable Energy and Environment
b) Economics, Commerce and Management
c) Food Technology and Bio-Technology
d) Chemistry for water analysis.
e) Akal College of Nursing
f) College of Agriculture
g) Akal Charitable Hospital

6. Courses in collaboration with other departments, Industries, foreign institutions etc.

The University and CPH-HA have developed strong Interaction and collaboration with the following Universities / Institutions / Organizations / Industries. It is to upgrade Academic Inputs and mutual exchange programmes

- Drexel University, Philadalphia, USA.
- Akal Global University, Baltimore, Maryland,USA
- Eternal International University, Calfornia,USA
- All India Institute of Medical Sciences (AIIMS), New Delhi
- John Hopkins University, Baltimore, USA
- Wayne State University, Detroit MI, USA
- University of British Columbia, Vancover, BC Canada
- University of Toronto, Missisauga, Ontario, Canada
- Kansas State University, Manhattan, Kansas, USA
- Govt. Medical College, Sector 32, Chandigarh.
- Indira Gandhi Medical College, Shimla,
- Sanjay Gandhi PGI-Lucknow, UP,
- Fortis Heart & Multispecialty Hospital Mohali.
- TinChem Enterprize, C-50, Industrial Focal Point, Patiala.
- Target Enterprise, C-86, Industrial Focal Point, Patiala.
- Patiala, Pingalwara & Rehabilitation center, Samana Road, Patiala

7. Details of Programmes discontinued, if any, with reasons- NA

8. Examination System: Annual/semester/choice based credit system

Courses follows Semester system and has CBCS

9. Participation of the department in the courses offered by the other departments:

a) Renewable Energy and Environment
b) Economics, Commerce and Management
c) Food Technology and Bio-Technology
d) Chemistry for water analysis.
e) Akal College of Nursing
f) College of Agriculture
g) Akal Charitable Hospital

10. Number of Teaching posts (Professors, Associate Professors, Assistant Professors/Others)

Post	Sanctioned	Filled
Professor	One	One
Associate Professor	One	One
Assistant Professor	Two	Two
Others -Bio-statistician	One	One

11. **Faculty profile with name, qualification, designation, specialization, experience and research under guidance.**

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of PhD students guide for the last 4 years
Dr. HS Chauhan	MBBS; MD; MPHCM; MPH; Ph.D. MHA,	Professor & Head	Epidemiology/ PH	18 Years	2
Dr. JL Sharma	MSc; PhD	Professor	Health Economics	28 Years	2
Dr. NL Gupta	M.Phil; Ph.D.	Associate Professor	Clinical Psychology	27 Years	1
Dr. Gurjit Kaur	BAMS; MPH; Ph.D.	Assistant Professor	Hospital Mgmt	2 Years	0
Dr. Anurag Patti	BDS; MPH; UGC-NET	Assistant Professor	Healthcare Admin	2 Years	0

12. List of senior visiting Fellows, Adjunct faculty, emeritus professors:

- Dr. HC Pandey, Prof & Head: Hospital Administration SG PGI-Lucknow

- Dr. VL Sharma, Center for Public Health, Panjab University, Chandigarh.
- Dr. Manoj K Sharma, Center for Public Health, Panjab University, Chandigarh.
- Dr. Madhuri Rishi, Department of Environmental Sciences, Panjab University, Chandigarh.
- Dr. Arundeep Alhuwalia, Prof. Emeritus, Earth Sciences, PU, Chandigarh
- Dr. HS Kalamkar, Prof. Community Medicine, PHI, Nagpur..
- Dr. Sonu Goel, Associate Prof. SoPH, PGIMER, Chandigarh.
- Dr. Minakshi Rohilla, Additional Prof. Gynae & Obs, PGIMER, Chandigarh.
- Dr. RB Jain, Senior Prof. Community Medicine, Pt. BDS PGI Rohtak, Haryana .
- Dr. VK Tiwari, Professor Planning & Evaluation, NIHFW, New Delhi.
- Dr. A M Khan, Jamia Millia Islamia University, Delhi.
- Dr. GP Thami, Prof. & Head: Skin & VD, Govt. Medical College , Chandigarh
- Dr. Dinesh Walia, Assoc. Prof. Govt. Medical College , Chandigarh
- Dr. SR Mazta, Prof. & Head: Community Medicine, IG Medical College, Shimla, Dr. PC Samantaray, SIHFW, Bhubaneshwar, Orisha.
- Dr. Rakesh Gupta, Dy Directo, SPO, Tobacco Control, % DHS Punjab, Chandigarh.
- Dr. Seema Agarwal, SPO, NCDs, % DHS Punjab
- Dr. Ritambhra Bhalla, Sr. Consultant, Gynae-Obs, Fortis Hospital, Mohali.
- Dr. Seema Sharma, Sr. Consultant, Gynae-Obs, Max Hospital, Mohali.

13. Percentage of classes taken by temporary faculty:

Approximately: 10% in all subjects programme wise

14. Student-Teacher ratio (program wise):

The College follows the UGC norm of 18:1 student-teacher ratio. Nevertheless this varies depending on the actual admissions done in a particular academic year.

15. Number of Support staff:

There are sufficient sanctioned posts for non-teaching staff members of which almost all are recruited. They provide assistance for office administration, accounts, labs, centres, staff room, house-keeping and security work. One employee is exclusively assigned to each Department.

16. Research Thrust areas as recognized by major funding agencies:

- Substance abuse and drug addiction

- Mother and Child Healthcare (ANC & PNC)
- Safe water supply and sanitation
- Community Nutrition
- Elderly Healthcare
- Health Education on HIV/AIDS; RTIs-STIs
- Panchayats Raj Institutions and Community involvement
- Women Empowerment
- Qualifications of teaching faculty: Details given in item No. 11.

17. Number of faculty with ongoing projects from:

a) National: Collaboration with the department of Bio-Technology is in progress
b) International funding agencies and grants received: Process is in progress.

18. Inter-Institutional collaborative projects and associated grants received:

a) National Collaboration - Yes! Akal University, Bathinda, under progress
b) International Collaboration- With Drexel University, USA; Global Eternal University, Baltimore, USA

19. Departmental projects funding is by DST-FIST, UGC, DBT, ICSSR, State Science and Technology Department and total grants received:

Following two Projects have been planned which are under process and will be submitted to the above said funding agencies:

a) Incidence and Prevalence of Osteoporosis in Geriatric Population of Hilly Areas of Himachal Pradesh.
b) Anemia in Pregnancy in Tribal and Rural Population of Sirmour District of Himachal Pradesh

20. Research Centre/facility recognized by the university:

a) State Recognition: Health centers and villages are adopted by CPH & HA

b) National Recognition: The university team approached the following institution for National recognition.

(i). AIIMS, New Delhi

(ii) National Instt .of Health and Family Welfare (NIHFW) New Delhi

c) International Recognition:

WHO

Unicef

The International Union for TB and Lung Diseases, New Delhi

21. Special Research Laboratories sponsored by /created by industry or corporate bodies:

CPH-HA and EU have initiated the process to establish PH Lab in collaboration with Tata Foundation and Alternative Cure Laboratories.

22. Publications:

Research Contributions of the Faculty								
Names	Research Publications	Research Publications	Papers in e-journal	Books Published	Chapters to edited books/text	Seminar/ Conference Presentations	Monographs	Citations of works
Dr. HS Chauhan	2	35	--	1	1	30+	--	--
Dr.NL Gupta	--	4	--	--	1	20	--	--
Dr. G. Kaur	--	5		--	2	26+	--	--

List of Publications:

1. Thesis entitled**: "An Epidemiological Study of ARI in Children under five in Urban Slums ICDS Project of Amritsar"** Approved and accepted by GND University, Amritsar for MD (SPM).
2. Controlling Acute Respiratory Infections in Shuar Children of Morona-Santiago province in Ecuador.
3. Plan of Evaluation of Water & Sanitation Program in Bagla District, Jumnu Province of Republic of Srimnabad .
4. Planning of a programme of Primary Health Care Provision at Sub-center Level in one of the Coastal District of Cairo, Egypt.
5. Thesis entitled**, "Cost, Resources Utilization and Financing of Arua and Maracha Hospitals in Arua District of Uganda"**.
6. A Research Study on the Evaluation of Immunization Programme coverage in the Sudanese Refugee camps in Koboko Town of Aura District of Uganda.
7. A Survey of Eye Ailments in Sudanese refugees in Koboko Refugee Camps in Uganda.
8. Gird up your lion before the disaster strikes :Government of India journal, Arogya Sandesh, October 1991
9. Alapkali Sah Chhut Rog Najithan Vidhi: DHS Punjab Journal, Sehat, Dec.1992 .
10. What can be done if he does not die : Government of India journal, Arogya Sandesh, May 1992 .
11. Environment: Air pollution-prevention & control-II: DHS Pb. Journal, Sehat, June/July '92.
12. Environment: Water pollution-prevention & control-II: DHS Pb. Journal, Sehat, Oct '92.
13. ARI, its prevention & control; DHS Punjab Journal, Sehat, October '92.
14. AIDS: Dreaded Disease; PEN Journal, Jan-march '93.
15. Tomorrow's Habitat: Government of Punjab Journal, Advance, Jan-Feb '93
16. Taming of Monster: Government of Punjab Journal, Aadvance, May 1993 .
17. Healthy Heart: Government of Punjab Journal, Advance August 1993 .
18. ORS – Why the Salt, sugar, lemon sodabicarb are must in it; Government of Punjab Journal, Jagriti Punjabi, July 1993.
19. Population bomb: DHS Punjab, Journal, Sehat July '93
20. Vitamins: Health Promoters: GoP Journal, Advance Oct.'93

21. An experiment: Tea, coffee, cocoa and spider: GoP Journal, Jagriti Pbi. Oct '93.
22. Har Ek Marz Ki Dawa Hai Allah Ki Bandgi – Sheikh Farid : GoP Journal, Pasban Urdu. October, 19'93.
23. Wonderful Machine – Human body: Government of Pb. Journal, Jagriti Hindi. Januay '94.
24. Vadhdi Abadi Ghatde Vaan: DHS Punjab Journal, Sehat, April 1994.
25. Taper the smoking off & Quit: DHS Pb Journal, Sehat, October 1994.
26. Safe & Wholesome Drinking Water: DHS Punjab Journal, Sehat, October 1994 .
27. An Embodiment of Truth – an essay on father of nation; GoP Journal, Advance Oct. '95 .
28. A Study of food habits of rural school going youths, in relation to certain modes of their lives: Santokhba Durlabhji Memorial Hospital, Journal, September 1995.
29. Intervention of ARI with Co-Trimoxazole: ARI-News, London.
30. Food Taboos: Preventive & Social measures, Saini Duniya, November 1993 .
31. Chah Kofi, Kokoa Aate Makadi: Saini Duniya, Punjabi, December 1993.
32. Diet in Planning your Healthy Heart: Saini Duniya, January 1994 .
33. Gupta, N.L. (1995). Personality differences on moral judgement among male and female students of Himachal Pradesh. J. of Psychological Researches, vol.39 No.1 & 2, P.67-71
34. Kaur R, Chauhan HS, Gupta NL, Thakur P, Pahari S. ASSESSMENT OF ACCREDITED SOCIAL HEALTH ACTIVIST'S KNOWLEDGE ABOUT HEALTH PROBLEMS AND SERVICES BEING PROVIDED BY HER TO PEOPLE OF DISTRICT LUDHIANA: PUNJAB. J Res Educ Indian Med - ISSN 0970-7700, [cited August 23, 2015]; Online First: 19 Feb, 2015
35. THAKUR K, Chauhan HS, Gupta NL, Thakur P, Malla Dipendra. A STUDY TO ASSESS THE KNOWLEDGE & PRACTICES OF ANGANWADI WORKERS & AVAILABILITY OF INFRASTRUCTURE IN ICDS PROGRAMME, AT DISTRICT MANDI OF HIMACHAL PRADESH. RHIMRJ- ISSN: **Volume-2, Issue-1, January-2015 ISSN: 2349-7637**; Online First: December, 2014
36. Bala I, Gupta NL, Chauhan HS, Bharti S, Thakur B. Relationship of Breakfast Skipping and Nutritional Status among Senior Secondary School Adolescents of District Una, Himachal Pradesh (India). RHIMRJ- ISSN:Volume-4, Issue-01, January 2017 ISSN: 2349-7637 (Online)
37. Excessive Daytime Sleepiness and its Pattern among Indian College students. Sleep Medicine" Published in Sleep Medicine (2016) http://dx.doi.org/10.1016/j.sleep.2016.08.020
38. Association of sleep quality with general health: an Indian college students" Published in International Journal of Medical Science and Public Health Vol.12 ISSN no 2320–4664 doi: 10.5455/ijmsph.2016.3010201518
39. A Retrospective analysis of Domestic Violence Incidents reported to the Police" Published in Research Journal Social Sciences Vol.20 ISSN no 0251-348X Study of prevalence of Malnourishment (under nourishment and obesity) and its association with socioeconomic status among Adolescent School girls of Chandigarh " published in South

Asian Journal of Socio – Political Studies (SAJOSPS) ISSN 0972-4613 Vol 11 No 2 (Jan – June 2011) PP 56-61

40. Changing dietary pattern and lifestyle on diseases Asian Journal of Multidimensional Research Vol.1 Issue 6, ISSN 2278-4853

41. Evaluation of genotoxicity of acetamiprid using PCR technique on mosquito genome " published in Journal of Applied and Natural sciences

42. Impact of Socio Economic Status on dietary intake among adolescent school girls of Chandigarh (15-19 years). IJMER

43. Impact of Socio Economic Status on dietary intake among adolescent school girls of Chandigarh (15-19 years). IJMER Health and Welfare in India ISBN 978-81-7132-4

23. Details of Patents and Income generated: NA

24. Areas of consultancy and income generated:

MPH & MHA interns go on internship and enjoy some compensation in the form of stipends which are their own. Some savings are out of workshops being organized from time to time.

25. Faculty selected Nationally/Internationally to visit other laboratories/ institutions/industries in India and abroad:

a) National: WHO/Unicef/The International Union/AIDS-India Alliance for the working and functioning of their laboratories.

b) International: Drexel University USA.

Prof. HS Chauhan was invited to present paper and chair a session at 48th APACPH at Teikeyo University, Japan

26. Faculty serving in:

a) National Committees: Yes! Dr. Chauhan and Dr. NL Gupta: IPHA-Kolkata; IAPSA-Delhi; Breast Feeding Society of India; Delhi Diabetic Forum; Indian PH Congress-Chennai.

b) International Committees: Yes! Dr. Chauhan: Training and Development Society of Istituto Superiore de Sanita, Roma, Italia.

c) Editorial Board: Yes! Dr. Chauhan and Dr. NL Gupta: Member Editorial Board, EU Voice, Eternal University.

d) Quarterly Academic Bulletin: Member Editorial Board, GMC, Chandigarh

27. Faculty Recharging Strategies (UGC, ASC, Refesher/Orientation Programme, Workshops, Training Programmes and similar Progs.

Time to time all the above Programmes are Undertaken by the Center for PH & HA at Eternal University

ADD table

Paper Presentation: Annexure-II

28. Student projects

(a) Percentage of students who have done in-house projects including inter departmental/program: 40% approx.

(b) Percentage of students placed for projects in organizations outside the institution i.e., in Research laboratories/industry/other agencies: 60%

29. Awards/Recognition received at the National and International levels by faculty and students:

Faculty:

- Dr. HS Chauhan : Indian Public Health Association: Awards for chairing sessions and panelist.
- Dr. Gurjit Kaur: Junior and Senior Fellowship; Oral Paper Presentation

Doctoral/Post-Doctoral: NA

Students:

- Mr. Dipendra Malla-Nepal and Miss Shradha Parajuli-Nepal Both gold medalists Received Vidya Bhushan Rashtrapati Awards . Government of Nepal
- Ms. Manisha Chalise, Sheetal Pokhrel, Mr. Gokul Pathak from Nepal got best poster presentation awards.

30. Seminars/Conferences/Workshops organized and source of funding (national / international) with details of outstanding participants if any:

a) Seminars: The Centre organizes weekly Seminars on various topics

b) Journal Club on research publications every week

c) Conferences: AsoPH & HA has organized two International Conferences in collaboration with Akal College of Nursing.

d) Workshops:

(I) Two workshops have been organized on SPSS & EpiInfo the computer software for data analysis in Masters Research Projects. Each time more than 50 participants attended the workshop. These were self -financed workshops.

(ii) Two workshops have been organized on First Aid-Saint John Ambulance-by Red Cross Society of India, Chandigarh. Each time more than 60 participants attended the workshop:

These were self-financed workshops.

31. Code of Ethics for research followed by the department:

There is University Ethics Committee constituted by the University authorities for the purpose. The codes of ethics for the sake of research are followed by all the departments, colleges and centers

32. Student Profile Programme-wise:

Name of the Programme	Year of Admission	Applications Received	Selected	Pass %	
				M	F
MPH-Master of Public Health	2012-14 2013-15 2014-16 2015-17 2016-18	18 27 30 33 38	3 12 13 11 (5+6) 17 (5+12)	100 in all the batches	100 in all the batches

33. Diversity of Students

Name of Course	Year	Total No. of students	Students from the Same State	Students from other States
MPH-Master of Public Health	2012-14	3	1	2
	2013-15	12	2	10
	2014-16	13	5	8
	2015-17	11	3	8
	2016-18	17	3	14

34. How many students have cleared Civil Services and Defense Services, NET; SET; GATE and competitive Examinations? Give details category-wise:

- Two students have been awarded Rashtrapati Vidya Bhushan Award in Nepal.
- Three students got very good jobs with Unicef and other International Organizations
- Two students cleared and joined Defense services as Lieutenant in Indian Army.
- One student selected for his PhD in PH in Canada.

All the passed-out students are well placed

35. Student Progression:

We are planning to start PhD- PH w..e.f. the current session

36. Diversity of the Staff:

Percentage of faculty who are graduates:

- Of the same University = Non
- Other University within state = 25%
- From Universities from other state =75%
- Universities outside the country = 25%

37. Number of Faculty who were awarded M.Phill, Ph. D; D. Sc or D.Litt during the assessment period:

One Faculty has been awarded Ph.D.

38. Present details of departmental infrastructural facilities with regard to:

a) Library: Very good library in general and also a departmental library

b) Internet Facilities for staff and students: Available

c) Total No. of Class rooms = Four

d) Class rooms with ICT facility = ICT material developed by the CPH-HA.

e) Students Laboratories = Hospital+ BioTech+ Food Tech+ Chemistry+ Nursing+ Sub -Center Health+ AWCs

f) Research Laboratories: = All of the above

39. List of Doctoral, post-doctoral students and Research Associates:

a) From the host Institution/University = yet to be added

b) From other Institution/University = Two

40. No. of PG students getting financial assistance from the University:

Financial help equivalent to Rs. 5000/- is being given in the form of work-study programme.

41. Was any need assessment exercise was undertaken before the development of new programmes? If so highlight the methodology.

1. The CPHHA has devised its mechanism to obtain formal feedback through a structured questionnaire. The data obtained is statistically analyzed and the findings help in formulation and development of new

programmes.

2. Govt. departments invite out experts time and again for the requirement of PH & MHA experts.

42. Does the department obtain feedback from:

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes! the University has developed the special formats for the purpose. External Evaluation system methodology is also utilized. Student, staff, alumni and employers.

on the programmes are being involved in all types of evaluations.

43. List the distinguished alumni of the department (maxi 10) .

The following alumni have obtained good positions in their profession and earned good reputation.

Sr. No.	Name
1	Kanchan Thakur
2	Harjinder Kaur
3	Ravinder Kaur
4	Dependra Malla
5	Sandip Pahari
6	Rajib Koirala
7	Gokul Pathak
8	Sheetal Pokharel

44. Give details student's enrichment programmes (special lectures/workshops/ seminars) involving external experts:

Special lectures/workshops/ seminars are being organized as per the preplanned Schedules for the sake of enrichment of students curricula.

45. List the teaching methods a adopted by the faculty of different programmes:

1. Best Audio-visual aids are available; state of the art classrooms have been developed; Teleconferencing and webinar methods are also adopted. Project assignments, panel discussions, field visits and interactions programmes, internships Trainings, development of ICT, house-hold

survey and social mapping are being undertaken.

46. How does the department ensure that the programme objectives are constantly met and learning outcomes are monitored?

a) The CPHHA ensures the expected outcomes through the various teaching techniques and methodologies as mentioned in item No.45.

b) The end semester university examination papers are set by the external examiners and so the answer-sheets are evaluated by the external evaluators.

47. Highlight the participation of students and faculty in extension activities:

a) The CPHH-HA has adopted 12 villages of Distt: Sirmoure (HP) for various interventions under the programme - Community Health and Family studies in all respects for the welfare of the community through community involvement programmes.

b) Periodic Health Check-up through liaising with PH Center.

c) Immunization Programmes

d) Swachch Bharat Campaigns

e) Child Spacing and Reducing the Infant Mortality and Maternal Moratality (RCH).

f) Personal Health and Hygiene Orientation Campaigns: IDDCP

g) HIV/AIDS; RTIs-STDs preventive Programme

h) Gender Equity /PNDT: Awareness Programme

i) Voter awareness campaigns

j) House hold survey and social mapping

48. Give details of "beyond syllabus scholarly activities" of the department

- Student taken on Field visits for the occupation health in industries;
- Pingalwara for rehabilitation;
- National and International Conferences;
- Writing innovative ideas;
- Cultural activities;
- Tracking and hiking;
- Social and Spiritual services.

49. State whether the programme/department is accredited /graded by other agencies? If yes give details:

Yet to be graded and accredited.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

1. The students are involved in teaching and training the rural community, especially the females and educating them on life styles and diseases. They educate them on the components of preventive behavior and measures.
2. Social work in the neighboring villages/hamlets. By the collective efforts of the students and faculty, for details please refer item 47 above.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

- Experienced, competent, hardworking faculty members who take part in different academic and administrative activities of university and college.
- University and the CPH-HA has very strong linkages with the various National and International institutes and organizations.
- Co-operation among faculty members.

Weakness

- Separate Lab and Museum is required for the CPF & HA.
- Additional funds are needed for deputing faculty and students abroad on exchange programmes.

Opportunities

- Newly appointed faculty members with specialization in AYUSH, Herbal care and social work along with the expertise and guidance of the senior faculty members will give a new direction to the institution.
- With the help of new technological aids like virtual classrooms and internet facilities will be able to enhance the students' performance in academics and other areas of interest.

Challenges

- To develop and increase1. Substantial increase in enrolment.
- The interest and critical & analytical approach towards the subject in the students.
- Students from low socio-economic background and remote locations are hesitant to go out of the University campus for field activities.

52. Future Plans of the Department:

- To start new innovative projects with financial help from UGC/Govt of India/State Govt or any other funding agency.
- To ensure the student-teacher interaction.
- Special attention to be paid to the weaker students.
- Increasing Inter-disciplinary activities.
- To start Ph.D in Public Health and Master in Social Work (MSW)

course.

EVALUATIVE REPORT OF THE DEPARTMENT OF MUSIC

1. **Name of the Department – Department of Music**

2. **Year of establishment – 2008**

3. **Is the Department part of a School/Faculty of the university? - Yes** (Akal College of Arts and Social Sciences)

4. **Names of programmes offered** (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt. etc.) :– **B.A (Hons) Music, M.A (Music) and Ph.D (Music).**

5. **Interdisciplinary programmes and departments involved** - Teaching music as Add on course to the students of B.Com and B. Sc.

6. **Courses in collaboration with other universities, industries, foreign institutions,** etc. – Not Applicable

7. **Details of programmes discontinued, if any, with reasons. Nil**

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
   - **All courses are Semester based.**

9. **Participation of the department in the courses offered by other departments – Not Applicable**

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	N.A
Associate Professors	2		N.A
Asst. Professors	4	4	N.A
Others (Asst. Teachers)		2	N.A

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. Purvi Luniyal	Ph.D (Music), M.A (Music Vocal), M. Mus. (Vocal), NET Qualified	Professor & Dean	Vocal	Approx. 20 Years	2
Dr. Om Sharma	Ph.D (Music), M. Phil and M.A (Music Ins.)	Asst. Professor	Instrumental	Approx. 4 & ½ Years	-
Dr. Vandna Devi	Ph.D (Music), M.A (Music Vocal) & NET, JRF Qualified	Asst. Professor	Vocal	Approx. 1 Year & 8 Months	-
Dr. Simarpreet Kaur	Ph.D (Music), M. Phil and M.A (Music Vocal), NET & JRF Qualified	Asst. Professor	Vocal	Approx. 1 Year & 7 Months	-
Dr. Rekha Sethi	Ph.D (Music), M. Phil, Double M.A (Tabla & History)	Asst. Professor	Tabla	Approx. 6 Month	-
Ms. Kulwinder Kaur	M.A (Music Ins.)	Teacher	Instrumental	Approx. 3Years & 6 Months	-
Ms. Amandeep Kaur	M.A (Music Ins.)	Teacher	Instrumental	Approx. 3Years & 6 Months	-

12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors –**
    a) **Pandit Brij Narayan (Renowned Sarod Mestro)**
    b) **Prof. Kartar Singh (Padam Vibhushan)**
    c) **Dr. Ram Swaroop Shandil (Dean Music, H.P University)**
    d) **Dr. Parmanand Bansal (Prof. & H.O.D Music, H.P University)**
    e) **Dr. Rajeev Verma (Prof. Faculty of Music & Fine Arts, DU , Dehli-07)**
    f) **Shri Murlidhar Soni (Prof. Govt. Girls College, Sector-11Chandigarh)**
    g) **Dr. Manmohan Sharma (Prof. Dept. of Music, Punjabi University Patiala)**
    h) **Dr. Krishan Arora (H.O.D Music, Khalsa College, Karnal)**

13. **Percentage of classes taken by temporary faculty – programme-wise information – All are on temporary basis**

14. **Programme-wise Student Teacher Ratio** – The College Follows the UGC norm of 18:1student's teacher ratio.

Total Students		Teachers	Ratio
B.A	**68**	**7**	**10:1**
M.A	**11**	**3**	**4:1**
Ph.D	**1**	**1**	**1:1**

15. **Number of academic support staff (technical) and administrative staff :**

Sanctioned, filled and actual – Common with EU

16. **Research thrust areas as recognized by major funding agencies – Music Therapy, instrumental music**

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise. N/A**

18. **Inter-institutional collaborative projects and associated grants received**

a) National collaboration: With **Prayag Sangeet Samiti, Allahabad**

b) International collaboration

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

S. no	Title	Date	Sponsored	Place
1.	Changing Scenario of Performance Practices in Indian Music	15 & 16 March 2016	UGC Sponsored	Faculty of Music & Fine Arts, University of Delhi, Delhi

20. **Research facility / centre with-**

- State recognition □
- National recognition – with **Prayag Sangeet Samiti, Allahabad**
- International recognition

21. **Special research laboratories sponsored by / created by industry or corporate bodies:**
The Department may initiate in future

22. **Publications:**

- Number of papers published in peer reviewed journals (national / international) - **7**

Research Publication Detail by the Faculty:-

Name with Designation	Topic	Name of R J	Date of Publication	ISSN no	Impact factor
Dr. Purvi Luniyal Dean & Prof	Bhartiya Sangeet Mein Ras Utpann Karne Wale Ang	**Printing Area** Research Journal A International Multilingual Research Journal	Oct 2015 Page No-185 Issue – 10 , Volume -01	2394 - 5303	3.024
Dr.Purvi Luniyal Dean & Prof	Shastriya Sangeet Ko Jan- Sadharan Mein Lokpriye Banane ke Upaaye	**Vidyawarta** Interdisciplinary Multilingual Refereed Journal	Oct to Dec 2015 Page No – 177 Issue –12 Volume -04	2319-9318 MAH/MUL/ 03051/2012	3.102
Dr.Purvi Luniyal Dean & Prof	Khayal Gayaki Mein Ras Utpatti Ke Siddhant	**Printing Area** Research Journal A International Multilingual Research Journal	April 2016 Page No-126 Issue – 16 , Volume -01	2394 - 5303	3.024
Dr. Om Sharma Asst. Prof	Bhartiya Sangeet Mein Rasanubhuti Evam Saundaraya bodh	**Vidyawarta** Interdisciplinary Multilingual Refereed Journal	Jan. to Mar 2016 Page No - 0138 Issue-13, Volume- 03	2319-9318 MAH/MUL/ 03051/2012	3.102 (IIJIF)
Dr. Vandna Devi Asst. Prof	Chalchitr Sangeet ki Vikas Yatra Main Sangeetkaar Roshan Ka Yogdan	**Vidyawarta** International Multilingual Refereed Journal	July to Sept .2015 Page no 196 Issue- 11 Volume- 1	2319- 9318	3.102
Ms.Simarpreet Kaur Asst. Prof	Hindustani Shastriya Gayan Par Vaishwik Aadhunik Pravratiyo Ka Prabhav.	**Vageshwari** Faculty of Music and Fine &Arts, University of Delhi	Sept 2015 Page -128 Volume -28	ISBN- NO 0975-7872	----
Ms.Simarpreet Kaur Asst. Prof	Punjabi Folk Styles used in bollywood	**Vidyawarta** Interdisciplinary Multilingual Refereed Journal	Jan. – March 2017 Page no 27 Volume - 11	ISSN- 2319-9318	3.102

- Monographs - Nil
- Chapters in Books - Nil
- Edited Books – **1 (Anahad Bani) by Dr. Purvi Luniyal**

- Books with ISBN with details of publishers - Nil
- Number listed in International Database (For *e.g*. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) –
- Citation Index – range / average -
- SNIP -
- SJR –
- Impact Factor – range / average – **(Impact Factor 3.102**
- h-index -

23. **Details of patents and income generated** – N/A

24. **Areas of consultancy and income generated** – N/A

25. **Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad:**
    - *National workshop* by Dr. Rekha Sethi
    - *International workshop* by Dr. Rekha Sethi
    - National Seminars by Dr. Rekha Sethi
    - *International Conference* by Dr. Rekha Sethi
    - National Seminar by Dr. Om Sharma

26. **Faculty serving in**

(A) National committees b) International committees c) Editorial Boards d) any other – N/A

27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs). - Yes**

- *National workshop* by Dr. Rekha Sethi
- *International workshop* by Dr. Rekha Sethi
- National Seminars by Dr. Rekha Sethi
- *International Conference* by Dr. Rekha Sethi
- National Seminar by Dr. Om Sharma

28. **Student projects**
    - Percentage of students who have done in-house projects including inter-departmental projects - **Seven**
    - Percentage of students doing projects in collaboration with other universities/industry /institute - N/A

29. **Awards / recognitions received at the national and international level by**
    - Faculty-

Sr. no	**Name of faculty**	**Level**	**Programme Detial**	**Date**
1.	Dr. Purvi Luniyal	International	1st International Children's Sufi Festival , held at Mohali (Punjab)	Oct. 29-30, 2015
2.	Dr. Purvi Luniyal	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
3.	Dr. Om Sharma	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016

4.	Ms. Kulwinder Kaur	International	1st International Children's Sufi Festival , held at Mohali (Punjab)	Oct. 29-30, 2015
5.	Ms. Kulwinder Kaur	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
6.	Ms. Amandeep Kaur	International	1st International Children's Sufi Festival , held at Mohali (Punjab)	Oct. 29-30, 2015
7.	Ms. Amandeep Kaur	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016

- Doctoral / post doctoral fellows - Nil
- Students -

S. no	**Name of Students**	**Reg. no**	**Level**	**Programme Detial**	**Date**
1.	Ms. Kamaljeet Kaur	BS15MAMU001	International	1st International Children's Sufi Festival , held at Mohali (Punjab)	Oct. 29-30, 2015
2.	Ms. Kamaljeet Kaur	BS15MAMU001	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
3.	Ms. Manpreet Kaur	BS15MAMU002	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
4.	Ms. Manpreet Kaur	BS15MAMU002	International	1st International Children's Sufi Festival , held at Mohali (Punjab)	Oct. 29-30, 2015
5.	Ms. Manpreet Kaur	BS15MAMU003	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
6.	Ms. Manpreet Kaur	BS15MAMU003	International	1st International Children's Sufi Festival , held at Mohali (Punjab)	Oct. 29-30, 2015
7.	Ms. Navneet Kaur	BS15MAMU004	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
8.	Ms. Navneet Kaur	BS15MAMU004	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
9.	Ms. Raj Kaur	BS16MAMU002	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016

10.	Ms. Ramandeep Kaur	BS16MAMU003	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
11.	Navneet kaur	BS14BMU018	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
12.	Navneet Kaur	BS14BMU019	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
13.	Paramjeet kaur	BS14BMU020	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
14.	Rajbir Kaur	BS14BMU021	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
15.	Sandeep Kaur	BS14BMU022	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
16.	Simarjit kaur	BS14BMU023	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
17.	Ms. Rampreet Kaur	BS15BA024	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
18.	Ms. Jagneet Kaur	BS15BA010	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
19.	Ms. Rajanpreet Kaur	BS15BAMU018	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016
20.	Ms. Baljinder Kaur	BS15BAMU001	International	The World Culture Festival by Shri Shri Ravi Shankar, held at New Delhi	11, 12 & 13 March 2016

30. **Seminars/ Conferences/Workshops organized and the source of funding (national/International) with details of outstanding participants, if any**. –

S. no	Topics of workshop	Date	By
1.	Melodic Extection Within Raag Context	8th April 2016	S. Dharambir Singh (MBE) from England
	Rhythmic Manipulation within Taal Context	9th April 2016	

31. **Code of ethics for research followed by the departments**

Research should be relevant, need based and conducted with total commitment and passion for finding truth and answer to unanswered questions for improving the quality of life.

32. **Student profile programme wise: Details of 2016 Batch**

Name of the programme (refer to question no. 4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
B.A (Hons) Music,	26		26		100%
M.A (Music)	6		4		66%
Ph.D (Music).	3		1		33%

33. **Diversity of students**

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of students From other countries
B.A (Hons) Music,	**Nil**	**Nil**	**Nil**	**Nil**
M.A (Music)	**100%**	**Nil**	**Nil**	**Nil**
Ph.D (Music).	**Nil**	**100%**	**Nil**	**Nil**

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. – N/A**

35. **Student progression**

Student progression	**Percentage against enrolled**
UG to PG	**10%**
PG to M.Phil.	**Nil**
PG to Ph.D.	**Nil**
Ph.D. to Post-Doctoral	**Nil**
Employed	
Campus selection	**90%**
Other than campus recruitment	**10%**
Entrepreneurs	**Nil**

36. **Diversity of staff**

Percentage of faculty who are graduates	
of the same university	28.57%
from other universities within the State	28.57%
from universities from other States from	43%
universities outside the country	Nil

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period - Ph.D awarded 3 (in Total)**

- **Dr. Simarpreet Kaur**
- **Dr. Vandna Devi**
- **Dr. Rekha Sethi**

38. **Present details of departmental infrastructural facilities with regard to**

a) Library – **Common (EU)**

b) Internet facilities for staff and students – **yes**

c) Total number of class rooms – **7**

d) Class rooms with ICT facility – **N.A**

e) Students' laboratories – **N.A**

f) Research laboratories – **N.A**

1. <u>Infra- Structure :-</u>

Dept has excellent classrooms and performance hall. Instructions and Practical Training are imparted by well- qualified and experienced faculty.

(1. A) <u>Class-Room Details -</u>

1. Classrooms	=7	8. Toilets	(for staff)	=	3
2. Office	=1	9. Toilets	(for students)	=	3
3. Lect. Dem Room	= 1	10. Library (Common, EU)			

4. Recording Room = 1
5. Hall for Stage performances =1
6. Store room = 1
7. Store for Music Instruments = 1

(1.B) Instruments Detail: - Dept has very wide and unique range of Music Instruments.

1. Harmonium = 72
2. Tabla = 26
3. Sitar = 24
4. Sarangi (for DhadhiVaar) = 5
5. Sarangi (Classical) = 8
6. Veena = 4
7. Dhrupadi Rabab = 6
8. Afgani Rabab = 6
9. Guitar = 7
10. Taaus = 9
11. Dilruba = 10
12. Taar- Shehnai = 4
13. Saranda = 4
14. Sur- Mandal = 3
15. Violin = 9
16. Mendolin (European Folk Instrument) = 2
17. Dhol = 4
18. Taanpura = 5
19. Dholaki = 7
20. Drain (Tibbati Instrument) = 3
21. Dhatam (South Indian Instrument) = 1
22. Pakhawaj = 10
23. Synthesizer = 1
24. Benjo = 1
25. Erhu (Mangolian instrument) = 1
26. Electronic Tanpura = 5
27. Electronic Tabla = 4
28. Electronic Lehra = 2
29. Santoor (Kashmiri Instrument) = 1
30. Nal- Tarang = 1
31. Sarod = 7

39. **List of doctoral, post-doctoral students and Research Associates**

From the host institution/university – Nil

From other institutions/universities – **1**

40. **Number of post graduate students getting financial assistance from the university.** –

Four

But these students are getting financial assistance from the Kalgidhar Trust, Baru Sahib.

S.no	Name of the students	Reg. no
1.	Ms. Kamaljeet Kaur	BS15MAMU001
2.	Ms. Manpreet Kaur	BS15MAMU002
3.	Ms. Manpreet Kaur	BS15MAMU003
4.	Ms. Navneet Kaur	BS15MAMU004

41. **Was any need assessment assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Yes, we did lot of Exercies on these Instruments - Dhrupadi *Rabab, Taaus, and Sarnda & Afgani Rabab.*

42. **Does the department obtain feedback from** – This exercise done on University level

- **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

  Yes, evaluation was carried out on the bases of course curriculum. The feedbacks from different team of experts are compiled and incorporated in the course curriculum for the academic growth of the students.

- **Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

  We take appropriate decision on behalf of feedback.

- **Alumni and employers on the programmes offered and how does the department utilize the feedback?**

  Yes we take appropriate feedback from alumni regarding curriculum development.

43. **List the distinguished alumni of the department (maximum 10)**

Sr. No.	Name
1	Ramandeep Kaur
2	Amandeep Kaur
3	Mandeep Kaur
4	Parminder Kaur
5	Manpreet Kaur
6	Komalpreet Kaur
7	Navdeep Kaur

8	Prabhsimran Kaur
9	Sharanjeet Kaur
10	Simarjeet Kaur

44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. –**

- **Two days Workshop organized on 8 & 9 April 2016 by International Sitar Maestro Ustad Dharmbir Singh from England (**Melodic Extection within Raag Context)
- Rhythmic Manipulation within Taal Context)**.**
- **Department organies time to time special lectures from external expert.**

45. **List the teaching methods adopted by the faculty for different programmes**

Faculty is using *extra mark* smart board to inspire students through audio/visuals recordings of renowned artists in the field of Music time to time

46. **How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Dept. provides special platform in the form of stage-performance organize on monthly basis where the students judged by the faculty and guided to improve their skills in their respective field.
- Continuous Internal Assessment Tests
- Periodical Seminars and Assignments
- Tutorials

47. **Highlight the participation of students and faculty in extension activities.–**
They are encouraged in extension activities as mentioned below:

a) **Anahad Bani: -**This programme is World's first TV programme which has been continuously telecasted on **PTC NEWS** since 14 April 2010 till 11 August 2013. In this programme, the students of this Dept. recited complete *Gurbani* in the same *Ragas,* which is mentioned in Shri Guru Granth Sahib ji with various ancient string instruments.

b) **Dhur ki Bani**:-This was a **live Telecast programme** daily shown on ***Zetc* Punjabi channel** from 14th Feb, 2012 till 31stDecember 2013 for a duration of 3.30 hours. In this programme, all the students of this Dept. Performed *Nitnem, Aasa Ki Vaar* and *Sodar* (*Rehras*) regularly.

c) **DVD/Cassette released: -** *Aasa ki vaar, Nitnem, Shabad Kirtan* and *Dhadhi Waran.*

d) Books released: - ***Anahad Bani*** and ***Anahad Naad.***

Note: - Students participation on different programs from January 2017 til date = 92 programs. Details are attached at the last page

Number of M.A Music Students Participation = 7

Number of B.A Music Students Participation = 18

48. **Give details of "beyond syllabus scholarly activities" of the department. –**

I. **Global Travelling /Performing Opportunity: -** The unique training imparted at this dept. of excellence, helps the students with an excellent opportunity for global exposure, to travel the world & perform live globally. Students from this dept. are regularly performing live with variety of string instruments **at various National & International locations (USA, Canada and Australia etc).**

II. Department takes initiative to teach devotional music to students of other departments of EU.

III. Faculty and PG students of dept. take special music classes in International Youth camp every year (Organises by Kalgidhar Trust, Baru Sahib in month of July- August).

49. **State whether the programme/ department is accredited/ graded by other agencies? If yes, give details**. – No

50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Dept. provides students an opportunity with a rare combination of learning Gurmat Sangeet, Tabla, along- side ancient Indian String Instruments like Rabab***, Taaus, Dilruba, Taar – Shehnai, Sarod Sitar, Sarangi, Saranda and Violin***. **No college in India and abroad provides above such instruments at one place.** This makes the students well-groomed, more confident of one's abilities & is of immense help to them while seeking employment for teaching in the field of Music.

51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Our Strengths:-

Infra- Structure & Faculty –

Dept has excellent classrooms, performance hall and wide range of Instruments.

Instructions and Practical Training are imparted by well- qualified and experienced faculty.

Research Publication :- (Details are on Point no. 22)

In addition, department has to its credit**, release of DVD / Cassette (***Aasa ki vaar, Nitnem, Rehras & Dhadhi Waran.) & also books* ***Anahad Bani*** and ***Anahad Naad*****)**

In-House Employment Opportunities for passing-out students

The objective of setting up of this dept is to prepare a team of students who are proficient not only academically in their respective chosen subjects but can readily get employed / self-employed. Kalgidhar Trust has its chain of schools named "Akal Academy", across North-India.

The daily & strict regimen of practical training and ***Riyaz ,*** immensely helps to lay a very strong foundation for these students, so that they become confident & complete teachers themselves & are absorbed as Music Teachers / Lecturers at any of many upcoming branches of "Akal Academies" , which are fast spreading all over Punjab and in the Country. It thus provides a win-win situation, where-in one hand Academies get potential In-house faculties & students get the job opportunities, soon after passing out & being absorbed internally.

Culture of Over-All Personality Development:-

Apart from a whole- some education in the field of Music, faculty also ensures parental care & affection, so necessary, for the students, while having their rigorous training. It thus helps in blossoming of these students as well- groomed personalities.

Our Weaknesses:-

- Being situated in remote, getting quality faculty & retaining them is a on-going challenge, faced by the institution, in general.
- Work needs to be fast-forwarded towards research based education & thus authorisation for imparting of Ph.D, under incumbent competent faculty, needs to be worked upon on priority.
- Encourage faculty to participate in National as well as International level professional work.
- We need to speed up our initiative of online teaching of off-shore students of classical music, to make impact on much larger section of students, in the same time.
- As we want to encourage more & more of research activities in our department & are working towards Ph.D programmes soon, ensuring range of collection of books & periodicals & timely availability of latest presentation across world, in our library, is a must .It will help us /our students, in keeping ourselves abreast with the latest development, which can immensely facilitate the students doing Ph.D programme at our university.

52. **Future plans of the department:- Music courses, to be taught world-wide online.**

EVALUATIVE REPORT OF DEPARTMENT OF PSYCHOLOGY

1. **Name of the Department** : Department of Psychology

2. **Year of establishment** : 2016

3. **Is the Department part of a School/Faculty of the university?**
Yes, it is a unit of Deptt. of Arts & Social Science

4. **Names of programs offered:** B.Sc. (Hons.) Psychology

5. **Interdisciplinary programs and departments involved:**

MBA
BA Humanities
MPH
B.Sc. Nursing

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NA

7. **Details of programs discontinued, if any, with reasons:** No

8. **Exam. System: Annual/Semester/Trimester/Choice Based Credit System:** Semester System

9. **Participation of the department in the courses offered by other departments :**

S.No.	Departments
1.	MBA
2.	BA Humanities
3.	MPH
4.	B.Sc. Nursing

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others):**

Faculty	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	-	-
Associate Prof.	1	1	-
Asst. Prof.	2	1	-

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. Students guided for the last 4 years
1.	Dr. N. L. Gupta	MA, M.Phil, PhD	Assoc. Prof.	Clinical Psychology	34 years	18 MPH students of this University for theses
2	Dr. Neelam Kumari	MA, M.Phil Ph. D.	Assistant Prof.	Clinical Psychology	5.5 years	

12. List of senior Visiting Fellows, adjunct faculty, and emeritus professors:
NA newly started course

13. Percentage of classes taken by temporary faculty – programme-wise information:
NA

14. Programme-wise Student Teacher Ratio : 6 : 1

15. Number of academic support staff (technical) and administrative staff: Sanctioned, filled and actual
Academic support staff (technical) and administrative staff from the University

16. Research thrust areas as recognized by major funding agencies:

Stress management, Anxiety, emotional intelligence, coping with stress and emotions

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil

18. Inter-institutional collaborative projects and associated grants received: Nil

a) National collaboration **b) International collaboration**

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: NA

20. Research facility/Centre with: The Course started in 2016-17 session only. We are putting efforts to get recognition from State/National/International bodies.

- State recognition
- National recognition
- International recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies.

The Course started in 2016-17 session only. We are putting efforts to establish labs with collaboration of industry.

22. Publications:

Sr. No.	Subject	Number
1	Number of research paper published in peer reviewed Journal(National/International)	8
2	Monographs	Nil
3	Chapter in books	Nil
4	Books with ISBN and details of the publisher	Nil
5	Books Edited	Nil
6	Number listed in international database(Web science, Scopus, Humanities International Complete, EBSCO, Host etc.), Citation index-Range/Average, SNIP, SJR, Impact Factor-Range/Average, H-Index	Nil
7	Research Awards received by faculty and students	Nil
8	National and International recognitions received by the faculties	Nil
9	Indicate the average number of M.Phil. And Ph.D. Scholars guided by the faculties	The Course started in 2016-17 session only

List of Publications:

1. Gupta, N.L. (1995).Personality differences on moral judgment among male and female students of Himachal Pradesh.Journal of Psychological Researches, vol. 39 No.& 2, 67-71.

2. Kaur, R.,Chauchan, H.S., Gupta, N.L., Thakur, P. ,&Pahari, S. (2015). Assessment of Accredited Social Health Activist's Knowledge about Health Problems and Services Being Provided by Her to People Of District Ludhiana : Punjab J Res Indian Med-ISSN 0970-7700, (cited August 23,2015) ; Online First : 19 Feb, 2015

3. Thakur, K., Chauhan, H.S., Gupta, N.L., Thakur,P., &Dipendra, M. (2015).A Study to assess the Knowledge & Practices Of Anganwadi Workers & Availability of Infrastructure In ICDS Programme, At District Mandi Of Himachal Pradesh.RHIMRAJ- ISSN :VOl.-2,Issue-1, January-2015, ISSN: 2349-7637; Online First: December,2014

4. Bala, I., Gupta, N.L., Chauhan, H.S.,Bharti,S., & Thakur, B. (2017) Relationship of Breakfast Skipping Nutritional Status among Senior Secondary School Adolescents of District Una, Himachal Pradesh (India). RHIMRAJ- ISSN : VOl.-4,Issue-01, January-2017, ISSN: 2349-7637; Online

   One research paper has sent to journal under consideration for publication

5. . KumariNeelam, SoodAnup :Relationship Between Occupational Stress And Burnout Among School Teachers, *International Journal of Science Technology and Management*, ISSN-2394-1537, Vol. No. 6 Issue No. 1, January, 2017:117-126. Impact Factor of Journal-2.012

6. KumariNeelam, Sharma Hema :Impact Of Teacher's Characteristics On Their Burnout, *International Journal of Science Technology and Management*, ISSN-2394-1537, Vol. No. 6 Issue No. 1, January, 2017:.904-911**.** Impact Factor of Journal-2.012

7. KumariNeelam,:Relationship Between Occupational Stress And Negative Mood Regulation Expectancy (NMR)Among School Teachers, *International Journal of Advance Technology in Engineering Science*& Science , ISSN-2348-7550 Vol. No. 5 Issue No. 2, February, 2017: 304-312. Impact Factor of Journal-2.870

8. Sharma Hema, VermaNeelam, & R.L. Zinta: Effect Of Parental Anxiety On Problem Focused Coping Strategies Ofover And Under Achiever High School Students Differing Intest Anxiety,*Indian Journal of Psychological Science,* ISSN-0976 9218 January-2014. Impact Factor of Journal-awaited.

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated: Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad: N/A

26. Faculty serving in
National committees b) International committees c) Editorial Boards d) any other: NA

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): NA, Newly established deptt.

28. Students Projects: NA

29. Awards/ recognition at the National and International Level : Nil

30. **Seminar /Conferences/ Workshops organized and the source of funding (National/ International):** The department established in 2016-17. We are planning to organize such events in coming years.

31. Code of ethics for research followed by the departments:
Research should be relevant, need based and conducted with total commitment and passion for finding truth and answer to unanswered questions for improving the quality of life.

32. Students Profile programme wise:

Name of Programme	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc. (Hons.) Psychology	20	-	12	-	ongoing

33. Diversity of the Students :

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of Students From Other Countries
B.Sc. (Hons.)Psychology	50%	10%	40%	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

The department established in 2016-17.

35. Student progression:

Students Progression	**Percentage Against enrolled**
UG to PG *	-
PG to M.Phil.	-
PG to Ph.D.	-
Employed	-
Campus Selection	-
Other than campus recruitment Entrepreneurs	-

36. Diversity of Staff:

Percentage of Faculty who are graduates	
Of the same university	NIL
From Other University within the state	100%
From Universities from other states from	NIL
Universities outside the Country	NIL

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: NA

38. Present details of departmental infrastructural facilities with regard to

a) Library: Details of books are available in Central Library.
b) Internet facilities for staff and students: College has full -fledged wired as well as Wi-Fi facility for Internet
c) Total number of class rooms: 03
d) Class rooms with ICT facility: Some classrooms are equipped with projector and Internet facility.
e) Students' laboratories: Laboratory: Computer Laboratory is shared with Computer Science Departmental Lab with more than 100 computers.

f) Research laboratories: The department is planning establish research laboratories.

39. List of doctoral, post-doctoral students and Research Associates from the host institution/university from other institutions/universities: NA

40. Number of post graduate students getting financial assistance from the university:

Number of students receiving financial assistance from government agencies: students belonging to Minorities groups receive scholarships from the State Government.

41. Was any need assessment exercise undertaken before the development of new programme (s)? If so, highlight the methodology:

Yes, the departmental faculty members submit their contents and assessment is done through of board of studies. Than it is submitted to academic council for final approval.

42. Does the department obtain feedback from?

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? :

- Yes, thorough evaluation was carried out on course curriculum.
- The feedback from different experts are compiled and incorporated in the course curriculum for the academic growth of the students.

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :

- Yes, learning evaluation is carried out by teachers from time to time by conducting a surprise quiz verbally or by writing. Official sessional and semester exams are conducted twice in each semester.
- Teaching evaluation is carried by students at the end of each semester giving performance index to the faculties. Based on various feedback obtained from students. Teachers improve the method of teaching by discussing with the students.

c) **Alumni and employers on the programs offered and how does the department utilize the feedback? :** NA

43. List the distinguished alumni of the department (maximum 10)

: Newly started Course

: Presently not available

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts:

Year	Special Lectures/ Workshops	Date of the Event	Name of the Individual/ organization/ cos. which conducted
2017	A one-day "Intellectual Property right" workshop	March 14th , 2017	Eternal University Baru Sahib HP

Department focuses on enriching the students with various activities. Invitation of expert faculties for teaching different courses is kept mandatory for each semester. With this, students develop more interest on particular subject with the valuable lectures given by experts. Besides expert faculty, from other colleges is also kept mandatory for each semester so that it will impart ideas and knowledge on students who plan career in corporate sector. Students are also encouraged to participate in extracurricular activities like Sports, Technical festivals, Cultural festivals, Seminars, Talks, Mock Interviews, Extempore, and Group Discussions etc.

45. List the teaching methods adopted by the faculty for different programs:

(i) Lecture Method

(ii) Group Discussion.

(iii) Quiz Competition

(iv) Power Point Presentation

(v) Project based teaching method.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?:

In order for the objectives to be met, class-wise course handouts/ notes are made by the concerned faculty considering the number of working days. If the objectives are not met within the planned duration, extra classes are arranged so that none of the courses will be left undone. The learning outcomes are monitored by daily assessment of their comprehension through verbal quizzes, time to time surprise written quizzes and sessional and semester exams.

47. Highlight the participation of students and faculty in extension activities:

Besides, participation in host institutes, students are encouraged to participate in various technical fests organized by ACASS.

48. Give details of "beyond syllabus scholarly activities" of the department:

Every fort-nightly, the department holds activities like, group discussion, extempore, mock interviews, stage dramas etc.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:

N/A

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

NA, Presently not eligible as the Department was established in 2016

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strength:

- A young and dynamic faculty with diverse specialization and interests.
- Creativity in teaching and practical demonstrations in the classrooms.
- Coordination with other departments for interdisciplinary activities.
- Qualified and dedicated faculties with PhD.
- Punctuality, co-operation, mutual understanding is other strong motive the department is committed too.

Weakness:

- Some students arelacking communication skills in English.
- Students come from poor socio-economic background.
- Connectivity problem due to remote areas
- Mainly manpower as the university is in a very remote and secluded area.
- Psychological journals are insufficient, online journals not available.

Opportunities:

- To develop leadership qualities among students through departmental activities.

Challenges:

- The main challenge is that the Department is in its infant stage and sources are being tapped. We are trying to incorporate the subject developments at national and international level in our curriculum.

52. Future plans of the department:

- To introduce further degree courses including postgraduate, M Phil & Ph.D.
- To encourage students to participate in the summer schools/ workshops and lecture conducted byother external agencies.
- To organize student enrichment and teacher enrichment programs.
- To organize need based Work Shop.
- To increase the research activities in the Department.
- To have linkages and networking with the other universities and Govt. and Non Govt. agencies.

EVALUATIVE REPORT OF THE DEPARTMENT OF ENGLISH AND COMMUNICATION STUDIES

1. **Name of the Department: Department of English and Communication Studies**

2. **Year of establishment: 2013**

3. **Is the Department part of a School/Faculty of the university?:** Yes, Akal College of Arts and Social Sciences.

4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Sc., D.Litt., etc.):** B.A. Hum. (3years course), MA, Ph.D.

5. **Interdisciplinary programmes and departments involved: The Faculty teaches various**
   Courses in other Colleges such as:
   a) Akal College of Science and Technology (B. Tech. CSE,ECE,EEE)
   b) Akal College of Agriculture (B.Sc. Agriculture)
   c) Akal College of Basic Sciences (B.Sc. Chemistry, Botany Zoology, Medical, NM)
   d) Akal College of Health and Allied Sciences, (B.Sc. Nursing)
   e) Akal College Economics, Commerce and Management (B.Com., B.Sc. (Hons.)
      Econ. and MBA)
   f) Akal College of Arts and Social Sciences (BA (Humanities and Music)

6. **Courses in collaboration with other universities, industries, foreign institutions, etc**.: No

7. **Details of programmes discontinued, if any, with reasons**: No

8. **Exam. System: Annual/Semester/Trimester/Choice Based Credit System:**

   Semester System

9. **Participation of the department in the courses offered by other departments:.**

   1. B.Sc. Nursing
   2. B. Tech. (CSE/ECE/EEE)
   3. MBA
   4. BA Music
   5. BA Humanities
   6. B.Sc. Agriculture
   7. B. Sc. (Hons.) Economics
   8. B.Sc. (Hons.) Psychology
   9. B. Com.

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

Designation	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	-
Associate Prof.	1	1	-
Asst. Professor	3	3	-
Others	1	1	-

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. Students guided for the last 4 years
1. Dr. Kulbhushan Kumar	MA, Ph. D.	Associate Professor	English and , Indian Literature, Communication Skills, Grammar, Linguistics	25 Years	No
2. Dr. Nisha Thakur	MA, Ph. D.	Asst. Prof.	English Literature, Indian Literature	5 years	No
3. Sh. CS Sharma	MA, M. Phil.	Asst. Prof.	English Literature, Grammar,	27 Years	N/A
4. Ms Kuljinder Kaur	MA	Asst. Prof.	Comm. Skills, Grammar	20 Years	N/A

12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors: .**

1. Dr Rajesh Gupta – HoD Punjabi University, Patiala
2. Prof. Dr. Sukhdev Singh, Head, Dept. of English, G. N. D. University, Amritsar
3. Dr. Sawraj Raj, Head, Post Graduate Dept. of English, Sri Guru Granth Sahib University, Sarhand (Punjab)
4. Prof. L.S. Bedi (Patiala), Khalsa College, Ludhiana

13. **Percentage of classes taken by temporary faculty – programme-wise information**
No Temporary faculty

14. **Programme-wise Student Teacher Ratio: 20:1**

15. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:**

Services of supporting staff is obtained from university.

16. **Research thrust areas as recognized by major funding agencies:**
A project on Protection and Preservation of Endangered Languages of Sirmour District (HP) is instituted and is in pipeline with the Govt. of HP.

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:**
The District project is in pipeline

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration **b) International collaboration**

A proposed project on Protection and Preservation of Endangered Languages of Sirmour District (HP) is instituted and is in pipeline with the Govt. of HP.

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.** - No

20. **Research facility/Centre with**
State recognition:
A project on Protection and Preservation of Endangered Languages of Sirmour District (HP) is instituted and is in pipeline with the Govt. of HP.

National recognition: No

International recognition: No

21. **Special research laboratories sponsored by/created by industry or corporate bodies**
Use University Labs

22. **Publications:**

Dr. Kulbhushan Kumar

- Kumar K. (2016), Reading Lolita in Tehran – An Intellectual Unfolding of a Private Literature Class, IJELAL, 3-3, pp 503-509.
- Kumar K. (2016), "Exploring the World in Pursuit of Ecstasy" RJELAL, 4-3, pp 171-178.
- Kumar K. (2016) "Last Poems of DH Lawrence – The Journey to the Edge of Eternity" RJELAL, 4-1, pp 540-546.
- Kumar K. (2016) "Exploration of Caste, Culture and Identity – A Psychological Conflict in U. R, Ananthamurthy's Bharthipura", IJELLH, 4-1, pp 316-324.
- Kumar K. (2015) "Night of the Half Moon – The Unexplored World of Experience", IJELLH, 3-10, pp 606-614.
- KumarK. (2015)"Birds, Beasts And Flowers: The Unexplored World of Experience: Quest for Poetic Experience" IJELLH, 3-9 pp 477-489.
- Kumar K. (2015) "Survival, Adaptability and Resilience of the Human Spirit in 'One Day in the Life of Ivan Denisovich", IJELLH, 3-8, pp 116- 127.

- Kumar K. (2015) “The Vibrant Poetry of DH Lawrence: A Study of Instincts”, IJELLH, 3-7, pp 123-133.

Mr. CS Sharma

- Sharma CS, (2014), "R. K. Narayan: A Study in Religion and Myth, IJELLH, 2-6, pp 12-
- Sharma CS, (2015), "A Holistic Approach to Emailing Etiquettes" IJELLH, 2-9, pp 282 300.

Dr. Nisha Thakur

- Thakur, Nisha, (2016) “Vijay Tendulkar’s A Friend’s Story: A Social-Psychological Perspective of a Lesbian in Homophobic World”, IJELLH, 4-1, pp 419-427.
- Thakur, Nisha. (2014) “Vijay Tendulkar’s Kanyadaan: A Study of Power-Politics and Consciousness”, Research Scholar, 2-3, pp 769-778.

Conferences –National/International:

Dr. Kulbhushan Kumar

- Kumar K. “Hypocrisy of Brahminism in UR Ananthamurthy’s Samskara”, 61st All India English Teachers’ Conference at Hislop College (RTM University) Nagpur, 20-22 January, 2017.
- Kumar K. “Redefining Identities and Plight of Untouchables in Mulkraj Anand’s – Untouchable” Maulana Azad Research Centre Aurangabad, Maharashtra, Dec. 09-10, 2016.
- Kumar K. “Outcaste – A Structural Study” Amity University at its Lucknow campus, February 18–19, 2016.
- Kumar K., “Portrayal of the Lower Class People in Mulk Raj Anand’s Novel ‘Untouchable’, UGC sponsored and organized by GGDSD College, Panjab University, Chandigarh, 13 Feb., 2015.
- Kumar K. “The World of Books in the Quest for Happiness” CKD Institute of Managament and Technology, (Punjab Technical University), Nov. 08, 2015.
- Kumar K., “Tradition and Modernity in U. R, Anantha Murthy’s Bhartipura”, GGDSD College, Panjab University, Chandigarh, Nov. 04, 2014.
- Kumar K., “Theme of Adaptability in Solzhenitsyn’s One Day in the Life of Ivan Denisovich” 59th All India English Teachers Conference, Rajasthan Technical University, Kota, Rajasthan, 19-21 Dec. 2014.
- Kumar, K., “English -- Master For Masters”, U.G.C. sponsored State Level Seminar at Master Tara Singh Memorial College For Women, Ludhiana, July, 2008.
- Kumar, K., “Instinctive response to life in the poetry of D.H. Lawrence”, 51st All India English Teachers Conference, Shivaji University, Kolhapur (Maharashtra) 27-29 Dec. 2006.
- Kumar, K., “D.H. Lawrence: Poet without A Mask”, 47th All India English Teachers Conference, Lucknow University, 2002.
- Kumar, K., “Knowledge Work in a Society: Rethinking Links between University Teaching & Research”, Seminar on ‘Effective Teaching’, Lovely Institutes, August, 2006.

Mr. CS Sharma

- Sharma CS, "Spicy Trend of Indianism in English" CKD Institute of Management and Technology, (Punjab Technical University), Nov. 08, 2015.

Dr. Nisha Thakur

- Thakur Nisha, (2011) "Society Creating an Emotional Hegemony in Vijay Tendulkar's Plays" H.P. Institute of Management Studies, 10-11 Dec.
- Thakur Nisha, Gupta Monica (2012) "Resisting the Society: Female Voice in Vijay Tendulkar" National Conference, NCAS College Meerut, 1-2 Dec.
- Thakur Nisha, (2014) "Vijay Tendulkar's a Friend's Story: A Social-Psychological Perspective of a Lesbian in Homophobic World" at 59th All India English Teachers' Conference, Kota, Rajasthan, 19-21 Dec.

B. Monographs/Magazine : EU Voice Magazine

C. Chapters in Books : 1

D. Edited Books : 1

E. Books with ISBN with details of publishers : 1

F. Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : No

G. Citation Index – range / average : No

H. SNIP :

I. SJR :

J. Impact Factor – range / average : 4.26

K. h-index :

23. **Details of patents and income generated** - No

24. **Areas of consultancy and income generated** - No

25. Faculty selected nationally/internationally to visit other laboratories / institutions / industries in India and abroad:

Sr. No.	Institution	Station
1.	Rani Padmavati Tara Yogatantra Adarsh Sanskrit Mahavidlaya,	Varanasi.
2.	Resource Person in the seminar for Master Resource Persons at Regional Institute for Co-operative Management (RICM)	Sector-32, Chandigarh

26. **Faculty serving in National Committees b) International Committees c) Editorial Boards d) any other**

1.	Dr Kulbhushan Kumar	1. Member, Forum for Creative Writers in India 2. Member Association for English Studies in India 3. Member The English Literator Society

27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): Faculty members are allowed to attend refresher programs, workshops and trainings such as:**

Name	Faculty Name	Workshop/ Refresher Course attended	Place
	Dr Kulbhushan Kumar	1. First International Conference on, "Fostering 21st Century Pedagogical Skills", Oct. 14-17, 2016	Eternal University, Baru Sahib, (HP)
		2. Second International Workshop on "Fostering 21st Century Pedagogical Skills – International Master Teacher Training"	Eternal University, Baru Sahib, (HP)
		3. Intellectual Property Rights : Issues and Challenges— A two days' workshop.	Eternal University, Baru Sahib, (HP)
	Sh. CS Sharma	1. First International Conference on, "Fostering 21st Century Pedagogical Skills", Oct. 14-17, 2016	Eternal University, Baru Sahib, (HP)
		2. Second International Workshop on "Fostering 21st Century Pedagogical Skills – International Master Teacher Training"	Eternal University, Baru Sahib, (HP)
		3. Intellectual Property Rights : Issues and Challenges— A two days' workshop.	Eternal University, Baru Sahib, (HP)
	Dr Nisha Thakur	1. First International Conference on, "Fostering 21st Century Pedagogical Skills", Oct. 14-17, 2016	Eternal University, Baru Sahib, (HP)
		2. Second International Workshop on "Fostering 21st Century Pedagogical Skills – International Master Teacher Training"	Eternal University, Baru Sahib, (HP)
	Ms Kuljinder K. Dhillon	1. First International Conference on, "Fostering 21st Century Pedagogical Skills", Oct. 14-17, 2016	Eternal University, Baru Sahib, (HP)
		2. Second International Workshop on "Fostering 21st Century Pedagogical Skills – International Master Teacher Training"	Eternal University, Baru Sahib, (HP)
		3. Intellectual Property Rights : Issues and Challenges— A two days' workshop.	Eternal University, Baru Sahib, (HP)

28. **Student projects**

- Percentage of students who have done in-house projects including interdepartmental projects - No
- Percentage of students doing projects in collaboration with other universities /industry / institute - No

29. **Awards / recognitions received at the national and international level by**

- Faculty
- Doctoral / post-doctoral fellows
- Students - No

30. **Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any**

No

31. **Code of ethics for research followed by the departments:** -

Integrity, honesty and competence in the conduct of research; accuracy of research data and reports; acknowledgement of sources of data collected; information or other contribution to research; openness and responsibility in the conduct and presentation of research, credit to others' contribution, resources and material utilized in research; recognition of Intellectual Property Rights i.e. Copy Right Patent.

32. Student profile programme-wise:

Name of the Programme (Refer to question no 4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
MA 2013 Batch	4	-	2	-	100
BA 2014 Batch	15	-	12	-	Batch running
BA 2015 Batch	32	-	29	-	Batch Running
BA 2016 Batch	50	-	44	-	Batch Running
Ph. D. 2016 Batch	3	1	-	-	Batch Running

33. **Diversity of Students:**

Name of the programme (refer to question No 4)	% of students from same University	% students from other University within the state	% of students from other University from other state	% of students from other countries
MA 2013 Batch	N/A 2	No No	100 No	No No
BA 2014 Batch	N/A	No	100	No
BA 2015 Batch	N/A	No	100	No
BA 2016 Batch	N/A	No	100	No
Ph.D. 2016 Batch	No	No	100	No

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. Student progression** - No

35. **Student progression**

Student progression	Percentage against enrolled
UG to PG	20%
PG to M.Phil	NA
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	NA
Employed ➢ Campus selection ➢ Other than campus recruitment ➢ Entrepreneurs	100%

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	No
From other universities within the State	25%
From universities from other States from	75%
Universities outside the country	No

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** No

38. **Present details of departmental infrastructural facilities with regard to**

a) Library: No separate departmental library is available; there is a system of common central library. There are sufficient number of books (with respect to number of students and courses) available in the library for Graduate and Post Graduate courses.

b) Internet facilities for staff and students:
There is regular supply of internet facility (Wi-Fi and LAN) provided by the University for staffs and students.

c) Total number of class rooms: Three

d) Class rooms with ICT facility:

No, Common ICT –Auditorium & Communication lab.

e) **Students' Laboratories**
1. Communication Lab. with 30 PCs and Headphone with GLOBRENA software.
2. Computer Lab.

f) **Research laboratories: University lab is utilized when wanted**

39. List of doctoral, post-doctoral students and Research Associates

From the host institution/university: **No**

From other institutions/universities: **One**

40. **Number of post graduate students getting financial assistance from the university.**

University offers wide range of merit scholarships:

Marks obtained in the previous exam	**Tuition fee waiver during first year**
70% to 79%	10% of the total tuition fee
80% to 89%	20% of the total tuition fee
90% to 100%	30% of the total tuition fee

41. **Was any need assessment exercise undertaken before the development of new programme (s)? If so, highlight the methodology:**

Board of Studies and Academic Council is constituted .

42. **Does the department obtain feedback from -- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes, a report evaluated by administration based on students' remarks and points is usually intimated to concerned faculty member, with final advices and remarks of Hon'ble Vice chancellor.

43. List the distinguished alumni of the department (maximum 10) (seminar) involving external experts: No

44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**

1. On all 2nd and 4th Saturdays' of the year, the department holds Seminars, Group Discussions, Extempore, Debates, JAM, Mock Interview Skills, English Dramas and Skits and various other competitions to excel the communication skills of the students.
2. Twice a week, the concerned teacher holds seminar(s) on their relevant subject.
3. Under the aegis of IPR cell, Eternal University, Dr. Vinod Sangwan and Dr. Sunil Kumar, has organized workshop on IPRs Issues and Challenges, which was attended by more than 240 participants and 5 external speakers have presented their lectures on related topics.
4. Department focuses on enriching the students with various activities. Invitation of expert faculties for teaching different courses is kept mandatory

for each semester. With this, students develop more interest on particular subject with the valuable lectures given by experts. Besides expert faculty, from other colleges is also kept mandatory for each semester so that it will impart ideas and knowledge on students who plan career in corporate sector. Students are also encouraged to participate in extracurricular activities like Sports, Technical festivals, Cultural festivals, Seminars, Talks, Mock Interviews, Extempore, Group Discussions etc.

45. List the teaching methods adopted by the faculty for different programmes.

1. Lecture Method
2. Group Discussion.
3. Internet
4. Power Point Presentation
5. Project based teaching method.
6. Demonstration
7. Case Studies
8. Deductive Method
9. Inquiry Method
10. Black board sessions and interaction.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

In order to meet the objectives class-wise course handout is made by the concerned faculty considering the number of working days. If the objectives are not met within the planned duration, extra classes are arranged so that the courses can be completed. The learning outcomes are monitored by daily assessment of their comprehension through verbal quizzes, time to time surprise written quizzes and sessional and semester exams.

47. Highlight the participation of students and faculty in extension activities.

Besides, participation in host institutes, students are encouraged to participate in various technical fests organized by ACASS and the University.

48. Give details of "beyond syllabus scholarly activities" of the department:

On all 2nd Saturdays' of every month, the department holds activities like, group discussion, extempore, mock interviews, stage dramas etc. Besides, the students also participate in extension activities including organizing events such as Conferences, workshops. They also participate in the Eternal University cultural festivals. The students have an active participation in sports meets.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:

1. Higher Education Review Rates Eternal University as University of the Year – 2016 for Pragmatic Education.
2. According to a recent survey for top 25 deemed and private universities in India, Eternal University secured 6th Position among top emerging universities in India by higher Education review magazine.
3. According to a recent survey for top 25 deemed and private universities in India, Eternal University secured 8th Position among top universities for Infrastructure Facilities in India by higher education review magazine.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

1. Students are advised to formally present their projects to their peers and academic staff thereby demonstrating engagement in and exposure to peer critique and peer review. Such an approach supports students' understanding of the research process at a personal level and also creates an understanding of the usefulness of the research process in professional learning and growth. This activity occurs in a subject dedicated to the development of student's research proposals and related activity.

2. Students are asked for the independent study, that means a lot more than students working on their own, rather it emerges when students play a significant part in choosing their own direction, discovering their own learning resources, formulating their own problems, deciding their own course of action and reflecting on the outcome of that process.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strength:

- Qualified and dedicated faculties with Ph.D.

Weaknesses:

- Enrollment of PG students in the department.

Opportunities:

- To develops leadership qualities among students through departmental activities.
- To undertake review of regional languages in the Sirmour district of HP.

Challenges:

- The main challenge is, as the Department is in its infant stage. However, the department is trying to face the challenge that comes on its way. We are trying to incorporate recent language developments at national and international level in our curriculum. The Department is putting stress to undertake interdisciplinary research.

52. **Future plans of the department:**

- To introduce certificate course of International accreditation.
- To organize National Conference.
- To prepare biography of poets and writers of HP state.
- To gear up research activities through research projects on the Himachali languages those are on verge of extinction (especially in Distt. Sirmour).
- To formulate a research mission on the life works, mission and vision of Sant Attar Singh Ji and Sant Teja Singh Ji

EVALUATIVE REPORT OF DEPARTMENT OF EDUCATION

1. Name of the Department :

Akal College of Education

2. Year of establishment :

2011 but classes started from 2013

3. Is the Department part of a School/Faculty of the university?

Yes, Akal College of Education

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

B.Ed.

5. Interdisciplinary programmes and departments involved: Interdisciplinary department is Involved

The department is involved with Arts and Social Sciences for providing assistance in subject's teachers.

6. Courses in collaboration with other universities, industries, foreign institutions, etc. :

SCERT, HP, NCERT, H.P. University, IB, CBSE, Cambridge, CCERT (Centre for Cultural Resource and Training) IB School, 129 Akal Academies for Teaching Practice

7. Details of programmes discontinued, if any, with reasons:

Not Applicable

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System** :

Semester System of Examination

9. Participation of the department in the courses offered by other departments

Value Education and Professional Ethics to the department of university.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual
Professors	1	1	1
Associate Professors	-	-	-
Assistant Professors	7	7	7

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. Students guided for the last 4 years
1.	Dr Neelam Kaur	B.Ed. ,M.B.B.S.,M.S. (Ophthalmic)	Dean	Advisor, Health and Education	30	
2.	Dr. Jaswant Singh	M.A.,M.Ed., Ph.D.	Professor	Psychology	31	
3.	Ms Raino Bhatia	M.A.(Eng.),M. Ed., M.Phil., Ph.D.(Pursuing) ,UGC NET	Assistant Professor	English	12	
4.	Mr. Kawaljeet Singh	M.Sc.(Maths), M.Ed., M.Phil., UGC NET	Assistant Professor	Mathematics	4	
5.	Ms. Varsha Midha	M.A.(Pol Science, Eco), M.Ed.	Assistant Professor	Political Science, Economics	10	
6.	Mr. Satwant Singh	M.A. (Punjabi), M.Ed.	Assistant Professor	Punjabi	1	
7.	Mr. Suresh Kumar	M.P.Ed.	Assistant Professor	Physical Education	5	
8.	Ms. Vandana	M.A. (Music), UGC-NET	Assistant Professor	Music	2	
9.	Mr.Pardeep Kumar	M.F.A.	Assistant Professor	Fine Arts	2	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Sl. No	Names	Designation & University
1.	Hon'ble Baba Iqbal Singh Ji	Chancellor, Eternal University, Akal University ,Eternal Global University
2.	Dr Davinder Singh	Director, Director Akal academies
3.	Dr M.S. Atwal	International Education Consultant
4.	Dr. S.S. Advani	Director, Education and Human Resources
5.	Dr. Juss Kaur Magon	Adjunct Professor, Dept. of Education, McGill University, Canada
6.	Prof. Bruce M. Shore	Professor, Dept. of Education, McGill University, Canada

7.	Miss Catherine Collier	International Teacher Trainer, Helga Todd Teacher Education Foundation
8.	Ms. Kris Bessant	International Teacher Trainer, Helga Todd Teacher Education Foundation
9.	Dr G.S. Sehgal	Educationist
10.	Ms Subha	Education Consultant
11.	Ms Mansa Pandey	Education Consultant
6.	Ms Payal	Education Consultant

13. **Percentage of classes taken by temporary faculty – programme - wise information :**

Not applicable

14. Programme-wise Student Teacher Ratio

B.Ed.: 3:1

15. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others.

Faculty	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	-
Associate Professors	-	-	--
Asst. Professors	7	7	--
Others	--	-	--

16. Research thrust areas as recognized by major funding agencies –
Pedagogy, ICT, Gender Sensitization, Communication Skills

17. Number of faculty with ongoing projects from

a) National

b) International funding agencies and

c) Total grants received. Give the names of the funding agencies, project title and grants received Project-wise: Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration **b) International collaboration**

NCERT, SCERT, North West Accreditation Council (NWAC)

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT,

ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

- State recognition
- National recognition
- International recognition

Projects are initiated

21. Special research laboratories sponsored by / created by industry or corporate bodies

Use University labs

22. Publications:

- Number of papers published in peer reviewed journals (national / international): 02
- Monographs – nil
- Chapters in Books – nil Edited
- Books – nil
- Books with ISBN with details of publishers – nil
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil
- Citation Index – range /average
- SNIP
- SJR
- Impact Factor –range/average-index

List of publications

Name	Publications
Ms Raino Bhatia	➢ **Paper published in a book named 'Higher Education-Striving for Excellence', ISBN : 978-93-82884-32-3,March,2015 (Values and Peace Education: Need of Hour in Higher Education Institutions)**
Mr. Kawaljeet Singh	➢ **Role of Family in the adjustment of Working and Non-Working Women, ISSN 2349-2619-2,July,2016**

23. Details of patents and income generated :

Not applicable

24. Areas of consultancy and income generated :

In-service Programme for School Teachers

25. Faculty selected nationally / internationally to visit other laboratories / institutions /industries in India and abroad :

Not applicable

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other– Not applicable

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs)- Regular Capacity Building Programmes are organized

1. **Regular Faculty Development Programmes**
    - Faculty development programmes are organized on every Wednesday on a regular basis at Akal College of Education.
    - Topics are selected based on the need assessment done periodically and mainly focus on improving the teaching-learning-Process

2. **Akal College of Education organizes International Conference/Workshop Annually**

    - Akal College of Education organizes International Conference/Workshop

3. **Conferences and Workshops organized by the other departments of the Eternal University**

4. **Faculty are also deputed to attend conferences and workshops organized by the other Institutions**

28. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects -100%
- Percentage of students doing projects in collaboration with other universities /industry / institute – Individual and Group Projects

29. Awards / recognitions received at the national and international level by

- Faculty – Ms Raino Bhatia got Dr. S. Radhakrishanan Memorial National

Teacher Award-2009 for best services in the field of Education

30. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

- Every year Akal College of Education organizes International Conference/Workshop which is funded by The Kalgidhar Trust.
- First International Conference on "Fostering 21st Century Pedagogical Skills" Date: October 14 – 17, 2015_

International Resource persons / delegates;

- Prof. Bruce M. Shore, Professor Emeritus of Educational Psychology, Department of Educational and Counselling Psychology, Faculty of Education, McGill University, Montreal, Quebec, Canada
- Dr. Juss Kaur Magon, Adjunct Professor, Faculty of Education, McGill University, Montreal, Quebec, Canada

(Clintale-190 students, teachers and Headmistress participated in the conference).

SECOND INTERNATIONAL WORKSHOP ON **"Fostering 21st Century Pedagogical Skills –International Master Teacher Training"** Date: 04th Oct., 2016 to 8th Oct., 2016

International Resource persons / delegates;

- Prof. Bruce M. Shore, Professor Emeritus of Educational Psychology, Department of Educational and Counselling Psychology, Faculty of Education, McGill University, Montreal, Quebec, Canada
- Dr. Juss Kaur Magon, Adjunct Professor, Faculty of Education, McGill University, Montreal, Quebec, Canada

(Clint ale-Workshops on pedagogy skills for 35 Headmistress, Principals and teachers across 130 branches of Akal Academies in the Northern India.)

31. Code of ethics for research followed by the departments

Integrity and Honesty , Competence in the conduct of research ,Accuracy of research data and reports, Acknowledgment of sources of data/information or other contribution to the research, Openness and responsibility in the conduct and presentation of research, Credit of others' contribution, resources, and materials utilized in research ,Recognition of intellectual property rights (i.e., copyright, patents)

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Ed.					
2013 batch	13	-	6	-	100
2014 batch	31	-	30	-	100
2015 batch	16	-	13	-	Ongoing
2016 batch	15	-	14	-	Ongoing

33. Diversity of Students:

Name of the Programme (refer to question no. 4)	**% of students from the same university**	**% of students from other universities within the State**	**% of students from universities outside the State**	**% of students from other countries**
B.Ed.				
2013 batch	50	Nil	50	Nil
2014 batch	70	6.67	23.33	Nil
2015 batch	32	26	42	Nil
2015 batch	53.85	0.77	38.46	Nil
2016 batch	00	7.14	92.86	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

03 students qualified TET (Teacher Eligibility Exam)

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil

Employed □ Campus selection □ Other than campus recruitment	100% placement
Entrepreneurs	

36. **Diversity of staff**

Percentage of faculty who are	
Graduates of the same University	Nil
From Universities within the state	11.11
From Universities outside the state	88.89
From Universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period :

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library

- Number of Books: 3810 books
- Number of Reference books-579
- Number of Text Books -3231
- Number of Journals-13
- Number of Magazines-02
- Number of Subject Dictionaries-33
- Number of Encyclopaedias-10
- Number of Educational CDs-06
- Photocopy Machine-01

b) Internet facilities for staff and students

Internet LAN facility for all the Faculty and in Office

c) **Total number of class rooms:** 2

d) **Class rooms with ICT facility :** 1

e) **Students' laboratories :** 7

1. ICT Laboratory
2. Psychology lab
3. Science lab
4. Social Science lab
5. Mathematics Lab
6. Art and Craft lab
7. Language Lab

f) Research laboratories **: Nil**

39. List of doctoral, post-doctoral students and Research Associates

- From the host institution/university : Nil
- From other institutions/universities **:** Nil

40. Number of under graduate students getting financial assistance from the university. :
University offers wide range of merit scholarships

Marks obtained in the last Qualifying Exam	Tuition Fee Wavier during First Year
70% to 79%	10% of Tuition Fee
80% to 89%	20% of Tuition Fee
90% to 99%	30% of Tuition Fee

Merit scholarship for rest of the course duration will be given to top 20% students.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes

- **Need Assessment for Faculty Development Programme**: Need assessment survey was done among the faculty to identify the topics for FDP and the sessions were selected as per the needs identified by the faculty
- **Programme for Developing Communication Skills of B.Ed First Year and Second Year students:** Communication skills are important in teaching profession. It was observed from 'level test' of English of all B.Ed.students that English of some of the students were not up to the mark .So special classes had been arranged for the development of listening ,speaking, reading and writing skills of students.

- **Programme for Teaching Skill Development of B.Ed First Year and Second Year students:** Teaching Skill Development of B.Ed First Year and Second Year students is developed by giving them exposure of four schools on campus i.e. IB Authorised School, Cambridge Authorised School, CBSE affiliated School and Model School. Apart from it the students are also sent in any one of the school across the chain of 129 Akal Academies located in Northern India. The programme includes –Observation of Senior Teachers, Co-Planning, Co-Teaching and Independent Teaching.

- **Need assessment for selection of conference theme:** Need assessment surveys are conducted among the participants of the previous conference. Focused group discussions were conducted among resource persons and national and international nursing leaders participated in the conference.

42. Does the department obtain feedback from

a.) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, this feedback is used for improving the teaching learning and evaluation methods

b.) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Feedback is obtained from students regarding each day class and corrective measures are taken for any issues that arise
Periodic feedback is obtained from students for the improvement in teaching learning process.

c.) Alumni and employers on the programmes offered and how does the department utilize the feedback?

No feedback is obtained till now. But planning to obtain it

43. List the distinguished alumni of the department (maximum 10)

S.No.	Registration No.	Names	Placement Status
1	BS13BED002	Diljot Kaur	A.A.Baru Sahib
2	BS13BED005	Hardeep Kaur	A.A. Baru Sahib
3	BS13BED006	Kuljeet kaur	A.A. Baru Sahib
4	BS13BED008	Navroop Kaur	A.A. Baru Sahib,
5	BS13BED009	Prabhjot kaur	A.A. Baru Sahib
6	BS13BED011	Rupinder Kaur	Working as Pradhan of 17 villages and Co-ordinator of Akal Institute of Rural Women Empowerment Programme

7	BS14BED002	Gagandeep Kaur I	**AA Dakra Sahib**
8	BS14BED003	Gagandeep Kaur II	**AA Rampur Sunra**
9	BS14BED004	GurpreetKaur I	**AA Rampur Sunra**
10	BS14BED005	GurpreetKaur II	**AA Dhanal Kalan**
11	BS14BED006	GurpreetKaur III	**AA Sangha**
12	BS14BED008	KarambirKaur	**AA Sangha**
13	BS14BED009	Karamjeet Kaur	**AA Mander**
14	BS14BED011	Kulbir Kaur	**AA Mander**
15	BS14BED012	KulvirKaur	**AA Behak Fattu**
16	BS14BED13	Kulvinder Kaur	**AAFatehgarh Ganduan**
17	BS14BED014	MandeepKaur	**AA Cheema Sahib**
18	BS14BED015	ManpreetKaur	**AA Cheema Sahib**
19	BS14BED016	PardeepKaur	**AA Sujanpur**
20	BS14BED018	PrabhjitKaur	**AA Deshmash Nagar**
21	BS14BED019	Priyanka Saini	**AA Dyalpur Mirza**
22	BS14BED020	RajbirKaur	**AA Muktsar**
23	BS14BED022	RavinderKaur	**AA Kajri**
24	BS14BED029	TejinderKaur	**AA Moonak**
25	BS14BED030	VirpalKaur	**AA Kajri**
26	BS14BED031	Gurpreet Kaur	**AACheema Sahib**
27	BS14BED001	Ekta	**AA Baru Sahib**
28	BS14BED017	Pooja	**AABaru Sahib**
29	BS14BED010	Navneet Kaur	**AA Kajri**
30	BS14BED026	Sukhveer Kaur	**Akal Model School**
31	BS14BED021	Rajni Devi	**AA Jandialli**
32	BS14BED025	Sukhjinder Kaur	**AA Chak Desraj**
33	BS14BED027	Sumandeep Kaur	**AA Bilga**
34	BS14BED023	Sukhdeep Kaur	**AA Reeth Kheri**
35	BS14BED007	Jaspinder Kaur	**AA Udat Saidewala**
36	BS14BED026	Sukhwinder kaur	**AA Ubhia**

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Workshop on Stress Management by Prof Usha Pathania,Retired Professor ,Dept. Of English,H.P. University.
- Extension lecture on personality by Ms Komal Anand,The Kalgidhar Trust
- Seminar on Communication Skills, Academic Leadership,Peer Education,Action Research and Life Skills.
- Educational Visit to Indian Institute of Advanced Studies(IIAS),Shimla,H.P.
- Educational Exchange programme with Education colleges of Chandigarh.

- Session on learning Styles by Dr Advani, Director,HR The Kalgidhar Trust
- Workshop on Special Education By Ms Payal,Education Consultant
- Workhop on Intellectual Property Rights organised by the IPR cell, Eternal Univeeersity and SCST, Shimla.
- Studets also get opportunity to attend the International Conference/Workshop organised by Akal College of Education every year

45. List the teaching methods adopted by the faculty for different programmes.

B.Ed.

- Lecture cum discussion
- Activity Method
- Inquiry Method
- Seminars
- Case Studies
- Field visits
- Demonstrations
- Presentations
- Project Methods
- Problem Solving Methods
- Inductive Method
- Deductive Methods
- Discussion Method

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Knowledge

- theory examinations

Practical skill

- Assessment of Practical teaching of students in School classrooms by external &internal Examiners
- Practical examinations
- Assessment of Micro teaching of students during classroom teaching

47. Highlight the participation of students and faculty in extension activities.

a) The students of Akal College of Education is teaching in chain of 129 Akal Academies across Northern India.

b) Teaching Special Children of Akal Institute of Rural Women Empowerment

c) Celebration of National and International Days with other Departments

d) Rally on Swacchh Bharat by students

e) Poster Making Competition on 'Save Energy'

f) International Mother Language Day on 21st February

g) International Women Day on 8th March

48. Give details of "beyond syllabus scholarly activities" of the department.

- Weekly journal clubs in which research papers published in leading journals are presented. It facilitated awareness not only regarding the recent evidences but also regarding the methodologies used.

- Participation in the International Conference organized every year

- Student club activities on Saturdays: Literary Club, Eco-Friendlily club, Creativity Club, Sports Club, Cultural Club

- **Participation in Co-Curricular Activities, National Days, International Days organized by Eternal University**

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Bachelor of Education is recognized by National Council for Teacher Education (NCTE)

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied-

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

1. Placement Opportunities in Chain of Akal Academies located in Punjab, Haryana, Himachal Pradesh, Rajasthan, Uttar Pradesh
2. Scholarships for ST/SC/OBC/Rural Areas/Border Areas
3. Making Teachers of Substance
4. Govt. Approved Fee Structure
5. World Class Infra Structure
6. Four Schools on Campus to provide adequate opportunity for development of teaching –learning Skills- IB authorized School, CBSE affiliated Co-Ed fully residential School, Cambridge authorized School, Akal Model School

7. Seeking Collaboration with International Universities
8. Value based education
9. Systematic academic programme and timely examination
10. Evaluation system followed in B.Ed. is based on Bloom's Taxonomy
11. Special classes for the development of Communication Skills and Teacher Eligibility Test (TET Exam)

Weakness:

1. Less admission in B.Ed. Course due to two years of B.Ed.

Opportunity:

1. Use of newer teaching-learning evaluation methods.

Challenges:

1. All seats of B.Ed. are not filled.
2. Two year B.Ed. programme. It means one has to study for five years to become a teacher as the minimum eligibility to pursue B.Ed. is a three-year undergraduate programme
3. Getting academically bright students in B.Ed. course is a challenge because such students take admission in nearby local B.Ed. colleges.
4. College is situated in remote area and people are not much aware of it.

52. **Future plans of the department.**

1. To start B.A./B.Sc. B.Ed. Integrated programme
2. To start M.Ed.
3. To start M.A. (Education)
4. To Start B.Ed. (Special Education)
5. Initiate more programmes for Community Services
6. Seeking International Collaboration with IB and Columbia
7. Conduct research projects
8. To establish Centre of Advanced Studies in Education(CASE)

EVALUATIVE REPORT OF THE DEPARTMENT
Akal College of Economics Commerce and Management

1. **Name of the Department**: **Department of Economics**

2. **Year of establishment**: **2009**

3. **Is the Department part of a School/Faculty of the university? :**

   Department is a part of Akal College of Economics Commerce and Management

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

   UG – Bachelor of Economics (Hons.)
   PG- Master of Economics
   Ph.D- Economics

5. **Interdisciplinary programmes and departments involved:**

   i. Department of Public Health- Health Economics
   ii. Department of Agriculture- Agricultural finance and co-operation, Agricultural economics and Agricultural marketing.
   iii. Department of Humanities- Micro economics, Macro-economics, Labor Economics, Regional Economics, Industrial economics, Human values.
   iv. Department of Psychology- Micro Economics and Macro Economics.
   v. Department of Mathematics- Mathematical methods, Application of mathematics in economics, Ordinary differential equation, Vector, partial differential equation, Statistics and Dynamics.
   vi. Department of Basic Science- Environmental studies.
   vii. Department of Agriculture- Research Methodology.

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
   1. Reliance Industries Ltd
   2. Intellectual Property Right, (IPR)Cell, ICAR Delhi
   3. Indian Council for Social Sciences Research (ICSSR Delhi)
   4. Institute of Economic Growth , Delhi
   5. Council for Social Development, Delhi
   6. Centre for Research in Rural and Industrial Development Chandigarh

7. **Details of programmes discontinued, if any, with reasons:**
   N/A

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**

   As per university guidelines department is following semester system.

9. **Participation of the department in the courses offered by other departments**:

   i. Department of Public Health- Health Economics

ii. Department of Agriculture- Agricultural finance and co-operation, Agricultural economics and Agricultural marketing.
iii. Department of Humanities- Micro economics, Macroeconomics, Labor Economics, Regional Economics, Industrial economics.
iv. Department of Psychology- Micro Economics and Macro Economics.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	**Filled**	**Actual (including CAS & MPS)**
Professor	1	1	-
Associate Professors	2	2	-
Asst. Professors	4	2	-
Others	1	1	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	**Qualification**	**Designation**	**Specialization**	**No. of years of Experience**	**No. of Ph.D./M.Phil. students guided for the last 4 years**
Dr. J.L. Sharma	Ph.D.	Professor	Finance, Management and Agricultural Economics	41 years	Ph.D.-1, Master Research-3
Mrs. Sarabjit Kaur Dhaliwal	M.Sc.(Economics)	Associate Professor	Economic Development, Monetary Economics and Farm Management	33 years	
Dr. Ratnesh Chandra Sharma	Ph.D.	Associate Professor	Micro Economics	14 years	M.Phil-3
Dr. Varun Mahajan	M.Sc.(Hons.)Eco, JRF (NET), Ph.D.(IIT Roorkee)	Assistant Professor	Industrial Economics, Econometrics, Efficiency and Productivity analysis	6.5 years	
Dr. Amarlata	Ph.D.	Assistant Professor	Micro and Macro Economics	1.5 years	
Miss. Kamala	M.Sc.(Agricultural Economics)	Lecturer	Agricultural Economics	2.5 years	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

i. Professor D.K Sharma- Former Principle Advisor and Secretary Planning, H.P Government (Statistics and Econometrics)
ii. Dr. S.S. Chahal- Director, IPR Cell, PAU, Ludhiana.
iii. Mr. Ahluwalia from Delhi. (Data Collection)
iv. Professor James Peterwood (USA).

13. Percentage of classes taken by temporary faculty – programme-wise information:

N/A

14. Programme-wise Student Teacher Ratio

Programme	Students	Teachers	STR
U.G	39	05	8:1
P.G	09	04	3:1
Ph.D	02	02	1:1

15. Number of academic support staff (technical) and administrative staff:

Services of supporting staff obtained as and when required from university.

16. Research thrust areas as recognized by major funding agencies:

The department is planning to undertake the research projects on various issues.
i. Socio- Economic problems of Himachal Pradesh.
ii. Health status of people of Himachal Pradesh.
iii. Economics of various fruits and vegetables in Himachal Pradesh.
iv. Skill Development Programme in Himachal Pradesh.

Funding Agencies: ICSSR, UGC.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.:

Proposals have been submitted- Entrepreneurship Training skills, Farm Management, Food Processing, Agro Marketing, Scientific Agriculture. Promotion of self-help group for sustainable economic resources – Approval Awaited

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration **b) International collaboration**

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Proposal submitted -Approval awaited

20. Research facility / centre with

- State recognition –Private Universities Regulatory Commission H.P
- National recognition – ICSSR, National Institutional ranking frame work, All India higher education survey by MHRD
- International recognition n/a

21. Special research laboratories sponsored by / created by industry or corporate bodies:

In future we are trying to setup special cell on Micro economics and skill development.

22. Publications:

Name	Journal	Seminar/ Conferences	Monographs / Chapters in Books /Edited Books	Books with ISBN with details of publishers	Number listed in International Database	Humanities International Complete/ Citation Index	SNIP / SJR	Impact Factor/ h-index	Total
Dr. J L Sharma	46	6	_	_	_	_	_	_	52
Mrs. SK Dhaliwal	18	20	-	-	-	-	-	-	38
Dr. RC Sharma	1	6	_	_	_	_	_	_	7
Dr. Varun Mahajan	6	2	_	_	4(SCOPUS indexed)	_	-	_	8
Dr. Amar Lata	5	3	_	_	_	_	_	_	8
Miss. Kamala	3	3	-	-	-	-	-	-	6

List of Publications:

1. Aarthik Vipannata - Bhartiya Lok Tantra Ke Samaksha Chunouti in MGKVP, Varanasi, 2001.
2. Education and Socio-Economic Development in MGKVP, Varanasi, 2003.
3. Challenges before the Indian Economy in BHU, Varanasi.2004.
4. The Economist and the Economics in BHU, Varanasi, 2004
5. Indian Economy: A Developing Economy in DBSC, Kanpur, 2008
6. Impact of Special Economic Zones on Economic Development of India in GNKC, Yamunanagar, 2009.
7. A Study on the Entrepreneurial Problems & their Solutions for Small Scale Industries in Indore Division in MMUJMP on July, 2012-December, 2014, ISSN 0974-725.
8. Population Growth and Structural Changes in Himachal Pradesh.
9. Modern Technology and Agricultural Development in India.
10. Structural Changes in the Economy of Himachal Pradesh.
11. Inter Districts Disparities in Demographic Changes in H.P.

12. Varun Mahajan, D.K.Nauriyal and S.P.Singh (2014) "Technical Efficiency of Indian Drug and Pharmaceutical Industry: A Non-parametric approach", *Benchmarking: An International Journal*, Emerald Group Publishing Ltd., Vol. 21(5), pp.734-755 (Indexed in Scopus).

13. Varun Mahajan, D.K.Nauriyal and S.P.Singh (2015) "Trade performance and Revealed Comparative Advantage of Indian Pharmaceutical Industry in the New IPR Regime" *International Journal of Pharmaceutical and Healthcare Marketing*, Emerald Group Publishing Ltd., Vol.9 (1), pp.56-73 (Indexed in Scopus).

14. Shilpi Tyagi, Varun Mahajan, D.K.Nauriyal (2014) "Innovations in Indian Drug and Pharmaceutical Industry: Have They Impacted Exports?", *Journal of Intellectual Property Rights*, Vol.19, pp.243-252. (Indexed in Scopus)

15. Varun Mahajan, D.K.Nauriyal and S.P.Singh (2015) "Efficiency Trends in the Indian Pharmaceutical Industry in the New Patent Regime", *International Journal of Business Performance Management*, Inderscience Enterprises Ltd, Vol.16 (4), pp.389-406. (Indexed in Scopus)

16. Varun Mahajan, D.K.Nauriyal and S.P.Singh (2014) "Efficiency and Ranking of Indian Pharmaceutical Industry: Does Type of Ownership Matter?", *Eurasian Journal of Business and Economics*, Vol.7 (14), pp.29-50.

17. Varun Mahajan, D.K.Nauriyal and S.P.Singh (2017) "Efficiency and its Determinants: Panel Data Evidence from the Indian Pharmaceutical Industry", *Margin: Journal of Applied Economic Research*, Sage Publication (Accepted).

18. Mahajan, V., Nauriyal, D.K., and Singh, S.P., (2014) "R&D and performance analysis of Indian pharmaceutical industry", International Conference on 'Soft Computing for Problem Solving (Conference Proceeding *Springer*) (ISBN 978-81-322-1767-1).

19. Mahajan, V., Nauriyal, D.K., and Singh, S.P., (2014) "Total Factor Productivity Growth of Indian Drug and Pharmaceutical Industry", Conference Proceedings of 12th International Conference on Data Envelopment Analysis (DEA 2014), Kuala Lumpur (Malaysia) (ISBN: 978 1 85449 487 0).

20. Financial and Managerial Efficiency of Punjab Mandi Board in Marketing of Fruits and Vegetables

21. Organizational Effectiveness of Punjab Mandi Board and Market Committees in Handling of Fruits and Vegetables

22. Sustainability of Agriculture System: Punjab Scenario

23. Details of patents and income generated:
NA

24. Areas of consultancy and income generated:

Department is planning to setup consultancy for Agro skill development in future. Department is training students to give awareness to local people for banking and electronic transaction of money.

25. Faculty selected nationally / internationally to visit other laboratories / institutions

a. Industries in India and abroad:
Nil

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Faculty Name	Membership in National committees	Reviewer
Dr. J.L. Sharma	1. Indian Society of Agricultural Economics, Mumbai 2. Indian Society of Agricultural Development and Policy, Ludhiana	Nil
Dr. Varun Mahajan	Indian Economic Association	1. Benchmarking: An International Journal (Emerald) 2. International Journal of Production Research (T&F)
Miss Kamala	Indian Society of Economics and Development	Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Workshops	Training
One day Workshop on Intellectual Property Rights held on 14 March, 2017	Three days training on SPSS

28. Student projects

S. No.	Name	Research Title
1.	Parminder Kaur	A study on determinants of demand for health care in Himachal Pradesh
2.	Hanspreet Kaur	A study on health insurance in the rural areas of Himachal Pradesh
3.	Hapinder Kaur	Production potential of Maize crop in Sirmour District
4.	Manpreet Kaur	Economic analysis of vegetable crops in Sirmour District

29. Awards/recognitions received at the National and International level by Faculty:

- Dr. Ratnesh Chandra Sharma Gold Medal in BA
- Dr. Varun Mahajan JRF

30. Seminars/ Conferences/Workshops organized and the source of funding (national /International) with details of outstanding participants, if any:

Department is planning to organize Research Workshop on Time series and panel Data Analysis in Econometrics

31. Code of ethics for research followed by the departments:

- Honestly report data, results, methods and procedures, and publication status. Do not fabricate, falsify, or misrepresent data.
- Strive to avoid bias in experimental design, data analysis, data interpretation, peer review, personnel decisions, grant writing, expert testimony, and other aspects of research where objectivity is expected or required.
- Avoid careless errors and negligence; carefully and critically examine your own work and the work of our peers.
- Honor patents, copyrights, and other forms of intellectual property. Do not use unpublished data, methods, or results without permission.
- Protect confidential communications, such as papers or grants submitted for publication, personnel records, trade or military secrets, and patient records.
- Help to educate, mentor, and advise students. Promote their welfare and allow them to make their own decisions.
- Avoid discrimination against colleagues or students on the basis of sex, race, ethnicity, or other factors not related to scientific competence and integrity.
- Know and obey relevant laws and institutional and governmental policies.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	**Applications Received (2016)**	**Selected**		**Pass percentage**	
		Male	**Female**	**Male**	**Female**
B.Sc(Economics) 2010-13	13	0	13	NA	90
B.Sc(Economics) 2011-14	24	0	20	NA	100
B.Sc(Economics) 2012-15	18	0	16	NA	94
B.Sc(Economics) 2013-16	25	0	22	NA	77
B.Sc(Economics) 2014-17	23	0	18	NA	NA
B.Sc(Economics) 2015-18	14	0	13	NA	NA
B.Sc(Economics) 2016-19	22	0	18	NA	NA
M.A.(Economics) 2013-15	5	0	3	NA	67
M.A.(Economics) 2014-16	4	0	3	NA	100
M.A.(Economics) 2015-17	3	0	3	NA	NA
M.A.(Economics) 2016-18	5		2	NA	NA
M.Sc.(Economics) 2016-17	6	3	3	NA	NA
Ph.D. 2015	1	0	1	NA	NA
Ph.D. 2016	1	1	0	NA	NA

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of Students From Other countries
M.A.(Economics) 2015-16	67	0	33	0
M.Sc.(Economics) 2016-17	50	17	33	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Nil

35. Student progression

UG to PG	3
PG to M.Phil.	N/A
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	N/A
Employed • Camus Selection • Other than campus Recruitment	5
Entrepreneurs	-

36. Diversity of Staff

Percentage of faculty who are graduates	
Of the same university	Nil
from other universities within the State	1
from universities from other States from	5
universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Nil

38. Present details of departmental infrastructural facilities with regard to

a. Library: **Central Library caters to the needs of the Department**

b. Internet facilities for staff and students: **Yes**

c. Total number of class rooms: **5**
d. Class rooms with ICT facility: **Yes**

e. Students' laboratories: **Yes (Computer Lab Has required software to meet the Social Sciences Research)- Data Analysis and application of SPSS**

f. Research laboratories: **Yes**

39. List of doctoral, post-doctoral students and Research Associates

a. from the host institution/university: **Nil**

b. from other institutions/universities: **2**

40. Number of post graduate students getting financial assistance from the university. :
This year no PG student has applied for any Grant.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes , Periodical feedback , programme analysis and need assessment is done prior to the development of the new programme. For the development of new programme, we discuss this thing in the board of studies and after the recommendation of board of studies, Academic Council approves it then the programme is launched.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
Yes. The Department obtains feedback from faculty on curriculum as well as teaching- Learning evaluation. Department utilizes feedback for curriculum modification and improvement. Also, the department obtains feedback on teaching –learning-evaluation, and utilizes it for improving the teaching – learning-evaluation process.
b. Students or staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Yes. The department obtain feedback from the students with the help of the structured questionnaire .The Department obtains feedback from students on staff, curriculum, as well as teaching-learning evaluation. Department utilizes feedback for further analysis of faculty performance and the feedback report is also handed over to the faculty members. Also, the department utilizes the feedback on curriculum when the syllabi are revised. The department positively responds to the feedback and rectifies the areas where modifications are required. After verifying the students‟ feedback, appropriate teaching techniques are adopted. Student representatives from each section make contributions by giving feedback on the student experiences and perspectives. Based on this feedback, the department takes necessary steps to satisfy them.
c. alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes. The department recognizes the distinguished alumni by associating them in the Board of studies while framing and updating the syllabi. The department also recognizes the distinguished alumni by inviting them to give special lectures and seminars to the students. The department requests the employers to offer financial assistance for conducting certificate programmes, seminars, conferences, workshops, and special lectures for the UG, PG students.

43. List the distinguished alumni of the department (Maximum 10)

Sr. No.	Name
1	Manmeet Kaur Khalsa
2	Simarleen Kaur
3	Paramjeet Kaur
4	Mehakpreet Kaur
5	Prabhsimran Kaur
6	Kiranjeet Kaur
7	Navjot Kaur
8	Amanpreet Kaur
9	Mandeep Kaur
10	Gurpreet Kaur

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Students participated in intellectual property rights workshop organized at the university.
- A soft skills and career advancement seminar was conducted by Vice President of Reliance industry.

45. List the teaching methods adopted by the faculty for different programmes.

- Chalk and talk method
- Interactive teaching, Power Point presentation using LCD projector, Interactive smart boards
- Group Discussion
- Project Method
- Live National stock Market data

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Continuous Internal Assessment Tests
Periodical Seminars, Projects and Assignments
Periodical Parents-Teachers Meet
CBCS

47. Highlight the participation of students and faculty in extension activities.

Yes, All participate in extension activities e.g Awareness programme on formation of self-help group for economic growth, information to the rural population about various micro level income generating programmes of the small and micro industries. Orientation of rural youth about marketing skills

48. Give details of "beyond syllabus scholarly activities" of the department.

YES, Personality Development Classes, Research oriented and Competitive based education

Students are encouraged to participate in economics aspects through seminar, presentations, and industrial training.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Private Universities Regulatory Commission H.P

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Yes, Value based and Ethical Classes with placement oriented practical education Awareness prog on formation of self-help group for economic growth, information to the rural population about various micro level income generating programmes of the small and micro industries. Orientation of rural youth about marketing skills

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Competent Faculty
- Innovative curriculum
- Value Based Education
- Safest for Girls Students
- Placement oriented practical Education
- Wider interaction with the Rural folk

Weakness

- Remote and hilly Location
- Transport Facilities need improvement
- Less Students- poor enrollment
- Poor Network Connectivity

Opportunity

- Its only a girls university
- Facilities of academic and administration
- Infrastructure is good

Challenge

- Enrollment
- Remote and hilly Location
- To achieve maximum enrollment.
- Focus on Campus Placement opportunities.
- To provide Latest and newest Information from the field.

52. Future plans of the department.

The department will try to be one of the most sought after department of the university with innovative environment, academic freedom and centre of excellence. To pioneer in the competitive based learning. Further, to attain successful and morality of values through standardization of educational reforms.

Akal College of Economics, Commerce and Management
Evaluative Report of the Department

1. **Name of the Department– Department of Commerce**

2. **Year of establishment- 2013**

3. **Is the Department part of a School/Faculty of the university? Yes**

4. **Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)**

   UG – Bachelor of Commerce (Hons.)
   PG – Master of Commerce

5. **Interdisciplinary programs and departments involved.**

Name of Programs	**Departments Involved**
Financial Management	Department of Management
Business Statistics	Department of Mathematics
Environmental Study	Department of Basic Science
Entrepreneurship Development Programme	Department of Agriculture
Management Information System	Department of Computer Science

6. **Courses in collaboration with other universities, industries, foreign institutions, etc. No**

7. **Details of programs discontinued, if any, with reasons- No**

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**

   As per university guidelines, department is following semester system.

9. **Participation of the department in the courses offered by other departments:**

Departments	**Courses**
Department of Management	Financial Management
Department of Agriculture	Department of Agriculture

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others.**

Faculty	**Sanctioned**	**Filled**	**Actual (including CAS & MPS)**
Professor	01	-	--
Associate Professors	02	01	--
Assistant Professors	04	03	--
Others	--	-	--

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. Students guided for the last 4 Years
Dr. Rama Murthy Ravi	Ph.D. (Commerce), M.Com	Associate Professor	Marketing	24	Ph. D. – 04 M. Phil.- 54
Dr. Anjana Attri	Ph. D. (Commerce), M.COM.,M.B.A.	Assistant Professor	Finance	11.4 years	--
Dr. Kajal Chaudhary	Ph.D. (Commerce), M.Com., M.B.A.,PGDFM	Assistant Professor	Major Finance Minor Marketing	13 Years	M. Phil-01
Dr. Jai Kumar Sharma	Ph. D. (Commerce), M-Com,Phil, MBA, DSV & PGDCA	Assistant Professor	Finance, Marketing, HR	15 Years	M.Phil -01

12. List of senior visiting fellows, adjunct faculty, and emeritus professors

Name of Visiting Faculty	Topics
Prof. D.K Sharma, Principal Advisor and Secretary Planning. H.P Govt.	Statistics and Econometrics
Prof. James Peter Wood (U.S.A).	Financial Management
Dr. S S Chahal-Director, IPR Cell, Ludhiana	Intellectual Property Rights
Mr. Ahluwalia from Delhi	Data Collection

13. Percentage of classes taken by temporary faculty – programme-wise information - No temporary Faculty

14. Programme- wise Student Teacher Ratio

Programme	Students	Teachers	STR
B.Com. (Hons.)	57	04	14:1
M.Com.	02	04	1:2

15. **Number of academic support staff (technical) and administrative staff**
Services of supporting staff obtained as and when required from university.

16. Research thrust areas as recognized by major funding agencies.

Identified research thrust area :

Research Thrust Area	Major Funding Agencies
Development of Industries in HP	UGC/AICTE
Skill development program in HP	UGC/AICTE
Accounting, Banking and Finance	Bank of India
Human Resource Management	UGC/AICTE

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise :

Proposals have been submitted- Entrepreneurship Training skills, Farm Management, Food Processing, Agro Marketing, Scientific Agriculture.

Promotion of self-help group for sustainable economic resources – Approval Awaited

18. Inter-institutional collaborative projects and associated grants received –

a) National collaboration **b) International collaboration**

a- **Proposals have been submitted- Entrepreneurship Training skills, Farm Management, Food Processing, Agro Marketing, Scientific Agriculture.**

Promotion of self-help group for sustainable economic resources – Approval Awaited

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received -

Proposal submitted -Approval awaited

20. Research facility / centre with

- State recognition- Private Universities Regulatory Commission H.P
- National recognition - ICSSR
- International recognition - Department is planning to do it in coming years

21. Special research laboratories sponsored by / created by industry or corporate bodies.

In future we are planning to set up special cell on Micro Industries and Trade.

22. **Publications**

S. No.	Faculty	Publication National/International	Seminar/Conference
1.	**Dr. Ramamurthy Ravi**	-	-
2	**Dr. Anjana Attri**	04	03

3.	**Dr. Jai Kumar Sharma**	08	24
4.	**Dr. Kajal Choudhary**	08	08

Details on research publications

(i) Kajal Chaudhary and Monika Sharma, "Performance of Indian Public Sector Banks and Private Sector Banks: A Comparative study", International Journal of Innovation, Management and Technology, Vol. 2, Issue: 3, June 2011, PP. 249-256. ISSN-2010-0248.

(ii) Komal Kaur, Kajal Chaudhary, Nabin Subedi, Shraddha Parajuli, "A Study on Awareness, Utilization and Barriers towards E-Banking in East Delhi, India", International Journal of Innovative studies Sociology and Humanities, Vol. 1, Issue:1, September. 2016, PP. 35-43. ISSN No. 2456-4931.

(iii) Nabin subedi, Pawan Kumar Dubey, Kajal chaudhary, komal Kaur, Joseph Shrestha, "A Study on Poverty Reduction with Special Reference to Micro financing Institution in Chitre Village Development Committee (VDC), Nepal", International Journal of Innovative studies Sociology and Humanities, Vol. 1, Issue: 2, November 2016, PP. 1-8. ISSN No. 2456-4931.

(iv) Milandeep Kour, Kajal Chaudhary (Corresponding Author), Surjan Singh, Baljinder Kaur, "A STUDY ON IMPACT OF GST AFTER ITS IMPLEMENTATION", International Journal of Innovative studies Sociology and Humanities, Vol. 1, Issue: 2, November 2016, PP. 17-24. ISSN No. 2456-4931.

(v) Kajal Chaudhary, Surjan Singh, Pawan Dubey, Nabin Subedi, "A Comparative Study of Indian Gold Schemes with Special Reference to GDS and GMS in Indian Context", International Journal of Innovation Technology and Management, (accepted), ISSN No. 2394-594X.

(vi) Supreet Kaur Jaggi , Kajal Chaudhary (Corresponding Author) , Surjan Singh , Milandeep Kour, "Swachh Bharat: Clean India: Green India", International Journal of Innovative studies Sociology and Humanities, Vol. 1, Issue: 2, November 2016, PP. 17-24. ISSN No. 2456-4931.

(vii) Kajal Chaudhary, Surjan Singh, Nabin Subedi, Komalpreet Kaur, Milandeep Kour, "Demonetization: Experiment Mean of Financial Inclusion" , International Journal of Innovative studies Sociology and Humanities, Vol. 2, Issue: 2, Nov. February 2017, PP. 17-24. ISSN No. 2456-4931.

(viii) Komalpreet Kaur, Kajal Chaudhary (Corresponding Author), Surjan Singh, Tarun Mahato, "CONTRIBUTION OF BANKS IN "MAKE IN INDIA" CAMPAIGN", International Journal of Innovative studies Sociology and Humanities, Vol. 2, Issue: 2, Nov. February 2017, PP. 17-24. ISSN No. 2456-4931

(ix) Anjana Atri, "Effectiveness and implementation of government scheme for tribal development" .National Journal of commerce. ISBN 978-93-5104

(x) Anjana Atri "Effects of economic liberalization on small and medium enterprises in Himachal Pradesh" Kanishka Publication. ISBN 978-81-8457-382-4

(xi) Anjana Atri, "Online education system-Challenges and opportunities" International

journal of Management and Technology. ISSN:2278-9359

(xii) Anjana Atri, "Corporate governance and corporation during global regime" International Journal of Emerging research research in Management and Technology.ISSN:2278-9359

(xiii) Jai Kumar, *"National Skill Development Initiative in India: Vision and Governance"* Published a research paper in International Conference Feb.2016 held at NITTTR, Chandigarh.

(xiv) Jai Kumar *"Role of Indian banking Sector in Coming Year"* in conference held in September 2016 held in Baddi University (HP)

(xv) Jai Kumar **"***Impact of special Industrial Packages on the Growth of HP*, International journal of Business Management & Research IJBMR impact factor (JCC) 2016 (5.462) Vol-7, Issue I Edition : Feb 2017

(xvi) Jai Kumar **"** *Role of International Financial Institutions in Globalization"* Published a research paper in international conference held at Mahraja Agrasen University, Baddi, H.P (India).

(xvii) Jai Kumar*"Role of E- Commerce in today's business"* Published a research paper in conference held in Bells. Institute of Management and technology, Mehli Shimla-09

(xviii) Jai Kumar *"A critical Study of Indian Rural Market : Challenges & Opportunities"* Published a research paper in conferenceheld at Institute of Management Studies Bhaddal Technical campus, Ropar (Pb.) India.

(xix) Jai Kumar *"Changing Marketing Dimensions of Service Marketing"*Published a research paper in conference held at Baddi University of emerging science & Technology, Solan (H.P)

(xx) Jai Kumar*"Climate Change and its Impact on Indian Agriculture"* Published a research paper abstract in national Conference Advances in Food Science and technology, Current Trends and Future perspective held at Akal College of Agriculture, Eternal University, Baru Sahib,(HP)

23. Details of patents and income generated.

Department will executed it in future with its research team.

24. Areas of consultancy and income generated free consultancy services in financial management including savings and investment.

Department is planning to setup consultancy for Agro skill development in future. Department is training students to give awareness to local people for banking and electronic transaction of money.

25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad.

Industrial visits to Minchy's and Havells for marketing and financial aspects.

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other

N/A

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Workshop and Training
One day workshop on Intellectual Property Rights held on 14thMarch 2017.
Three day training on SPSS held in November

28. Student projects – 100%

29. Awards / recognitions received at the national and international level by-

- Faculty
- Doctoral/post-doctoral Fellow
- Students **N/A**

30. Seminars/ Conferences/Workshops organized and the source of funding (national /International) with details of outstanding participants, if any. - **-**

Department is planning to organize Research Workshop on Time series and panel Data Analysis in Econometrics

31. Code of ethics for research followed by the departments.

Basic ethic principals that are followed by department are given below.

Honesty

Strive for honesty in all scientific analysis communications. Honestly report data, results, methods and procedures, and publication status. Do not fabricate, falsify, or misrepresent data.

Objectivity

Strive to avoid bias in experimental design, data analysis, data interpretation, peer review, personnel decisions, grant writing, expert testimony, and other aspects of research where objectivity is expected or required. Avoid or minimize bias or self-deception.

Carefulness

Avoid careless errors and negligence; carefully and critically examine your own work and the work of your peers. Keep good records of research activities, such as data collection, research design, and correspondence with agencies or journals.

Respect for Intellectual Property

Honor patents, copyrights, and other forms of intellectual property. Do not use unpublished data, methods, or results without permission. Give proper acknowledgement or credit for all

contributions to research. Never plagiarize.

Confidentiality

Protect confidential communications, such as papers or grants submitted for publication, personnel records, trade or military secrets, and patient records.

Responsible Publication

Publish in order to advance research and scholarship, not to advance just your own career. Avoid wasteful and duplicative publication.

Responsible Mentoring

Help to educate, mentor, and advise students. Promote their welfare and allow them to make their own decisions.

Social Responsibility

Strive to promote social good and prevent or mitigate social harms through research, public education, and advocacy.

Non-Discrimination

Avoid discrimination against colleagues or students on the basis of sex, race, ethnicity, or other factors not related to scientific competence and integrity.

Competence

Maintain and improve your own professional competence and expertise through lifelong education and learning; take steps to promote competence in science as a whole.

Legality

Know and obey relevant institutional laws and governmental policies.

Human Subjects Protection

When conducting research on human subjects minimize harms and risks and maximize benefits; respect human dignity, privacy, and autonomy; take special precautions with vulnerable populations; and strive to distribute the benefits and burdens of research fairly.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	**Applications received**	**Selected**		**Pass percentage**	
		Male	Female	Male	Female
B.Com. (Hons.) 2014-2015	20		17		N/A
2015-2016	29		24		N/A
2016-2017	35		26		N/A
M.Com 2015-2016	02		02		N/A

33. Diversity of students

Name of the Programme (refer to question no. 4)	**% of students from the Same university**	**% of students from other Universities within the State**	**% of students From Universities outside the State**	**% of students from other countries**
B.Com. (Hons.)	N/A	N/A	N/A	N/A
M.Com.	-	50%	50%	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

N/A

35. **Student progression**

Student progression	**Percentage against enrolled**
UG to PG	Nil
PG to M.Phil	Nil
PG to Ph.D	Nil
Ph.D to Post-Doctoral	Nil
Employed Campus selection Other than campus recruitment Entrepreneurs	Nil

36. Diversity of Staff

Percentage of faculty who are graduates	
Of the same university	-
From other universities within the State	50%
From universities from other States from	50%
Universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period - N/A

38. Present details of departmental infrastructural facilities with regard to

a. Library

There are sufficient no. of books according to requirements in the library.

b. Internet facilities for staff and students- **Yes**

c. Total number of class rooms : 3+1

d. Class rooms with ICT facility : 1

e. Students' laboratories

Department has well equipped communication lab to improve the communication skill of the students.

f. Research laboratories – **01**

38. List of doctoral, post-doctoral students and Research Associates - Nil

a. from the host institution/university- **Nil**

b. from other institutions/universities- **Nil**

39. Number of post graduate students getting financial assistance from the university.

The University with the help of department planning to do it in future course of time.

40. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The need for the programmes is placed before the Academic Council and after approval by the academic council the permission is sought from Himachal Pradesh regulatory authority to launch the programme.

41. Does the department obtain feedback from?

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Faculty provides feedback on curriculum as well as teaching learning evaluation to HOD and Dean and department makes necessary amendments accordingly.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The Department obtains feedback from students on staff, curriculum, as well as teaching-learning evaluation. Department utilizes feedback for further analysis of faculty performance and the feedback report is also handed over to the faculty members. Also, the department utilizes the feedback on curriculum when the syllabi are revised. The department positively responds to the feedback and rectifies the areas where modifications are required. After verifying the students‟ feedback, appropriate teaching techniques are adopted. Student representatives from each section make contributions by giving feedback on the student experiences and perspectives. Based

on this feedback, the department takes necessary steps to satisfy them.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

N/A

42. List the distinguished alumni of the department (maximum 10)

The first batch of the department will pass out in July, 2017

43. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Department organizes semester seminars and time to time organized guest lectures also.

Semester Seminars

Date	Topic	Name of Students
26-4-2016	Nuro Marketing	Simarpreet Kaur
26-4-2016	Indian Financial System	Mandeep Kaur
27-4-2016	Water Management	Upneet Kaur
27-4-2016	Business Economics-Role and Responsibility	Amandeep Kaur
28-4-2016	Online Trading	Amanjot Kaur
29-4-2016	Rural Marketing	Kahlon Amritpal
30-4-2016	Green Marketing	Neha
4-5-2016	Stress Management	Rashneel Dhillon
4-5-2016	Conservation of Natural Resources	Reetu
5-5-2016	Overpopulation: Strength and weaknesses	Simaranjeet Kaur
6-5-2016	Financial aspects in health care insurance	Sonali Thakur
26-4-2016	Nuro Marketing	Simarpreet Kaur
5-5-2016	Black Money	Simaran Thakur
6-5-2016	International Monetry Fund	Baljinder Kaur
6-5-2016	World trade Organization	Milandeep Kaur

Guest Lecture

Guest Speaker	Topics
Prof. D.K Sharma, Principal Advisor and Secretary Planning. H.P Govt.	Statistics and Econometrics
Prof. James Peter Wood (U.S.A).	Financial Management
Dr. S S Chahal-Director, IPR Cell, Ludhiana	Intellectual Property Rights
Mr. Ahluwalia from Delhi	Data Collection

44. List the teaching methods adopted by the faculty for different programs.

- Chalk and talk method
- Innovative teaching practice i.e. Power Point presentation using LCD projector.
- Group Discussion

45. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Continuous Internal Assessment Tests
- Periodical Seminars and Assignments

46. Highlight the participation of students and faculty in extension activities.

Extension lectures by Faculty: Mrs. Geetanjali Mehta delivered the extension lectures on the topic of Accounts & Book Keeping and Assessment of Working Capital at the village panchayats Lana Bhalta organized by PHD Chamber of Commerce and Industry (Shimla).

47. Give details of "beyond syllabus scholarly activities" of the department.

- Organizing seminars, conferences and workshops
- Organizing invited talks and guest lectures
- Placement Training Programme
- Soft Skill and Personality Development Programs
- Industrial Visits

48. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

-

YES, Personality Development Classes, Research oriented and Competitive based education

Awareness prog on formation of self-help group for economic growth, information to the rural population about various micro level income generating programmes of the small and micro industries. Orientation of rural youth about marketing skills

49. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Private Universities Regulatory Commission H.P

50. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Competent Faculty.
- Innovative curriculum.
- Value Based Education.
- Safest for Girls Students.
- Placement oriented practical Education.

Weakness

- Remote Location.
- Transport Facilities needs to be improved
- Rural population with poor socio –economic background.
- Very low density of population.
- Overall very low level of education.

Opportunity

- Ph.D. in Commerce.
- Research on agro product.
- Researches on MSMEs.
- To increase the strength in future.
- To tie up with more different campus placements.

Challenges

- Inclination of students towards Commerce
- More approachable & favorable location of competitive universities
- Encouraging for more placement opportunities
- To achieve maximum enrollment.
- To provide Latest and newest Information from the field.

51. Future plans of the department.

- Efforts will be made to expose the students in various field based/commercial/Industrial activities.
- The research work in the college will be strengthened.
- Teaching will be improved with intensive use of audio visual techniques.
- Students will be encouraged to participate in sports and extracurricular activities
- The college will arrange more expert lecture by the eminent academicians from time to time
- More interaction sessions will be arranged in the near future to expose student's potential.

EVALUATIVE REPORT OF THE DEPARTMENT

1. **Name of the Department** – Department of Management

2. **Year of establishment** - 2011

3. **Is the Department part of a School/Faculty of the university?** - Yes

4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)** – Master of Business Administration.

5. **Interdisciplinary programmes and departments involved** – Yes
   1. Department of Basic sciences -Operation Research, Research Methodology
   2. Department of Engineering - Computer application, Management Information system
   3. Department of Humanities -Business communication skill, Human Value and Professional Ethics.

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** – University is planning to inculcate to the curriculum the course content from industrial as well as foreign institutions.

7. **Details of programmes discontinued, if any, with reasons.-** No

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System –**

   As per University guideline department is fallowing semester system.

9. **Participation of the department in the courses offered by other departments-**

   1. Department of Commerce-Financial management, Investment analysis and portfolio management, labor Law, Financial accounting, financial institution and market
   2. Department of Engineering- Management principal and organizational behavior.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

11. **Faculty profile with name, qualification, designation, area of specialization,**

	Sanctioned	**Filled**	**Actual (including CAS & MPS)**
Professor	01	-	
Associate Professors	01	-	
Asst. Professors	04	02	
Others-Lecturers	01	01	

21. experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. Students guided for the last 4 Years
Dr. Satish Chandra Tiwari	PhD,M.COM, MBA ,(NET)	Assistant Professor	Finance and Accounts	8.5	-
Mr. Amit Kumar	M.B.A ,(NET)	Assistant Professor	Finance, HR	6.6 years	-
Mr. Pawan Dubey	M.B.A.	Assistant Professor	Finance	9 Years	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors –

Year	Details
2011 – till date	Prof. D.K. Sharma-Former principle advisor and secretary planning and statistics (Government of Himachal Pradesh)
2013	Mr. Ahluwalia From Delhi (Data Collection)
2014	Prof. James Peterwood (USA)
2016	Dr. S.S. Chahal, Director of IPR cell, PAU Ludhiana.

13. **Percentage of classes taken by temporary faculty – programme-wise information** – N.A.

14. Programme-wise Student Teacher Ratio –

Program	Students	Teacher	STR
MBA	22	03	8:1

This ratio varies depending on the actual admissions done in a particular academic year.

15. Number of academic support staff (technical) and administrative staff: sanctioned,
filled and actual.

Services of required supporting staff are obtained from university as and when needed.

16. Research thrust areas as recognized by major funding agencies –
Identified research thrust area-

Research Thrust Area	Major Funding Agencies
Development of Industries in HP	UGC/AICTE
Managerial Skill development program in HP	UGC/AICTE
Financial problems faced by MSMEs in HP	UGC/AICTE

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

The department will put its best of the efforts to get grants from various agencies.

18. Inter-institutional collaborative projects and associated grants received -

a) National collaboration b) International collaboration

The department will put its best of the efforts to get grants from various agencies.

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.** – As of date the department has not any grants but the research team of department will put it efforts in getting the same.

20. Research facility / centre with -

- State recognition -Private Universities Regulatory Commission H.P
- National recognition- ICSSR, National Institutional ranking frame work, All India higher education survey by MHRD
- International- N/A

21. Special research laboratories sponsored by / created by industry or corporate bodies –

Industry and Academia Collaboration Cell is planned to set very soon.

22. **Publications: -**

- ✶ Number of papers published in peer reviewed journals (national / international)
- ✶ Monographs
- ✶ Chapters in Books ∗ Edited Books
- ✶ Books with ISBN with details of publishers
- ✶ Number listed in International Database (For *e.g*. Web of Science, Scopus,
- ✶ Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- ✶ Citation Index – range / average
- ✶ SNIP
- ✶ SJR

- ✶ Impact Factor – range / average
- ✶ h-index

Name	Journal	Seminar/ Conference	Monographs / Chapters in Books Edited Books	Books with ISBN with details of publishers	Number listed in International Database	Humanities International Complete/ Citation Index	SNIP / SJR	Impact Factor/ h-index	Total
Dr S.C Tiwari	14	25	2	-	-	-	-	-	41
Mr. Pawan Dubey	2	2	-	-	-	-	-	-	4
Mr. Amit Kumar	-	2	-	-	-	-	-	-	2

List of Publications

1) Rajendra Sharma, SK Kesarwani, SC Tiwari (2012), "Impact of Global Economic Meltdown on Indian Industries- Challenges and Strategies", Strategic Way Out,Vol.1 ISBN-978-93-81361-95-5

2) BK Mohanty and SC Tiwari (2012),"Financial Assistance from SIDBI to MSME; Challenges and Opportunities", Com. & Business Std.,Vol.5, ISSN-0974-1879

3) SC Tiwari,Sweta Rai(2012),"Mall assurance in India: Scope and Opportunities, International Journal of Financial Footprint, Vol.1, ISSN-2319-6262

4) Rajendra Sharma, SK Kesarwani, SC Tiwari (2012),"Lacking of Ethics and Opportunities", GBAMS,Vol.4, ISSN-0974-6374,

5) Akhilesh Verma,SC Tiwari(2013),"Performance of organizational Culture on Organizations", Atmbodh,Vol.10, ISSN-0972-1398

6) BK Mohanty,SC Tiwari(2013)"Micro, Small and Medium Enterprises in Varanasi: A special reference to Banarasi Saree Udyog" paper published in Indian Journal of Development Research,vol.5,ISSN-2249-104X

7) "An Empirical Study on Consumer Awareness Programmes in Varanasi" (Paper accepted for publication by law Faculty, B.H.U,Varanasi)

8) SC Tiwari (2013),"Financial Appraisal of Regional Rural Bank's (RRB'S) For Rural Financing in India" published in International Journal of Commerce & Social Sciences (ISSN: 2231-5888)

9) SC Tiwari(2014)"An Overview of Auditing and Its Significance", Interdisciplinary Journal of Contemporary Research",Volume-1,No.4,2014,ISSN-2293-8358

10) SC Tiwari (2014),"Financial Performance of Agriculture and Industrial Sector in Uttar Pradesh", Commerce Spectrum,Volume-IV,ISSN-2249-992

11) Subasis Mohanty,SC Tiwari (2014),"Global Warming and Future Sustainability", Global Management, Volume-III,(ISBN-978-93-63842-37

12) SC Tiwari (2015),"Role of SIDBI in Development of MSMEs in Uttar Pradesh",Vision for Varanasi,Volume-I,ISBN-978-93-85000-04-1

13) SC Tiwari(2016)"Financing of Banks and Small Scale Industries in India", Atmbodh, Volume-XIII, ISSN-0972-1398

14) SC Tiwari(2016),"Micro Finance-Recent Trends and Growth in India" Anukriti,Volume-1,No.-6, ISSN-2250-1193

15) SC Tiwari(2016),"An Empirical Study on Consumer Awareness Program in Varanasi", Shodh Drishti,Volume-7,No.-1,ISSN-976-6650

16) SC Tiwari(2017),"Investment Pattern in Eastern Uttar Pradesh: A Special Reference to Saharanpur Area", Splint International Journal of Professionals, Vol-4, No-02,ISSN 2349-6045

17) Nabin subedi, Pawan Kumar Dubey, Kajal chaudhary, komal Kaur, Joseph Shrestha, "A Study on Poverty Reduction with Special Reference to Micro financing Institution in Chitre Village Development Committee (VDC), Nepal", International Journal of Innovative studies Sociology and Humanities, Vol. 1, Issue: 2, November 2016, PP. 1-8. ISSN No. 2456-4931.

18) Kajal Chaudhary, Surjan Singh, Pawan Dubey, Nabin Subedi, "A Comparative Study of Indian Gold Schemes with Special Reference to GDS and GMS in Indian Context", International Journal of Innovation Technology and Management, (accepted), ISSN No. 2394-594X.

23. **Details of patents and income generated** - Nil

24. Areas of consultancy and income generated –

Consultancy formation is subject matter of future concern. It will depend upon the tie ups with different companies and industries to provide expertise services in specialized area and generate income for university.

25. Faculty selected nationally / internationally to visit other laboratories / institutions

- Industries in India and abroad - Nil

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other

The faculty will put it efforts to get selected in any of the above boards.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

University has organized following Faculty Recharging programs.

Workshops:

- One day Workshop by SCSTE, Shimla on "Intellectual Property Rights: Issues and Challenges
- Three days workshop on SPSS
- One day workshop on challenges and issues in Human resource.

Conferences:

- Career opportunities in USA by USI Education Forum

28. Student Projects

Departmental Projects	
a) Percentage of students who have done in-house projects including inter departmental/ on-going programme	**100 %**
b) Percentage of students placed for projects in organizations outside the institution *i.e.*in Research laboratories/Industry/ other agencies	**0 %**

Project Detail (Year wise)

Batch 2011-13			
1.	Amanpreet Kaur	BS11MBA001	A study on analysis of income and consumption pattern of various household in Modinagar Tehsil, District Ghaziabad (U.P).
2.	HermeetKaur	BS11MBA002	A study on industrial relations in pharmaceuticals industry in district Sirmour (H.P).
3.	Jasveer Kaur	BS11MBA003	A study on Growth of Mutual Fund in district Barnala (Punjab).
4.	Nisha Singh	BS11MBA004	A study on Role & need of talent management in telecom sector focusing on Aircel telecom.
5.	Nishant RajShood	BS11MBA005	A study on Recruitment & selection procedures in context with employee turnover " A case study of manufacturing industries in district Solan (H.P) ,
6.	Pawandeep Kaur	BS11MBA006	To analyze the awareness of life insurance policy among customers with reference to other investment option in village Pohir Ludiana (Punjab).
7.	Ripu Daman	BS11MBA007	An analysis of Employees' satisfaction in manufacturing sector in Terrace Tehsil, District Kangra (H.P).

8.	Shelly	BS11MBA008	A case study on factors Determining the job -satisfaction of employees in educational institutions in Hoshiarpur district (Punjab).
Batch 2012-14			
1.	Gurpreet Kaur	BS12MBA002	A Comparative Study on Working Capital Management of Tata Steel Ltd. And Steel Authority of India Ltd.
2.	Inderpreet Kaur Dhillon	BS12MBA003	A study on working capital management with reference to ITC Ltd.
3.	Naveen Saini	BS12MBA004	A study on financial analysis of Indian Oil Corporation Limited.
Batch 2013-15			
1.	Navneet Kaur	BS13MB001	Employee Satisfaction In Banking Sector: A Comparative Study Of Public And Private Sector Banks In Amritsar City
Batch 2014-16			
1.	Haneet Kaur	BS14MB001	A Comparative study on Customer Perception and Satisfaction level with special reference to Big Bazaar and Vishal Mega Mart.
2.	Nabin Subedi	BS14MB003	A Study on Poverty Reduction With Special Reference to Micro Financing Institution in CHITRE VDC , Nepal
3.	Prakash Pahari	BS14MB004	Customer Satisfaction Towards Mobile Service Provider: An Empirical Study in Pokhra, Nepal
4.	Balwinder Kaur	BS12BHEC004	Consumer Attitude towards online Shopping: An empirical Study of Panchkula District
5.	Komal Kaur	BS12BHEC012	A study on Awareness, Utilization and Barriers Towards E-Banking in East Delhi India was the major reported barrier among all others.
6.	Manjot Kaur	BS12BHEC013	Profitability and Customer Satisfaction towards Big Bazar(A case study of PanipatCity,Haryana)
7.	Pooja Dhiman	BS11BTEC020	A Study on New Entry Threats and Innovation in IT Sector, Chandigarh

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post-doctoral fellows
- Students

Name of Faculty	Award/ Recognition	Year
Dr.Satish Chandra Tiwari	Excellent Teacher Award by Lions Club	2010

30. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

One day workshop on Goods and Services Tax an employability skills.

31. Following are the code of ethics for research of management department.

- Honestly report data, results, methods and procedures, and publication status. Do not fabricate, falsify, or misrepresent data.

- Strive to avoid bias in experimental design, data analysis, data interpretation, peer review, personnel decisions, grant writing, expert testimony, and other aspects of research where objectivity is expected or required.

- Avoid careless errors and negligence; carefully and critically examine our own work and the work of our peers.

- Honor patents, copyrights, and other forms of intellectual property. Do not use unpublished data, methods, or results without permission.

- Protect confidential communications, such as papers or grants submitted for publication, personnel records, trade or military secrets, and patient records.

- Help to educate, mentor, and advise students. Promote their welfare and allow them to make their own decisions.

- Strive to promote social good and prevent or mitigate social harms through research, public education, and advocacy.

- Avoid discrimination against colleagues or students on the basis of sex, race, ethnicity, or other factors not related to scientific competence and integrity.

- Know and obey relevant laws and institutional and governmental policies.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	**Applications received**	**Selected**		**Pass percentage**	
		Male	Female	Male	Female
M.B.A (2011-12)	8	2	6	100	100
M.B.A (2012-13)	5	1	3	100	67
M.B.A. (2013-14)	1	-	1	-	100
M.B.A. (2014-15)	14	3	11	67	45
M.B.A. (2015-16)	10	-	6	-	-
M.B.A. (2016-17)	17	6	10	-	-

33. Diversity of students

Name of the Programme (refer to question no. 4)	**% of students from the same university**	**% of students from other universities within the State**	**% of students From Universities outside the State**	**% of students from other countries**
M.B.A. (2014-15)	65%	14%	7%	14%
M.B.A. (2015-16)	-	17%	83%	-
M.B.A. (2016-17)	-	44%	66%	-

34. **How many students have cleared Civil Services and Defense Services examinations,**

NET, SET, GATE and other competitive examinations? Give details category-wise.-

N/A

35. Student progression

Student progression	**Percentage against enrolled**
UG to PG	Nil
PG to M.Phil.	Nil
PG to PH.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
Campus selection	70%
Other than campus recruitment	10%

36. **Diversity of staff**

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	1
from universities from other States from	2
Universities outside the country	Nil

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period** - Nil

38. Present details of departmental infrastructural facilities with regard to

a. Library – Yes, Library is well equipped with periodical journals, text/reference books, weekly/monthly business magazines and news papers

b. Internet facilities for staff and students- LAN as well as WI-FI facility is available

c. Total number of class rooms – 2+1

d. Class rooms with ICT facility - Yes

e. Students' laboratories – N.A

f. Research laboratories – N.A.

39. **List of doctoral, post-doctoral students and Research Associates** – N.A

a. from the host institution/university

b. from other institutions/universities

40. **Number of post graduate students getting financial assistance from the university.** –

The university is planning to give financial assistance to students through department.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

For the development of new programme, we discuss course curriculum in the board of studies and after the recommendation of board of studies, Academic Council approves it then the programme is launched.

The feedback is also taken from passing out students, industries and person of renown knowledge in the field of management.

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- Yes. The Department obtains feedback from faculty on curriculum as well as teaching- Learning evaluation. Department utilizes feedback for curriculum modification and utilizes it for improving the teaching –learning-evaluation process.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- Yes. The Department obtains feedback from students on staff, curriculum, as well as teaching-learning evaluation. Department utilizes feedback for further analysis of faculty performance and the feedback report is also handed over to the faculty members. Also, the department utilizes the feedback on curriculum when the syllabi are revised. The department positively responds to the feedback and rectifies the areas where modifications are required. After verifying the students‟ feedback, appropriate teaching techniques are adopted. Student representatives from each section make contributions by giving feedback on the student experiences and perspectives. Based on this feedback, the department takes necessary steps to satisfy them.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

- Yes. The department recognizes the distinguished alumni by associating them in the Board of studies while framing and updating the syllabi. The department also recognizes the distinguished alumni by inviting them to give special lectures and seminars to the students. The department requests the employers to offer financial assistance for conducting certificate programmes, seminars, conferences, workshops, and special lectures for the UG, PG students.

43. List the distinguished alumni of the department (maximum 10)

Sr. No.	Name
1	Jasmeet Kaur
2	Jasleen Kaur
3	Harneel Kaur
4	Sweta Sharma
5	Sahil Bhardwaj
6	Haneet Kaur
7	Gurpreet Kaur
8	Inderpreet Kaur
9	Nisha Singh
10	Ripu Daman

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Special lectures, workshops and seminars conducted.

Workshops:

- One day Workshop by SCSTE, Shimla on "Intellectual Property Rights: Issues and Challenges
- Three days workshop on SPSS
- One day workshop on challenges and issues in Human resource.

Conferences:

- Career opportunities in USA by USI Education Forum
- National Conference on Goods and Services Tax an employability skills

45. List the teaching methods adopted by the faculty for different programmes.

- PPT presentation
- Case studies discussion
- Assignment & presentation

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Continuous Internal Assessment Tests
- Periodical Seminars and Assignments
- Tutorials

47. **Highlight the participation of students and faculty in extension activities.** –

The students are encouraged to participate in social, cultural and sports activities organized by university.

48. Give details of "beyond syllabus scholarly activities" of the department.

- Organizing seminars, conferences and workshops
- Organizing invited talks and guest lectures
- Placement Training Programme
- Soft Skill and Personality Development Programmes
- Industrial Visits
- Mentoring Students
- Business Quiz
- Ad-mad show

49. **State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.** - Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

YES, Value based and Ethical Classes with placement oriented practical education Awareness programme on formation of self-help group for economic growth, information to the rural population about various micro level income generating programmes of the small and micro industries. Orientation of rural youth about marketing skills

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Competent Faculty
- Innovative curriculum
- Value Based Education
- Safest for Girls Students
- Placement oriented practical Education

Weakness

- Remote Location
- Limited Transport Facilities
- Hilly Area
- Limited research opportunities for students
- Low density of population and weak socio economic profile of region

Opportunity

- Research based course curriculum
- Opportunities of skill development training facility for students
- Promotion of entrepreneurial skill among management learners
- Increasing awareness towards scientific management for increasing productivity in every area
- PhD in Commerce and Management

Challenges

- Being located in remote areas faculty retention is a major concern.
- To manage admissions in coming years being a girls university.
- Organizing seminars and conference due to bad road
- To manage research funds in university
- To provide 100 % placement

52. Future plans of the department.

- To create excellent learning ambience through innovation in teaching, research and consultancy for producing professionals capable of answering global challenges and demonstrating high ethical and moral standards.
- To increase tie ups with industries to enhance employability of students.
- Strengthen the research facilities in the department through sponsored research.
- Develop linkages with national and international organizations
- To start PhD/M.Phil in department of commerce and management

EVALUATIVE REPORT OF AKAL COLLEGE OF NURSING

1. Name of the Department : Akal College of Nursing

2. Year of establishment : 2008

3. Is the Department part of a School/Faculty of the university?

   Yes, Faculty of Health and Allied Sciences

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

   1. B.Sc Nursing

   2. M.Sc Nursing

5. Interdisciplinary programmes and departments involved: Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc. :

   Nil

7. Details of programmes discontinued, if any, with reasons:
   Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System :

   Annual examination for both UG And PG

9. Participation of the department in the courses offered by other departments

   There is no participation in the courses offered. But do take part in the workshops and conferences organized by the other departments

   Faculty and PG students participated in the One day workshop in Intellectual Property Rights current Issues and challenges organised by intellectual property rights cell, Eternal University in collaboration with HIPIC, SCSTE

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual
Professors	2	2	2
Associate Professors	3	1	1

Assistant Professors	6	5	5
Tutors (PG teachers)	8	8	8
Clinical Instructors	7	7	7

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Sl No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. Students guided for the last 4 years
1.	Mrs. Ranjit Kaur	M.Sc. Nursing	Principal	Medical Surgical Nursing	41	
2.	Dr. Lekha Viswanath	Ph.D. Nursing	Professor	Obstetrical and Gynaecological Nursing	13	
3.	Mrs. Jansi K.	M.Sc. Nursing	Associate Professor	Medical Surgical Nursing	11	
4.	Dr. Achla Dagdu Gaikwad	Ph.D. Nursing	Assistant Professor	Psychiatric Nursing	8	
5.	Mrs. Rose Mary	M.Sc. Nursing	Assistant Professor	Medical Surgical Nursing	8.5	
6.	Mr. Libin Joseph	M.Sc Nursing	Assistant Professor	Mental Health Nursing	6	
7.	Mrs. Vijimol .G	M.Sc. Nursing	Assistant Professor	Obstetrical and Gynaecological Nursing	6	
8.	Ms. Neelima	M.Sc. Nursing	Assistant Professor	Community Health Nursing	4.5	
9.	Ms. Kalpana Thakur	M.Sc. Nursing	Nursing Tutor	Psychiatric Nursing	4	
10.	Ms. Jasneet Kaur	M.Sc. Nursing	Nursing Tutor	Community Health Nursing	5	
11.	Ms. Deepika	M.Sc. Nursing	Nursing Tutor	Obstetrical and Gynaecological Nursing	5	

12.	Ms. Simarjeet Kaur	M.Sc. Nursing	Nursing Tutor	Community Health Nursing	2	
13.	Ms. Sangeeta Sharma	M.Sc. Nursing	Nursing Tutor	Medical Surgical Nursing	1.7	
14.	Ms. Pratibha Khagta	M.Sc. Nursing	Nursing Tutor	Medical Surgical Nursing	1	
15.	Ms. Isha	M.Sc. Nursing	Nursing Tutor	Child Health Nursing	1	
16.	Ms. Rashmi	M.Sc. Nursing	Nursing Tutor	Obstetrical and Gynaecological Nursing	1	
17.	Ms. Sumanpreet Kaur	B.Sc. Nursing	Clinical Instructor		4	
18.	Ms. Komal Rana	B.Sc. Nursing	Clinical Instructor		3	
19.	Mrs. Preeti Thakur	B.Sc. Nursing	Clinical Instructor		2	
20.	Ms. Suchpreet Kaur	B.Sc. Nursing	Clinical Instructor		3	
21.	Ms. Manisha	B.Sc. Nursing	Clinical Instructor		-	
22.	Ms. Gagandeep Kaur	B.Sc. Nursing	Clinical Instructor		-	
23.	Ms. Pawandeep Kaur	B.Sc. Nursing	Clinical Instructor		-	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Sl. No	Names	Designation & University
1.	Dr. Jill Derstine	Associate Clinical Professor Drexel University,USA
2.	Dr.Mary Lou McHugh	Associate Clinical Professor Drexel University,USA
3.	Dr.Rocky Rocstraw	Assistant Clinical Professor Drexel University,USA
4.	Mr.Brain Fasolka	Assistant Clinical Professor Drexel University,USA
5.	Dr.Sandra A Friedman	Assistant Clinical Professor Drexel University,USA
6.	Dr.Cheryl Portwood	Assistant Clinical Professor Drexel University,USA
7.	Dr.Bobby Postmontier	Assistant Clinical Professor Drexel University,USA
8.	Dr.Linda Wilson	Assistant Dean Special Projects,Simulation & CNE Accreditation Drexel University,USA
9.	Ms.Diana	Assistant Clinical Professor Drexel University,USA

13. Percentage of classes taken by temporary faculty – programme - wise information : Nil

14. Programme-wise Student Teacher Ratio

B.Sc Nursing: 1:10
M.Sc Nursing: 1:9

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Administrator	1	1	1
UDC	1	1	1
LDC	1	1	1

16. Research thrust areas as recognized by major funding agencies

1. Reproductive child health
2. Community health care

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

- State recognition –
- National recognition
- International recognition Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

∗ Number of papers published in peer reviewed journals (national / international) : 40

Monographs – nil
∗Chapters in Books – nil
∗Edited Books – nil
∗ Books with ISBN with details of publishers – nil
∗Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 10
∗Citation Index – range /average

∗ SNIP
∗ SJR
*Impact Factor –range/averageh-index

List of publications

Dr. Lekha Viswanath	**2017** • Assessment of Health Related Quality of Life among Liver Transplant Recipients. International Journal of Nursing Education, January-March 2017, Vol.9, No. 1 pISSN 0974- 9349, eISSN 0974- 9354 • Identification of Facilitators and Barriers of Health Promoting Behaviours among Antenatal Mothers. International Journal of Nursing Care, January-June 2017, Vol. 5, No. 1 ISSNp 2320-8643, ISSNe 2320-8651 • Effectiveness of self-instructional module on knowledge and selected outcome among women undergoing hysterectomy in a tertiary care hospital in South India. International Journal of Reproduction, Contraception, Obstetrics and Gynecology. 2017 Jan; 6(1): 100-105 pISSN : 2320-1770, eISSN; 2320-1789 **2016** • Effect of Music therapy on Labor Pain among Women in Active Labor Admitted in Tertiary Care Hospital Kochi. International Journal of Integrative Medical Sciences. Vol 3(11):444-48. ISSN 2394 – 4137. DOI: http://dx.doi.org/10.16965/ijims.2016.145 • Menopausal Problems among postmenopausal women. Journal of South Asian Federation of Menopausal Societies. 2016; 4(2): 88-92 10.5005/jp-jouranals-10032-1092 • Nature and Characteristics of afterpain among mothers admitted in a tertiary care hospital in South India. International Journal of Reproduction, Contraception, Obstetrics and Gynecology. 2016; Sept;5(9): 3041-3045 pISSN : 2320-1770, eISSN; 2320-1789 • Effectiveness of Childbirth Education on Childbirth Experience of Pregnant women in a tertiary hospital, Kerala, South India. Journal of Nurse Midwifery and Women's Health. 2(2), May- Aug 2016 pISSN 2454- 7506, eISSN 2455-8389

- Level of fatigue among liver transplant recipients in a selected teriary care hospital, Kochi. International Journal of Multidisciplinary Educational Research. 2016 oct; volume 5, Issue 10(1)
  ISSN: 2277-7881

- *Effectiveness of Breast Massage on Expression of Breast Milk among Mothers of Neonates Admitted in Neonatal Intensive Care Unit*. J South Asian Feder Obst Gynae 2016;8(1):1-4.
  ISSN 0974-8938(print), ISSn 0975-1920(electronic)
  ISSN 0974-8938(print), ISSn 0975-1920(electronic)
  Bibliographic listing: Index Capernicus, EBSCO, Google Scholar, Genamics Journal Seek, ProQuest, EM care, Embase, Ulrich, HINARI, Open j Gate, Cite factor, SIS,SJIF, OAJI, Scopusv

2015

- Assessment of perceptions and practice of family planning among married women. Kerala Nursing Forum, Vol 10(4), October- December 2015. ISSN 2248-907X

- Learning needs of antenatal mothers in a teriary care hospital, South India. Journal of Nurse Midwifery and Women's Health. 1(1), uly- December 201ISSN : 2454-7506

- Level of anger and its psychosocial factors among adolescents, Global Journal of Multidiciplinary Studies, November 2015
  ISSN: - 2348-0459 Impact Factor: 2.389

- Impact of a Comprehensive Nursing Intervention Package on the glycemic control of women with GDM .Journal of Nurse Midwifery and Women's Health. 1(1), Jan- June 2015

Conference papers

1. Viswanath, L. Health promoting behaviour among undergraduate nursing students. 2nd National Conference on Women's health- Chllenges and solutions, Sharada Sakti, Pune (the women wing of Vigyaan Bharathi), 28th, 29th Novemeber, 2015

2. Level of fatigue among liver transplant recipeients . National Conference on Organ Transplant . Amrita College of Nursing,

Kochi.20th ,22nd November 2015

2014

Journal articles

1. Assess the knowledge on menopausal self-care among perimenopausal women. Journal of South Asian Federation of Menopause Societies. July-dec 2014; 2(2):55-58

2. Awareness Regarding Antenatal Investigations among antenatal mothers attending Selected Tertiary Hospital, Kochi, Kerala. Journal of South Asian Federation of Obstetrics and Gynaecology. Volume 6(2).September-December 2014.

3. Self-Care Agency of Women with Gestational Diabetes Mellitus – Effectiveness of a Self-care Enhancing Intervention. International Journal of Nursing Care. Volume2 (1). January-June 2014.

Conference papers

4. Self-care practice and glycemic level of women with Gestational Diabetes Mellitus in the Third International Conference on Transforming Nursing Practice through Research organized by International Centre for Collaborative Resesarch, Omayal Achi College of Nursing, Chennai on 8th,9th,10th January 2014

2013

Journal articles

5. Relationship of basic conditioning factors, self-care agency and self-care practice among women with gestational diabetes mellitus – an application of Orem's theory of self care. Kerala Nursing Forum. Volume 8 (4). October December 2013.

Conference papers

- Breast feeding practice, Self-efficacy and its antecedents among postnatal mothers: An application of Dennis's Breast-feeding self-efficacy theory at the National Conference on Theoretical Foundations and its application in Nursing organized by RVS Collge of Nursing, Sulur, Coimbatore on12th July, 2013

- Graduate Nurses Perception of Nursing Education at the National Conference on Changing the landscape of Nursing Education & Practice organized by MIMS College of Nursing, Calicut on 1st, 2nd May, 2013

	Before 2013 ***Conference papers*** 3. Self-care agency and self-care practice of pregnant women with diabetes on the International Conference on Nursing Theories-Myths and Facts organized by MIMS College of Nursing, Calicut on 10th, 11th, February, 2012. 4. Exercise therapy for glycemic control in the women with gestational diabetes. Journal of Nursing Research Society of India. October 2009. 5. Effect of exercise therapy on the glycemic level of women with Gestational Diabetes Mellitus at the National Conference (12th) of Nursing Research Society of India on Action Research- Bridging the gap between Nursing Theory and Nursing Practice organized by Manipal College of Nursing, Manipal on 17th, 18th, November 2008
Dr. Achla Gaikwad	1. Effect of abdominal compression on blood pressure of patients with postural hypotension Receiving Antipsychotics/Antidepressants. Gaikwad, Achla Dagdu, India, STM Journals, Vol 2, No 3, Dec (2012) 2. Nursing Students' Attitude Toward Suicide Prevention. Nebhinani N, Mamta, Gaikwad Ad, Tamphasana L. Ind Psychiatry J. 2013 Jul;22(2):114-7. Doi: 10.4103/0972-6748.132922. [Pubmed] iii. Nursing Students' Attitude Towards Suicide Attempters: A Study From Rural Part Of Northern India. Nebhinani M, Nebhinani N, Tamphasana L, Gaikwad Ad. J Neurosci Rural Pract. 2013 Oct;4(4):400-7. Pubmed] iv. Nursing Students' Attitude Toward Suicide Attempters. Mamta, Nebhinani N, Tamphasana L, Gaikwad Ad. J Neurosci Rural Pract. 2014 Apr;5(2):207-8. Doi: 10.4103/0976-3147.131701. Pubmed] 3. Play Therapy: An Approach to Manage Childhood Problems. Gaikwad AD, K. Lalitha, Seshadri SP. International Journal of Pediatric Nursing, 2015; Vol. 1: Issue 1, pp:22-28 4. Legal Issues in Child and Adolescent Psychiatry. Gaikwad AD, Panchal R, Ajesh KTK, Natasha T. International Journal of

Neurological Nursing, 2015; Vol. 1: Issue 1, pp: 11-18.

5. Assessment of Knowledge and Barriers Regarding Immunization among Parents Visiting the Paediatric OP. Panchal R, Gaikwad AD. Journal of Nursing Science & Practice, Vol 5, No 1 (2015)pp : 29-33
6. Play therapy in children with Disruptive Behavior Disorders (DBD): A pilot study. Gaikwad AD, K. Lalitha, Seshadri SP. Indian Journal of Nursing Studies. Jul-Dec 2015; 6 (2), 9-14
7. Psychiatric Nursing Practices in India: Past, present & Future. K. Lalitha, Gaikwad AD. Indian Journal of Nursing Studies. Jul-Dec 2015; 6 (2), 2-8
8. Effectiveness of play therapy on family stress coping and selected variables of children with DBD. Gaikwad AD, K. Lalitha, Seshadri SP. International Journal of Child Development and Mental Health. Feb-Jul, 2016 (in process)
9. Effectiveness of Yoga on children with psychiatric problems: Parent‟s perspectives, K. Lalitha, Gaikwad AD. International Journal of Child Development and Mental Health. Vol 4 (2); available on: https://www.tci-thaijo.org/index.php/cdmh/index
10. Does emotional intelligence matters in student‟s life??? Gaikwad AD, Ajesh Kumar TK , Panchal R.
11. Effectiveness of Yoga on children with psychiatric problems: parent‟s perspectives. International Journal of Child Development and Mental Health, Vol 5 (2)

MS. KALPNA THAKUR	1. Assessment of the Pattern and Impact of Bullying Behaviour among School Children. Veena Sharma, Jamal Fatima, Kalpana Thakur, Nighat Parveen. New journal of psychiatric nursing: Red flower publications Pvt. Ltd.) Volume 3, Issue 3, Sept - Dec 2014, Pages 91-94 . **2.** A comparative study to assess the loneliness among elderly men and women in selected residential areas of Delhi with a view to develop and disseminate an information booklet on coping with loneliness. Paper presentation in 5th International conference "Innovations in Nursing Education and Practice."
MS. SIMARJEET KAUR	1. Comparative assessment of knowledge and attitude regarding MCH services among married women in Selected Urban and Rural Of District Muktsar Sahib, Punjab. International journal of nursing Education ,Oct-Sept, 2016. 2. Women empowerment . Nightingale Nursing Times ,August ,2016 3. Translational Research-for quality Outcome. Nurses of India, August ,2016 4. Evan's Syndrome. Nurses of India, December 2016 5. Sample Size Determination (Descriptive Studies). International Journal of current Research, Feb, 2017

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions /industries in India and abroad : Nil

Ms. Kalpana Thakur	Sponsored by Jamia hamdard University for student exchange programme at Kungsholmen Vastra Gymnasium, Stocholm, Sweden in 2015. Attended session by Famous speaker Mr. Richard Gerver on Enterpreneurship. Visited Red Cross Society and had attended their session on their working policy and research activities. Visited old age homes and rehabilitation centres. Attended discussion and lectures on their curriculum and nursing course.

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Dr.Lekha Viswanath	1. Editor – In - Chief: Journal of Nurse Midwifery and Maternal Health 2. Editorial Member of Global Journal of Multidisciplinary studies **3.** Editorial Member of Biomed central pregnancy and childbirth
Dr. Achla D Gaikwad	1. Editorial Member of Journal of Nursing Science and Practice

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

1. **Regular Faculty Development Programmes**
   - Faculty development programmes are organised on every wednesday on a regular basis at Akal College of Nursing.
   - Topics are selected based on the need assessment done periodically and mainly focus on improving the teaching-learning-evaluation

2. **International Nursing Conference Organized Annually**
   - Akal College of Nursing International Conference in Collaboration with Drexel University, US every year

3. Conferences and Workshops organized by the other departments of the Eternal University

4. **Faculty are also deputed to attend conferences and workshops organized by the other Institutions**

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

  Undergraduate students: 100%

  Post-graduate project: 70%

- percentage of students doing projects in collaboration with other universities /ndustry / institute

  Post-graduate project: 30%

29. Awards / recognitions received at the national and international level by

- Faculty
  - Doctoral / post doctoral fellows
  - Students

There in no awards received by the faculty. The following are some of the recognitions and achievements by the faculty

Ms. Kalpana Thakur	Sponsored by Jamia hamdard University for student exchange programme at Kungsholmen Vastra Gymnasium, Stocholm, Sweden in 2015. Attended session by Famous speaker Mr. Richard Gerver on Enterpreneurship. Visited Red Cross Society and had attended their session on their working policy and research activities. Visited old age homes and rehabilitation centres. Attended discussion and lectures on their curriculum and nursing course.
Ms. Sangeeta Sharma	Gold medal for securing top rank in academics from Akal College of Nursing. Gold medal for securing top rank in academics from Eternal University.
Ms. Pratibha Khagta	Gold medal for securing top rank in academics from Akal college of Nursing.

Ms.Simarjeet Kaur	Secured first rank in B.Sc Nursing from the Baba Farid Uniersity of Health Sciences, Faridkot, Punjab
Dr.Lekha Viswanath	Secured third rank and topper in the speciality of OBG Nursing from the University of Calicut, Kerala. Resource person for the Indo-African CME as a part of Pan-African e- Network project on the topic "Nursing care of patients after Cesarean section" on 13.06.2012 which covered nurses from eight african countries. **Invited talks/Resource person in conferences and workshops** 1. **Theory – Practice Gap in Nursing: Perspective of Graduate Nurses.** Sixth International Conference on Bridging the Gap between Theory & Practice in Nursing, organised by Akal College of Nursing, Eternal University, Baru Sahib, Srmour, HP on 21st & 22nd October 2017. 2. **Meconium Liquor- Midwives thoughts and actions.** National Conference on 'Make pregnancy safer' organized by Father Muller College of Nursing, Mangaluru on 8th March 2016 3. **First aid in burns poisoning and bites**. Training of volunteers of Amrita self reliant villages- transforming rural India programme . Participants from the state of Bihar, Chathisgargh, Gujrat, Himachal Pradesh, Jharkand, Madyapradesh, Maharshtra, Rajasthan, and Uttarakhand. On 04/02/2016 4. **"Research priorities in OBG Nursing"** in the International seminar on Rejuvinating Nursing research culture in the present scenario organized by Carmel College of Nursing, Aluva on 29th to 31st May 2014 5. **"Nonexperiental Research designs"** in the National Workshop on Research methodology, organized by KVM College of Nursing, Cherthala on 22nd February, 2013 6. Education session on "**introduction to reproductive rights,** anatomy & physiology of reproductive system, physiological changes, emotional and psychological impact of puberty" during the one day orientation programme on reproductive rights for the blind youth organised by the

	National Institute for Visually handicapped, Regional Centre, Chennai at School of Blind, Thotmugham, Aluva on 27.07.2012 **7. "Role of Human relations for Quality Assurance in Nursing"** in the State level Workshop on Human Relations (DGHS aided) on April, 2011, organized by Amrita College of Nursing, Kochi 8. **"Quality Assurance in Nursing**" in the State level Workshop on Managerial Skills (DGHS aided) on April, 2011, organized by Amrita College of Nursing, Kochi 9. "**Role of Nurse Manager In-service Education"** in the State level Workshop on Managerial Skills (DGHS aided), organized by Samaritan College of Nursing, Pazhanganad, Ernakulam on 9th August, 2009 **10.** "**Leadership skills in Nursing"** in the CNE Organized by Caritas College of Nursing, Kottayam on 28th May, 2009 **11. "Leadership styles"** in the State level Workshop on Human Relations (DGHS aided) in April, 2009, organized by Amrita College of Nursing, Kochi 12. **"Concept mapping and Problem based learning**" on the State level Workshop on Educational Technology (DGHS aided) in April, 2009, organized by Amrita College of Nursing, Kochi
Ms. Rose Mary	Awarded with outstanding performance certificate for the specialization course in critical care nursing from Confederation College,Thunder bay,Ontario,Canada in the year 2015. Cleared the registered practical nurses examination in Canada in the year 2014 and enrolled as Registered practical nurse in Canada (Ontario province). Worked with health care agencies like Bay shore health care and Rivera health care in Canada.

30. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

Akal College of Nursing organize International Nursing Conference in Collaboration with

Drexel University, Philadelphia US, every year from 2011. The conference was funded by ICMR in 2015 and 2016.

FIRST INTERNATIONAL NURSING CONFERENCE ON **"NURSING INFORMATICS."**
Date: 10th &11th, October, 2011

International Resource persons / delegates;

- Dr. Marylou McHugh (Associate Clinical Professor, Drexel University);
- Dr Sandra Friedman (Assistant Clinical Professor, Drexel University),
- Dr William Grosky (University of Michigan),
- Joan Teague Bickes & Margaret Louise (Wayne State University's CON),
- Dr. Charanjit Brar (Nurse Practitioner, Cardiology)

National resource persons and prominent delegates;

- Dr Triza Jiwan (Principal, CMC CON, Ludhiana),
- Dr Jyoti Sarin (Principal, MM CON, Ambala),
- Prof Sujana Chakravarty (Jamia Hamdard, New Delhi),
- Dr. Shama Lohumi (Principal, Shivalik CON, Shimla),
- Dr. Sandhya Ghai (Principal, NINE, PGIMER),
- Mrs. Sunita Sharma (Lecture NINE, PGIMER),
- Dr. Sushma Saini (Lecturer NINE, PGIMER),
- Dr Sukhwinder Kaur (Lecturee NINE, PGIMER),
- Dr Raman Kalia (Principal, Saraswati Institute of Nursing, Kurali),
- Mrs. Sunita Verma (Registrar, HPNRC, Shimla),
- Dr. Suresh K Sharma (Vice- Principal DMC CON, Ludhiana),
- Mrs. Manjit Kaur (Lecturer, Mata Sahib Kaur, Sohana),
- Mrs. Maragatham Kannan (Principal, Shanmuga CON, Selam),
- Dr Ujwal Rao (Clinical Transformation Specialist, Ohum Health Care, Pune),
- Mrs. Reena Jairus (CMC&H, Ludhiana),
- Mrs. Rajrani (IVY Hospital, Mohali),
- Mr. Bhuvnesh Shukla (Assistant Professor, CON, Jaipur),
- Mrs. Darshan Sohi (Professor Khalsa Con, Amritsar),
- Mrs. Krishna Chauhan,
- Dr. Pankaj Sharma &
- Dr Suman Bala Sharma.
- Dr. Jayshree Sharma (DMER, Govt. of H.P, Shimla) was the Chief Guest of the conference.

More than 350 International and National delegates participated in the conference.

SECOND INTERNATIONAL NURSING CONFERENCE ON **"GLOBAL NURSING".**
Date: 1st & 2nd December, 2012

International Resource persons and prominent delegates;

- Dr Jill B Derstine, Associate Clinical Professor,
- Dr. Marylou Mchugh, Associate Clinical Professor,
- Mr. Brain J Fasolka, Assistant Clinical Professor.

National resource persons and prominent delegates;

- Dr. K Reddamma (Senior Professor & HOD of Nursing, NIMHANS, Bangalore),
- Mrs. Bandana Bhattacharya (Former Principal, RAK, CON, Delhi),
- Professor Rajeshwari Siva (CON, CMC&H, Vellore),
- Dr. Jasbir Kaur (Principal, CON, DMC&H, Ludhiana), &
- Dr. Sandhya Ghai (Principal, NINE, PGIMER).

3RD INTERNATIONAL NURSING CONFERENCE ON "INNOVATIVE TRENDS IN COMMUNITY HEALTH NURSING."
Date: 5th and 6th October, 2013

International Resource persons and prominent delegates;

- Dr. Jill B Derstine, Associate Clinical Professor, Drexel University College of Nursing, Philadelphia U.S.A,
- Dr. Marylou Mchugh, Associate Clinical Professor, Drexel University College of Nursing, Philadelphia, U.S.A.

National resource persons and prominent delegates;

- Dr. Inderjit Walia (Nursing Advisor, Rattan Professional Nursing College, Mohali),
- Ms. Chader Sarin (Principal, Rayat Bahara CON),
- Dr. Satwant Baltej (Former Dean, Nursing Studies, Eternal University, Baru Sahib),
- Dr Sushma K Saini (Lecture, NINE, PGIMER, Chandigarh),
- Dr Rekha Ogle (Principal, Sinhagad CON, Pune),
- Mrs. Shanti Chauhan (Registrar, HPNRC, Shimla),
- Dr. Jyoti Sarin (Principal, M.M. Maulana CON),
- Mrs. Greeda Alexander (Professor, CON, CMC, Vellore),
- Dr. Saroj Parwez (Principal, Swift CON),
- Dr Suresh K Sharma (Principal & Professor AIIMS, Rishikesh),
- Dr. Karthrivel S (Senior resident, Dept. of Community Medicine PGIMER),
- Ms. Mala T (Dean & Prof Manipal CON, Bangalore),
- Mrs. Manpreet Kaur (Professor, SGRD CON, Amritsar),
- Dr. Elango (Prof. & HOD, Dept. of Community Medicine , Chennai),

- Dr. Sandhya Ghai (Principal, NINE, PGIMER),
- Dr. Vijay Tiwari (Prof. Dept. of Planning and Evaluation, NIHFW, New Delhi),
- Ms. Rajani Herald (Professor Cancer Institute of Nursing, Gwalior),
- Mrs. Narinder Walia (Principal, Sarswati CON, Gharuan) &
- Mrs. Swaraj Mathew (Vice-Principal, Oswal CON)

About 300 delegates participated in the conference; among which 13 were Resource persons and 7 were chair persons who came from different places. Chief Guest for the conference was Ms. Meera Mehanty, IAS Officer working as a Director in Urban Development Town and Country Planning, Himachal Pradesh.

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FOURTH INTERNATIONAL NURSING CONFERENCE ON"GYNECOLOGY & OBSTETRICAL NURSING: NEW INSIGHT IN RESEARCH, DIAGNOSIS AND CLINICAL CARE."

Date : 11th and 12th October, 2014

Pre-conference symposium on 10th October 2014 on substance abuse and de addiction &

Pre conference workshop on 10th October 2014 on HIV/AIDS

International Resource persons and prominent delegates;

- Dr. Jill B Derstine, Associate Clinical Professor, Drexel University College of Nursing, Philadelphia U.S.A,
- Dr. Marylou Mchugh, **(**Associate Clinical Professor, Drexel University College of Nursing, Philadelphia, U.S.A.)

National resource persons and prominent delegates;

- Dr. Prakasamma (Founder of SOMI & ANSWERS),
- Dr. Reena Bose (Former President of INC),
- Mrs. Bandana Bhattacharya (President SOMI Delhi Chapter),
- Ms. Bandana Das (President SOMI),
- Dr. Sandhya Ghai (Principal NINE, PGIMER).
- Mrs. Sujana Chakravarty (Former Secretary General of TNAI) was the convener of the conference.
- High Profile Nursing Faculty and M. Sc. Nursing students from different colleges of Nursing of Chandigarh, Haryana, Rajasthan, Delhi, Punjab and Gujarat.

FIFTH INTERNATIONAL NURSING CONFERENCE ON "INNOVATIONS IN NURSING EDUCATION AND PRACTICE".

Date: 3rd and 4th Oct 2015.

Pre-conference workshop on **"Re-emergence of Tuberculosis in India"**

International Resource persons and prominent delegates;

- Dr. Jill B Derstine, Associate Clinical Professor, Drexel University College of Nursing, Philadelphia U.S.A,
- Dr. Marylou Mchugh, Associate Clinical Professor, Drexel University College of Nursing, Philadelphia, U.S.A.

National resource persons and prominent delegates;

- Dr H S Chauhan, Dean cum Professor Akal School of Public Health , Eternal University Prof. Ms Sandeep Kaur, DMC&H Ludhiana, Punjab,
- Prof. Krishna Chauhan, College of Nursing, IGMC, Shimla, Himachal Pradesh,
- Dr Shama Lahumi, principal, Shivalik College of Nursing, Shimla, Himachal Pradesh,
- Prof. Ramandeep Kaur, Director cum Principal, College of Nursing, Desh Bhagat University, Punjab
- Mrs Kaushalya Chaudhary, Registrar Himachal Pradesh Nurses Registration Council was the chief guest of the conference.
- About 236 delegates, 14 resource persons, 12 chairpersons including Executive Director & President of Nursing Research Society of India, HODs, Deans, Professors and Principals of different colleges came from different parts of the globe was present in the conference.

SIXTH INTERNATIONAL NURSING CONFERENCE ON "BRIDGING THE GAP BETWEEN THEORY AND PRACTICE IN NURSING"
Date: 21st & 22nd October 2016.

International Resource persons and prominent delegates;

- Dr. Jill B Derstine, Associate Clinical Professor, Drexel University College of Nursing, Philadelphia U.S.A,
- Dr. Marylou Mchugh, Associate Clinical Professor, Drexel University College of Nursing, Philadelphia, U.S.A.
- Dr. Carol Okupniak, Assistant Clinical Professor of Nursing at Drexel University,
- Dr.Shreedevi Bala chandran, HOD, Adult health and critical care, Sultan Qaboos University, Oman &
- Prof. Tara Shah, Professor in B.P. Koirala Institute of Health Sciences, Dharon , Nepal.

National resource persons and prominent delegates;

- Dr. Deendayal Reddy,HOD, Dept.,of bio-ethics, Institute of Medical Science, Hyderabad,
- Col. Dr. Rajinder Singh, Director, Akal De-addiction Center, Punjab.
- Dr. Selva Titus Chacko, Dean and Professor of Nursing, CMC Vellore, India.
- Dr. K. Lalitha, Professor, Department of Nursing, National Institute of Mental Health

and Neuro Sciences(NIMHANS).

- Dr. Chander Sarin Principal, Rayat Bahara College of Nursing, Mohali, Chandigarh.
- Prof. Dr. Rafiqa Bashir, Principal, Rajiv Gandhi College of Nursing, Jammu and Kashmir.
- Dr. Haseena Wani, Nursing Superintendent and Incharge of Nursing administration, SKIMS, Jammu and Kashmir,
- Prof. Dorothy Deena Theodore, Principal Narayana Hrudayalaya College of Nursing, Bangalore
- Dr. (Prof) Subrata Sarkar, former Principal , Govt. College of Nursing, R.G. Kar Medical College & Hospital Kolkata, India.
- Dr. Raman Kalia, Principal, Saraswati College of Nursing, Mohali Chandigarh ,
- Mrs. Kijum Sora Karga, Deputy Director of Nursing cum Registrar, Arunachal Pradesh.
- Dr. Vaishali Siddhartha, Principal, Ganpat Rao Adke College of Nursing, Nashik Maharashtra,
- Prof. Cathrine, Principal, North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences, Shillong, Meghalaya,
- Prof. Pravina Mahadalkar**,** Principal, Bharti Vidyapeeth College of Nursing, Pune,
- Dr. Shama Lohumi, Principal, Shivalik College of Nursing, Shimla,
- Dr. Mehmooda Regu, Principal of Madre-Meherban Institute of Nursing Sciences and Research, J&K.
- Dr.Satwant Baltej Former Dean, Akal College of Nursing ,
- Padmashree Mrs. Shanti Teresa,
- Dr. Sandhya Ghai Dean, College of Nursing, PGI, Chandigarh,
- Prof. Krishna Chauhan, Principal, Sister Nivedita college of nursing, IGMC, Shimla,
- Dr.Inderjit Walia Former Dean college of nursing, PGI, Chandigarh, &
- Dr. Sunita Verma, Former Registrar, Himachal Pradesh Nurses Registration Council
- Dr. Lekha Viswanath, Professor, Akal College of Nursing, Eternal University, Baru Sahib, H.P

31. Code of ethics for research followed by the departments

Akal College of Nursing follows the Ethical Guidelines for Biomedical Research on Human Subjects issues by ICMR

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc NURSING					
2014 batch	30		18		95%
2015 batch	26		10		Ongoing
2016 batch	35		19		Ongoing
B.Sc NURSING					
2010 batch	120		60		100
2011 batch	115		60		100
2012 batch	135		55		96
2013 batch	150		60		97
2014 batch	165		60		100
2015 batch	125		60		96
2016 batch	150		60		Ongoing

3. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc NURSING				
2014 batch	44	56	50	
2015 batch	60	10	30	
2016 batch	32	26	42	

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Less than 5%
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed □ Campus selection □ Other than campus recruitment	More than 90%
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are	
Graduates of the same University	41
From Universities within the state	5
From Universities outside the state	54
From Universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period :

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library

Books:3212

No. of Journals: 19

E-Journals: 10

b) Internet facilities for staff and students

Internet LAN facility for all the Faculty and in Office

Wifi in library for the students

c) Total number of class rooms : 10

d) Class rooms with ICT facility : 5

e) Students' laboratories : 6

1. Fundamentals of Nursing Laboratory
2. Nutrition lab
3. Anatomy and Physiology lab
4. OBG & Pediatrics lab
5. Community heatlh Nursing Lab
6. Audio-Visual lab

f) Research laboratories

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university : Nil

b) from other institutions/universities **:** Nil

40. Number of post graduate students getting financial assistance from the university. : Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes

- **Need Assessment for Faculty Development Programme**: Need assessment survey was done among the faculty to identify the topics for FDP and the sessions were selected as per the needs identified by the faculty

- **Programme for the support of First Year B.Sc Nursing students:** As many of the first year students scored less in the weekly test repeatedly, a survey was done among then to find out their learning problems. They were asked to give suggestions for interventions to help them too. Based on the finding of this assessment tutorial system and study groups were formulated.

- **Need assessment for selection of conference theme:** Need assessment surveys are conducted among the participants of the previous conference . Focused group discussions was conducted among resource persons and national and international nursing leaders participated in the conference.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes.
This feedback is used for improving the teaching learning and evaluation methods

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Daily feedback is obtained from students regarding each days class and corrective measures are taken for any issues that arise

Periodic feedback is obtained from students for the improvement in teaching learning process.

c. alumni and employers on the programmes offered and how does the department utilize the feedback?

A focused group discussion was conducted among first batch of postgraduate students to obtain feedback on teaching learning and evaluation. The suggestions were incorporated in the subsequent academic year for the improvement of teaching learning and evaluation.

43. List the distinguished alumni of the department (maximum 10)

S. No.	Name	Batch	Designation
	Ms. Amanpreet Kaur	2008-2012	Staff Nurse In Perth (Australia)
	Ms. Nancy	2008-2012	Lieutenant in Military Nursing Services
	Ms. Anu Vardhan	2008-2012	Staff nurse in GMCH, Chandigarh
	Ms. Kanchan Thakur	2008-2012	Lieutenant in Military Nursing Services
	Ms. Sangeeta Sharma	2008-2012	Nursing Tutor in ACN
	Ms. Pratibha Khagta	2008-2012	Nursing Tutor in ACN
	Ms. Shivani Bharti	2009-2013	Lieutenant in Military Nursing Services
	Ms. Shivali Walia	2009-2013	Staff Nurse in PGI, Chandigarh
	Ms. Simren Shoker	2010-2014	Staff Nurse in California (USA)
	Ms. Rohini Gushpa	2010-2014	Lieutenant in Military Nursing Services
	Ms. Shilpa Rao	2010-2014	Lieutenant in Military Nursing Services

	Ms. Neha	2011-2015	Lieutenant in Military Nursing Services

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Sessions of simulation by Dr. Carol Okupniak, Assistant Clinical Professor of Nursing at Drexel University
- Session on critical care nursing by Mr. Brain J Fasolka, Assistant Clinical Professor.
- Session of critical thinking by Dr. Jill B Derstine, Associate Clinical Professor, Drexel University College of Nursing, Philadelphia U.S.A
- Workhop on Intellectual Property rights organised by the IPR cell, Eternal Univeeersity and SCST, Shimla.
- Studets also get opportunity to attend the International Nursing Conference organised by Akal College of Nursing in Collaboration with Drexel University team, USA

45. List the teaching methods adopted by the faculty for different programmes.

B.Sc Nursing

- Lecture cum discussion
- Seminar
- Case studies
- Flip class room
- Field visits
- Demonstrations
- Presentations
- Nursing care plans

M.Sc Nursing

- Lecture cum discussion
- Seminar
- Symposium
- Group Project
- Problem Based learning
- Evidence baded practice
- Journal Club
- Case studies
- Flip class room

- Field visits
- Demonstrations
- Presentations
- Nursing care plans
- Concept maping
- Projects
- OSCE

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Knowledge

- theory examinations

Practical skill

- Evaluation of bedside patient care
- Practical examinations
- Ongoing clinical evaluation

47. Highlight the participation of students and faculty in extension activities.

- Akal College of Nursing has adopted six village to provide community health care in which students and faculty are actively involved.
    - Periodic health survey
    - Awareness programmes
    - health camps
    - Screening programmes

48. Give details of "beyond syllabus scholarly activities of the department" of the department.

- Scholarly activities organized annually
    1. International Conference organized on themes of National and International importance in collaboration with Drexel University
    2. Annual Inter collegiate Florence Nighingale quiz competion ….....
    3. sportssss
    4. camps

- Weekly activities
    1. journal clubs in which research papers published in leading journals are presented. It facilitated awareness not only regarding the recent evidences but also regarding the methodologies used. All the faculty and PG students participate in the journal club
    2. FDP
    3. Student club activities on Saturdays:
        1. Literary Club,
        2. Eco-Friendlily club,
        3. Creativity Club,
        4. Sports club
        5. Peace and harmony

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Recognised by Indian Nursing Council and Himachal Pradesh nursing Registration Council

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Twenty eight research projects are completed by the ACN covering various aspects of Nursing The projects of students and faculty are being published in National and International journals

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

1. Infrastructure and facility for innovative teaching-learning methods
2. Faculty as per INC norms
3. Collaboration with International University
4. Value based education and extracurricular activities
5. Rich clinical experience in various government and private hospitals
6. Excellent placement network

Weakness:

1. Superspeciality clinical facilities not available in the parent hospital which makes clinical posting of students away from the campus. However it has an advantage that the students get exposure to different health care settings.
2. Less proportion of senior faculty

Opportunity:

1. Exchange programme for students and faculty with Drexel university
2. Use of newer teaching-learning evaluation methods
3. Start Ph.D programme in Nursing and M.Sc Nursing in other Specialities
4. Extend more health service to the community and to conduct more community based projects
5. More research studies

Challenges:

1. Providing quality clinical experience for the students
2. Retention of faculty
3. Preparing the students to meet the changing needs of the society and bridge theory practice gap in Nursing

52. Future plans of the department.

1. To start Ph.D programme
2. To collaborate with more foreign universities and to start student and faculty exchange programmes
3. To start M.Sc Nursing in other specialties : Community Health Nursing, Mental Health Nursing
4. To set up Advanced Nursing and Simulation Lab
5. Initiate more programmes for Community Health Care
6. Conduct more research projects

THE ETERNAL UNIVERSITY (ESTABLISHMENT AND REGULATION) ACT, 2008

ARRANGMENT OF SECTIONS

Sections:

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40. Powers of the Government to inspect the University
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45. Savings
46. Repeal of Ordinance No. 4 of 2008 and savings.

Amendments Vide:

i) Act No. 17 of 2011 (31st Jan, 20110

ii) Act No. 23 of 2012 (3rd May, 2012)

iii) Act No. 7 of 2013 (5th Jan, 2013)

iv) Act No. 30 of 2012 (25th May, 2013)

THE ETERNAL UNIVERSITY (ESTABLISHMENT AND REGULATION) ACT, 2008

(AS ASSENTED TO BY THE GOVERNOR ON 21ST JANUARY, 2009)

AN

ACT

to provide for establishment, incorporation and regulation of Eternal University in the State for higher education and to regulate its functioning and for matters connected therewith or incidental thereto.

BE it enacted by the Legislative Assembly of Himachal Pradesh in the Fifty-ninth Year of the Republic of India as follows:-

1. (1) This Act may be called the Eternal University (Establishment and Regulation) Act, 2008. Short title and commence-ment.

(2) It shall be deemed to have come into force on 29th day of April, 2008.

2. In this Act, unless the context otherwise requires,-- Definitions

(a) "Board of Management" means the Board of Management constituted under section 19 of this Act;

(b) "campus" means the area of University within which it is established;

(c) "distance education" means education imparted by combination of any two or more means of communication, viz. broadcasting, telecasting, correspondence courses, seminars, contact programmes and any other such methodology;

(d) "employee" means any person appointed by the University and includes teachers and other staff of the University;

(e) "fee" means monetary collection made by the University or its colleges, institutions or study centers, as the case may be, from the students by whatever name it may be called, which is not refundable;

(f) "Government" or "State Government" means the Government of Himachal Pradesh;

(g) "Governing Body" means the Governing Body constituted under section 18 of this Act;

(h) "higher education" means study of a curriculum or course for the pursuit of knowledge beyond 10+2 level;

(i) "hostel" means a place of residence for the students of the University, or its colleges, institutions and study centres, established or recognized to be as such by the University;

(j) "notification" means a notification published in the Official Gazette;

(k) "off campus centre" means a centre of the University established by it outside the main campus operated and maintained as its constituent unit, having the University's complement of facilities, faculty and staff;

(l) "Official Gazette" means the Rajpatra, Himachal Pradesh;

(m) "Prescribed" means prescribed by rules made under this Act;

(n) "regulating body" means a body established by the Central Government for laying down norms and conditions for ensuring academic standards of higher education, such as University Grants Commission, All India Council of Technical Education, National Council of Teacher Education, Medical Council of India, Pharmaceutical Council of India, National Council of Assessment and Accreditation, Indian Council of Agriculture Research, Distance Education Council, Council of Scientific and Industrial Research [1(*)] , the Himachal Pradesh Private Educational Institutions Regulatory Commission etc. and includes the Government;

(o) "section" means a section of this Act;

(p) "sponsoring body" means the Kalgidhar Trust, Baru Sahib, District Sirmour, Himachal Pradesh, registered under the Indian Trust Act, 1882;

(q) "State" means State of Himachal Pradesh;

(r) "statutes", "ordinances" and "regulations" means respectively, the statutes, ordinances and regulations of the University made under this Act;

(s) "student" means a person enrolled in the University for taking a course of study for a degree, diploma or other academic distinction instituted by the University, including a research degree;

(t) "study centre" means a centre established and maintained or recognized by the University for the purpose of advising, counseling or for rendering any other assistance required by the students in the context of distance education;

(u) "teacher" means a Professor, Reader, Lecturer or any other person required to impart education or to guide research or to render guidance in any form to the students for pursuing a course of study of the University; and

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[1](*) The words and sign ", the Himachal Pradesh Private Educational Institutions Regulatory Commission" Ins. By Act No. 23 of 2012, Sec.2(a) (w.e.f. 3-5-2012)

(v) "University" means Eternal University, Himachal Pradesh, Baru Sahib.

(w) [1](*)"Regulatory Commission" means the Himachal Pradesh Private Educational Institutions Regulatory Commission, established under section 3 of the Himachal Pradesh Private Educational Institutions (Regulatory Commission) Act, 2010 (Act No. 15 of 2011)".

3. The objects of the University shall include, -- The objects of the University

(a) to provide instructions, teaching and training in higher education with a view to create higher levels of intellectual abilities;

(b) to establish facilities for education and training;

(c) to carry out teaching, research and offer continuing education programmes;

(d) to create centres of excellence for research and development relevant to the needs of the State and for sharing knowledge and its application;

(e) to establish campus in the State;

(f) to establish examination centres;

(g) to institute degrees, diplomas, certificates and other academic distinctions on the basis of examination or any such other method; while doing so, the University shall ensure that the standards of degrees, diplomas, certificates and other academic distinctions are not lower than those laid down by regulating bodies; and

(h) to set up off campus centres, subject to applicable rules or regulations.

(i) [2](**)to engage in area of specialization with proven ability to make distinctive contributions to the objectives of the University education system that is academic engagement clearly distinguishable from programmes of an ordinary nature that lead to conventional degrees in arts, science, engineering, medicine, dental, pharmacy, management, etc. routinely offered by conventional institutions; and

(j) [3](***)to establish broad-based and viable under graduate, post graduate and research programmes in several disciplines with firm interdisciplinary orientation and linkages.

(k) [4](****) to make the University functional within one year from the date of commencement of this Act.

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[1](*) Clause "w" Ins. by Act No. 23 of 2012, Sec. 2 (b)(w.e.f. 3-5-2012)

[2](**) Clause "i" Ins. by Act No. 23 of 2012, Sec. 3 (w.e.f. 3-5-2012)

[3](***) Clause "j" Ins. by Act No. 23 of 2012, Sec. 3 (w.e.f. 3-5-2012)

[4](****) Clause "k" Ins. by Act No. 7 of 2013, Sec. 2 (w.e.f. 29-4-2008)

Incorpora-tion

4. (1) The first Chancellor and the first Vice-Chancellor of the University and the first members of the Governing body, Board of Management and the Academic Council and all persons who may hereafter become such officers or members, so long as they continue to hold such office or membership, are hereby constituted a body corporate by the name of Eternal University Himachal Pradesh, Baru Sahib.

(2) The University shall have perpetual succession and a common seal and shall sue and be sued by the said name.

(3) The University shall situate and have its headquarter at Baru Sahib, District Sirmour, Himachal Pradesh.

Powers and functions

[1](*) **5.**(1)The University shall have the following powers and functions Namely :-

(i) to provide for instructions [2](**) in such branches of learning as the University may, from time to time, determine, and to make provision for research and for advancement and dissemination of knowledge and for extension education;

(ii) to conduct innovative experiments in modern methods and technologies in the field of technical education in order to maintain international standards of such education, training and research;

(iii) to organize and to undertake extra-mural teaching and extension services;

(iv) to hold examinations and grant diplomas and certificates to and confer degrees and other academic distinctions on persons, subject to recognition by any statutory body under any law, if required, and to withdraw any such diplomas, certificates, degrees or other academic distinctions for good and sufficient cause;

(v) [3](***) the sponsoring body/university shall appoint full time regular employees for the university and the salary of the employees shall be deposited in the bank account of the employees every month;

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[1](*) The brackets and figure "(1)" have been Ins. by Act No. 17 of 2011, Sec. 2 (a) w.e.f. 31-1-2011.

[2] (**) The words "including the method of distant education" omitted by Act No. 17 of 2011, Sec. 2 (b) w.e.f. 31-1-2011.

[3](***) Substituted by Act No. 17 of 2011, Sec 2 (c). Earlier clause (v) stood as under:

"(v) to confer honorary degrees or other academic distinctions;"

(vi) to create such teaching, administrative and other posts as the University may deem necessary, from time to time, and make appointments thereto;

(vii) to institute and award Fellowships, Studentships and Prizes;

(viii) to establish and maintain Hostel including Halls, recognise guide, supervise and control Hostels including Halls not maintained by the University and other accommodation for the residence of the students, and to withdraw any such recognition;

(ix) to regulate and enforce discipline among students and employees of the University and to take such disciplinary measures as may be deemed necessary;

(x) to make arrangements for promoting health and general welfare of the students and the employees of the University and of the Colleges;

(xi) to determine the criterion for admission into the University or its Colleges;

(xii) to recognize for any purpose, either in whole or in part, any institution or members or students thereof on such terms and conditions as may, from time to time, be specified and to withdraw such recognition;

(xiii) to develop and maintain twinning arrangement with centers of excellence in modern advanced technology in the developed countries for higher education training and research, including distance education subject to the University Grants Commission Act and the regulations made thereunder;

(xiv) to co-operate with any other University, authority or association or any public body having purposes and objects similar to those of the University for such purposes as may be agreed upon, on such terms and conditions as may, from time to time, be specified by the University;

(xv) to co-operate with other National and International institutions in the conduct of research and higher education subject to the University Grants Commission Act and the regulations made thereunder;

(xvi) to deal with property belonging to or vested in the University in any manner which is considered necessary for promoting the objects of the University;

(xvii) to enter into any agreement for the incorporation in the University of any institution and for taking over its rights, properties and liabilities and for any other purpose not repugnant to this Act;

(xviii) to demand and receive payment of such fees and other charges as may be specified from time to time;

(xix) to receive donations and grants [1](*) except from parents and students and to acquire, hold, manage and dispose of any property, movable or immovable, including trust or endowed property within or outside Himachal Pradesh for the purposes and objects of the University, and to invest funds in such manner as the University thinks fit;

(xx) to make provisions for research and advisory services and for that purpose to enter into such arrangements with other institutions or bodies as the University may deem necessary;

(xxi) to provide for the printing, reproduction and publication of research and other work, including text books, which may be issued by the University;

(xxii) to accord recognition to institutions and examinations for admission into the University;

(xxiii) to do all such other things as may be necessary, incidental or conducive to the attainment of all or any of the objects of the University;

(xxiv) to frame statutes, ordinances and regulations for carrying out the objects of the University in accordance with the provisions of the Act;

(xxv) to provide for dual degrees, diplomas or certificates vis-à-vis other Universities on reciprocal basis within and outside the country;

(xxvi) to make provisions for integrated courses in different disciplines in the educational programmes of the University;

(xxvii) [2](**) to set-up colleges, institutions, off-campus centres, off-shore campus, study centres or to start distance education, after fulfilling the norms and regulations of the Central Government Regulatory Bodies and Central Government, issued from time to time, and after obtaining the specific approval of the State Government;

(xxviii) to seek collaboration with other institutions on mutually acceptable terms and conditions;

(2) In pursuit of its objects and in exercise of its powers and in performing of its functions, the University shall not discriminate between any person, whosoever, on the basis of caste, class, colour, creed, sex, religion or race.

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[1](*) The words "except from parents and students" Ins. By Act No. 17 of 2011, Sec. 2 (d) (w.e.f. 31-1-2011)

[2](**) Substituted by Act No. 17 of 2011, Sec 2 (e). Earlier clause (xxvii) stood as under:

"(xxvii) to setup colleges, institutions, off-campus centers, off-shore campus, study centres as per the instructions issued by the State Government, Central Government and University Grants Commission from time to time;"

6. The University shall be self-finances and it shall not be entitled to receive any grant or other financial assistance from the Government. University to be self-financed

7. The University shall have no power to affiliate or otherwise admit to its privileges any other institution. No power of affiliation

8. (1) The sponsoring body shall establish and Endowment Fund for the University with an amount of three crores rupees which shall be pledged to the Government. Endowment Fund

(2) The Endowment Fund shall be kept as security deposit to ensure strict compliance of the provisions of this Act, rules, regulations, statues or ordinances made thereunder.

(3) The Government shall have the powers to forfeit, in the prescribed manner, a part or whole of the Endowment Fund in case the University or the sponsoring body contravenes any of the provisions of this Act, rules, statutes, ordinances or regulations made thereunder.

(4) Income from Endowment Fund shall be utilised for the development of infrastructure of the University but shall not be utilised to meet out the recurring expenditure of the University.

(5) The amount of Endowment Fund shall be kept invested, until the dissolution of the University, by way of Fixed Deposit Accounts in any Scheduled Bank subject to the condition that this Fund shall not be withdrawn without the permission of the Government.

9. University shall establish a fund, which shall be called the General Fund to which following shall be credited, namely:-- General Fund

(a) fees and other charges received by the University;
(b) any contribution made by the sponsoring body;
(c) any income received from consultancy and other works undertaken by the University;
(d) bequests, donations, [1](*) except from parents and students, endowments and any other grants; and
(e) all other sums received by the University.

10. The General Fund shall be utilized for the following purposes, namely:-- Application of General Fund

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[1](*) The words and sign "except from parents and students," Ins. By Act No. 17 of 2011, Sec. 3 (w.e.f. 31-1-2011)

(a) for the payment of salaries and allowances of the employees of the University and members of the teaching and research staff, and for payment of any Provident Fund contributions, gratuity and other benefits to such officers and employees;
(b) for the expenses to be incurred by the University for services availed including services like electricity, telephone etc;
(c) for the payment of taxes or local levies wherever applicable;
(d) for up keeping of the assets of the University;
(e) for the payment of debts including interest charges thereto incurred by the University;
(f) for the payment of travelling and other allowances to the members of the Governing Body, the Board of Management, the Academic Council etc;
(g) for the payment of fellowships, freeships, scholarships, assistantships and other awards to students belonging to economically weaker sections of the society or research associates or trainees, as the case may be, or to any student otherwise eligible for such awards under the statutes, ordinances, regulations or rules made under this Act;
(h) for the payment of the cost of audit of the funds created under sections 8 and 9 of this Act;
(i) for the meeting of expenses of any suit or proceedings to which University is a party;
(j) for the purpose of movable and immovable assets;
(k) for the payment of any expenses incurred by the University in carrying out the provisions of this Act or the statutes, ordinances, regulations or rules made thereunder; and
(l) for the payment of any other expenses as approved by the Board of Management to be an expense for the purposes of the University;

Provided that no expenditure shall be incurred by the University in excess of the limits for total recurring expenditure and total non-recurring expenditure for the year, as may be fixed by the Board of Management, without its prior approval;

Provided further that the General Fund shall, for the purpose specified under sub-clause (e), be applied with the prior approval of the Governing Body.

[1](*) Provided further that no portion of income and property of the University shall be paid or transferred directly or indirectly, by way of dividend, bonus or otherwise, howsoever, by way of profit to the persons who were at any time or are members of the University or to any of them or any person claiming through them; provided that nothing herein contained shall prevent the payment in good faith of remuneration to any member thereof or other person as consideration for any service rendered to the University or for travelling or other allowances and such other charges.

Officers of the University

11. The following shall be the officers of the University, namely:--

(i) the Chancellor;
(ii) the Vice-Chancellor;
(iii) the Registrar;
(iv) the Chief Finance and Accounts Officer; and
(v) such other persons in the service of the University as may be declared by the statutes to be the officers of the University

The Chancellor

12. (1) The Chancellor shall be appointed by the sponsoring body for a period of three years, with the approval of the Government in such manner and on such terms and conditions as may be specified by the statues.

(2) the Chancellor shall be the Head of the University.

(3) The Chancellor shall preside over at the meetings of the Governing Body and convocation of the University for conferring degrees, diplomas or other academic distinctions.

(4) The Chancellor shall have the following powers, namely:--

(a) to call for any information or record;
(b) to appoint the Vice-Chancellor;
(c) to remove the Vice-Chancellor in accordance with the provisions of sub-section (7) of section 13 of this Act; and
(d) such other powers as may be specified by the statutes.

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[1](*) Ins. By Act No. 23 of 2012, Sec. 4 (w.e.f. 3-5-2012)

The Vice-Chancellor

13. (1) The Vice-Chancellor shall be appointed by the Chancellor, on such terms and conditions as may be specified by the statues, from a panel of three persons recommended by the Governing Body and shall, subject to the provisions contained in sub-section (7), hold office for a term of three years:

Provided that after the expiry of the term of three years, a person shall be eligible for re-appointment for another term of three years:

Provided further that Vice-Chancellor shall continue to hold office even after expiry of his term till new Vice-Chancellor joins, however, in any case, this period shall not exceed one year.

(2) The Vice-Chancellor shall be the principal executive and academic officer of the University and shall have the general superintendence and control over the affairs of the University and shall execute the decisions of various authorities of the University.

(3) The Vice-Chancellor shall preside over at the convocation of the University in the absence of the Chancellor.

(4) If, in the opinion of the Vice-Chancellor, it is necessary to take immediate action on any matter for which powers are conferred on any other authority by or under this Act, he may take such action as he deems necessary and shall, at the earliest opportunity thereafter, report his action to such officer or authority as would have in the ordinary course dealt with the matter:

Provided that if in the opinion of the concerned officer or authority such action should not have been taken by the Vice-Chancellor, then such case shall be referred to the Chancellor, whose decision thereon shall be final.

(5) If, in the opinion of the Vice-Chancellor, any decision of any authority of the University is outside the powers conferred by this Act or statutes, ordinances, regulations or rules made thereunder or is likely to be prejudicial to the interests of the University, he shall request the concerned authority to revise its decision within fifteen days from the date of decision and in case the authority refuses to revise such decision wholly or partly or fails to take any decision within fifteen days, then such matter shall be referred to the Chancellor and his decision thereon shall be final.

(6) The Vice-Chancellor shall exercise such powers and perform such duties as may be specified by the statutes or the ordinances.

(7) If at any time upon representation made or otherwise and after making such inquiry as may be deemed necessary, the situation so warrants and if the continuance of the Vice-Chancellor is not in the interests of the University, the Chancellor may, by an order in writing stating the reasons therein, ask the Vice-Chancellor to relinquish his office from such date as may be specified in the order:

Provided that before taking an action under this sub-section, the Vice-Chancellor shall be given an opportunity of being heard.

The Registrar

14. (1) The Registrar shall be appointed by the Chancellor in such manner and on such terms and conditions of service as may be specified by the statutes.

(2) The Registrar shall have power to enter into agreement, contract, sign documents and authenticate records on behalf of the University and shall exercise such powers and perform such duties as may be specified by the statutes.

(3) The Registrar shall be the Member-Secretary of the Governing Body, Board of Management and Academic Council, but shall not have the right to vote.

The Chief Finance and Accounts Officer

15. (1) The Chief Finance and Accounts Officer shall be appointed by the Chancellor in such manner and on such terms and conditions of service as may be specified by the statutes.

(2) The Chief Finance and Accounts Officer shall exercise such powers and perform such duties as may be specified by the statutes.

Other officers

16. (1) The University may appoint such other officers as may be necessary for its functioning.

(2) The manner of appointment of other officers of the University and their powers and functions shall be such as may be specified by the statutes.

Authorities of University

17. The following shall be the authorities of the University, namely:-

(i) the Governing Body;
(ii) the Board of Management;
(iii) the Academic Council; and
(iv) such other authorities as may be declared by the statutes to be the authorities of the University.

The Governing body

18. (1) The Governing Body of the University shall consist of the following, namely:--

(a) the Chancellor;
(b) the Vice-Chancellor;
(c) [1](*) three persons, nominated by the sponsoring body out of whom two shall be eminent educationists;
(d) one expert of management or information technology from outside the University, nominated by the Chancellor;
(e) two person, nominated by the Government; and
(f) two members of the State Legislative Assembly, to be elected by the State Legislature.

(2) The Governing Body shall be the supreme authority of the University.

(3) The Governing Body shall have the following powers, namely:-

(a) to provide general superintendence and directions and to control functioning of the University by using all such powers as are provided by this Act or the statutes, ordinances, regulations or rules made thereunder;
(b) to review the decisions of other authorities of the University in case they are not in conformity with the provisions of this Act or the statutes, ordinances, regulations or rules made thereunder;
(c) to approve the budget and annual report of the University;
(d) to lay down the policies to be followed by the University;
(e) to recommend to the sponsoring body about the voluntary liquidation of the University if a situation arises when smooth functioning of the University does not remain possible, in spite of all efforts; and
(f) such other powers as may be prescribed by the statutes.

(4) The Governing Body shall meet at least thrice in a calendar year.

(5) The quorum for meetings of the Governing Body shall be five.

[1](*) The word "five" Substituted by the word "three" by Act No. 23 of 2012, Sec 5 (w.e.f. 3-5-12)

19. (1) The Board of Management shall consist of the following members, namely:-- The Board of Management

(a) the Vice-Chancellor;

(b) (*) Deans of faculties not exceeding two (by rotation based on seniority);

(c) (*) two persons, nominated by the sponsoring body from amongst eminent educationists or from management field;

(d) (*) two eminent academicians to be nominated by the Government in consultation with the Regulatory Commission;

(e) (**) two persons from amongst the teachers (from Professors, Associate Professors), by rotation based on seniority; and

(f) (**) the Registrar shall be the Member Secretary.

(2) The Vice-Chancellor shall be the Chairperson of the Board of Management.

(3) The powers and functions of the Board of Management shall be such as may be specified by the statutes.

(4) The Board of Management shall meet at least once in every two months.

(5) The quorum for meetings of the Board of Management shall be five.

(6) (***) The Board of Management of the University shall be independent of the Sponsoring Body with full autonomy to perform its academic and administrative functions.

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1. (*) clauses (b) to (d) of sub-section (1) substituted by Act No. 23 of 2012, Sec 6 (w.e.f. 3-5-2012). Earlier in sub-section (1), the clauses (b) to (d) stood as under:

(b) two members of the Governing Body, nominated by the sponsoring body;

(c) three persons, who are not the members of the Governing Body, nominated by the sponsoring body; and

(d) three persons from amongst the teachers, nominated by the sponsoring body.

2. (**), (**) clauses (e) and (f) Ins. By Act No. 23 of 2012, Sec. 6 (b) (w.e.f. 3-5-2012)

3. (***) Sub-section (6) inserted by Act No. 23 of 2012, Sub 6 (c).

The Academic Council

20. (1) The Academic Council shall consist of the Vice-Chancellor and such other members as may be specified by the statutes.

(2) The Vice-Chancellor shall be the Chairperson of the Academic Council.

(3) The Academic Council shall be the principal academic body of the University and shall, subject to the provisions of this Act and the rules, statutes and ordinances made thereunder, co-ordinate and exercise general supervision over the academic policies of the University.

(4) The quorum for meetings of the Academic Council shall be such as may be specified by the statutes.

Other authorities

21. The composition, constitution, powers and functions of other authorities of the University shall be such as may be specified by the statutes.

Disqualifi-cations

22. A person shall be disqualified for being a member of any of the authorities or bodies of the University, if he, --

(a) is of unsound mind and stands so declared by a competent court; or
(b) is an undischarged insolvent; or
(c) has been convicted of any offence involving moral turpitude; or
(d) is conducting or engaging himself in private coaching classes; or
(e) has been punished for indulging in or promoting unfair practice in the conduct of any examination, in any form, anywhere.

Vacancies not to invalidate the proceed-ings of any authority or body of the University

23. No act or proceeding of any authority or body of the University shall be invalid merely by reason of any vacancy or defect in the constitution thereof.

Filling of casual vacancies

24. In case there occurs any casual vacancy in any authority or body of the University, due to death, resignation or removal of a member, the same shall be filled, as early as possible, by the person or body who appoints or nominates the member whose place become vacant and person appointed or nominated to a casual vacancy shall be a member of such authority or body for the residue of the term for which the person whose place he fills would have been member.

Committees

25. (1) The authorities or officers of the University may constitute committees with such terms of reference as may be necessary for specific tasks to be performed by such committees.

(2) The constitution of such committees and their duties shall be such as may be specified by the statutes.

The First Statutes

26. (1) Subject to the provisions of this Act, and the rules made thereunder, the First Statutes of the University may provide for all or any of the following matters, namely:--

(a) the constitution, powers and functions of the authorities and other bodies of the University as may be constituted from time to time;

(b) the terms and conditions of appointment of the Vice-Chancellor and his powers and functions;

(c) the manner of appointment and terms and conditions of service of the Registrar and Chief Finance and Accounts Officer and their powers and functions;

(d) the manner of appointment and terms and conditions of service of the employees and their powers and functions;

(e) the terms and conditions of service of employees of the University;

(f) the procedure for arbitration in case of disputes between employees, students and the University;

(g) [1](*)

(h) the provisions regarding exemption of students from payment of tuition fee and for awarding to them scholarships and fellowships;

(i) provisions regarding the policy of admissions, including regulation of reservation of seats;

(j) provisions regarding fees to be charged from the students; and

(k) provisions regarding number of seats in different courses.

(2) The Fist Statutes shall be made by the Government and published in the Official Gazette and a copy thereof shall be laid before the State Legislative Assembly.

The subsequent statutes

27. (1) Subject to the provisions of this Act and the rules made thereunder, the subsequent statutes of the University may provide for all or any of the following matters, namely:--

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1. **The clause (g) has been omitted by Act No. 17 of 2011, Sec. 4; Before omission, clause (g) in Sec. 26 stood as under:**

[1](*) "(g) the conferment of honorary degrees;"

(a) creation of new authorities of the University;
(b) accounting policy and financial procedure;
(c) representation of teachers in the authorities of the University;
(d) creation of new departments and abolition or restructuring of existing department;
(e) institution of medals and prizes;
(f) creation of posts and procedure for abolition of posts;
(g) revision of fees;
(h) alteration of the number of seats in different syllabi; and
(i) all other matters which under the provisions of this Act are to be specified by the statutes.

(2) The statutes of the University other than the First Statutes shall be made by the Board of Management with the approval of the Governing Body.

(3) The Board of Management may, from time to time, make new or additional statutes or may amend or repeal the statutes so made in the manner hereinafter provided in this section:

Provided that Board of Management shall not make any statute or any amendment of the statute affecting the status, powers or constitution of any existing authority of the University until such authority has been given an opportunity of expressing an opinion on the proposal and any opinion so expressed shall be in writing and shall be considered by the Governing Body.

(4) Every such statute or addition to the statutes or any amendment or repeal of the statutes shall be subject to the approval of the Government:

Provided that no statute shall be made by the Board of Management affecting the discipline of students and standards of instruction, education and examination except in consultation with the Academic Council.

The First Ordinances

28. (1) Subject to the provisions of this Act or the rules or statutes made thereunder, the Board of Management may make such First Ordinances with the approval of the Governing Body as it deems appropriate for the furtherance of the objects of the University and such ordinances may provide for all or any of the following matters, namely:--

(a) the admission of students to the University and their enrolment as such;
(b) the courses of study to be laid down for the degrees, diplomas and certificates of the University;
(c) the award of the degrees, diplomas, certificates and other academic distinctions, the minimum qualifications for the same and the means to be taken relating to the granting and obtaining of the same;

(d) the conditions for awarding of fellowships, scholarships, stipends, medals and prizes;

(e) the conduct of examinations, including the terms of office and manner of appointment and the duties of examining bodies, examiners and moderators;

(f) fees to be charged for the various courses, examinations, degrees and diplomas of the University;

(g) the conditions of residence of the students in the hostels of the University;

(h) provision regarding disciplinary action against the students;

(i) the creation, composition and functions of any other body which is considered necessary for improving the academic life of the University;

(j) the manner of co-operation and collaboration with other Universities and institutions of higher education; and

(k) all other matters which by this Act or statutes made thereunder are required to be provided by the ordinances.

(2) The Board of Management shall either modify the ordinances incorporating the suggestion of the Governing Body or give reasons for not incorporating any of the suggestions made by the Governing Body and shall return the ordinances alongwith such reasons, if any, to the Governing Body and on receipt of the same, the Governing Body shall consider the comments of the Board of Management and shall approve the ordinances of the University with or without such modifications and then the ordinances, as approved by the Governing Body shall come into force.

The subsequent ordinances

29. (1) All ordinances other than the First Ordinances shall be made by the Academic Council which after being approved by the Board of Management shall be submitted to the Governing Body for its approval.

(2) The Academic Council shall either modify the ordinances incorporating the suggestions of the Board of Management and the Governing Body or give reasons for not incorporating the suggestions, and shall return the ordinances alongwith such reasons, if any, the Board of Management and the Governing Body shall consider the comments of the Academic Council and shall approve the ordinances of the University with or without such modification and then the ordinances, as approved by the Governing Body shall come into force.

Regulations

30. The authorities of the University may, subject to the prior approval of the Board of Management, make regulations, consistent with this Act, the rules, statutes and the ordinances made thereunder, for the conduct of their own business and of the committees appointed by them.

Admission

31. (1) Admission in the University shall be made strictly on the basis of merit.

(2) Merit for admission in the University may be determined either on the basis of marks or grade obtained in the qualifying examination for admission and achievements in co-curricular and extra-curricular activities or on the basis of marks or grade obtained in the entrance test conducted at State level either by an association of the Universities conducting similar courses or by any agency of the State:

Provided that admission in professional and technical courses shall be made only through entrance test.

(3) Seats for admission in the University, for the students belonging to Scheduled Castes, Scheduled Tribes and Other Backward Classes and handicapped students, shall be reserved as per the policy of the State Government.

(4) At least 25% seats for admission to each course shall be reserved for students who are bonafide Himachalis.

(5) [1](*)The University shall seek prior approval of the [2(**)] Regulatory Commission for admitting new students in subsequent years in the existing courses or for starting new courses which shall be subject to recommendations of the inspection committee set up for the purpose. This shall be applicable till the first batch of final year students are admitted.

Fee structure

32. (1) The University may, from time to time, prepare and revise, its fee structure and send it to the Government for its approval [4](****) before 31st December of every preceding academic year alongwith the approval of courses granted by the Regulatory Commission and the Government shall convey the approval within [3](***) three months from the receipt of the proposal;

[5](*****)

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[1](*) Ins. By Act No. 17 of 2011, Sec. 5 (w.e.f. 31-1-2011)

[2](**) The words "State Government" Substituted by the words "Regulatory Commission" by Act No. 23 of 2012, Sec 7 (w.e.f. 3-5-2012)

[3](***) The words "one month" wherever these occur Substituted by the words "three months" by Act No. 17 of 2011, Sec. 6 (w.e.f. 31-1-2011)

[4](****) Ins. by Act No. 23 of 2012, Sec 8 (w.e.f. 3-5-2012)

[5](*****) the first proviso appearing below sub-section (1) has been omitted by Act No. 23 of 2012, Sec 8 (w.e.f. 3-5-2012); before omission, first proviso appearing below sub-section (1) stood as under:

"Provided that if the approval of the Government is not conveyed within one month, it shall be deemed to have been approved by the Government:"

Provided that the fee structure for each course shall be decided before the issue of prospectus and shall be reflected in the prospectus:

Provided further that the fee structure shall not be revised or modified during the academic year.

(2) The fee structure prepared by the University shall be considered by a committee to be constituted by the State Government, in the manner as may be prescribed, which shall submit its recommendations to the Government after taking into consideration whether the proposed fee is, --

(a) Sufficient for generating ---

(i) Resources for meeting the recurring expenditure of the University; and

(ii) The savings required for the further development of the University; and

(b) Not unreasonably excessive.

(3) After receipt of the recommendations under sub-section (2), if the Government is satisfied, it may approve the fee structure.

(4) The fee structure approved by the Government under sub-section (3) shall remain valid until next revision.

Examinations

33. At the beginning of each academic session and in any case not later than 30th of August of every calendar year, the University shall prepare and publish a semester-wise or annual, as the case may be, Schedule of Examinations for each and every course conducted by it and shall strictly adhere to such Schedule.

Explanation:- Schedule of Examination means a table giving details about the time, day and date of the commencement of each paper which is a part of a Scheme of Examinations and shall also include the details about the practical examinations:

Provided that if, for any reason whatsoever, University is unable to follow this Schedule, it shall, as soon as practicable, submit a report to the [1](*)Regulatory Commission giving the detailed reasons for making a departure from the published Schedule of Examination. The [1](*) Regulatory Commission may, thereon, issue such directions as it may deem fit for better compliance in future.

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[1](*) The word "Government" Substituted by the words "Regulatory Commission" by Act No. 23 of 2012, Sec 9 (w.e.f. 3-5-2012)

Declaration of results

34. (1) The University shall strive to declare the results of every examination conducted by it within thirty days from the last date of the examination for a particular course and shall in any case declare the results latest within forty-five days from such date:

Provided that if, for any reason whatsoever, the University is unable to finally declare the results of any examination within the period of forty-five days, it shall submit a report incorporating the detailed reasons for such delay to the [1](*) Regulatory Commission. The [1](*) Regulatory Commission may, thereon, issue such directions as it may deem fit for better compliance in future.

(2) No examination or the results of an examination shall be held invalid only for the reasons that the University has not followed the Schedule of Examination as stipulated in section 33 and in this section.

Convocation

35. The convocation of the University shall be held in every academic year in the manner as may be specified by the statutes for conferring degrees, diplomas or for any other purpose.

36. [2](**) **Accreditation of the University:-** The University shall obtain accreditation from the National Council of Assessment and Accreditation (NAAC), Bangalore, as per the guidelines issued by the National Assessment and Accreditation Council from time to time and inform the Government and such other regulating bodies which are connected with the courses taken up by the University about the grade provided by NAAC to the University and the University shall get renewed such accreditation after such period as may be prescribed.

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[1](*) The word "Government" Substituted by the words "Regulatory Commission" by Act No. 23 of 2012, Sec 10 (w.e.f. 3-5-2012)

[2](**) Substituted by Act No. 23 of 2012, Sec 11 (w.e.f. 3-5-2012). Earlier Sec. 36 stood as under:

"The University shall obtain accreditation from the National Council of Assessment and Accreditation (NAAC), Bangalore within three years of its establishment and inform the Government and such other regulating bodies which are connected with the courses taken up by the University about the grade provided by NAAC to the University and the University shall get renewed such accreditation at an interval of every five years thereafter."

University to follow rules, regulations, norms etc. of the regulating bodies

37. Notwithstanding anything contained in this Act, the University shall be bound to comply with all the rules, regulations, norms, etc. of the regulating bodies and provide all such facilities and assistance to such bodies as are required by them to discharge their duties and carry out their functions.

Annual report

38. (1)The annual report of the University shall be prepared by the Board of Management which shall include among other matters, the steps taken by the University towards the fulfillment of its objects and shall be approved by the Governing Body and copy of the same shall be submitted to the sponsoring body.

(2) Copies of the annual report prepared under sub-section (1) shall also be presented to [1](*) the Regulatory Commission and the Government.

Annual accounts and audit

39. (1)The annual accounts including balance sheet of the University shall be prepared under the directions of the Board of Management and the annual accounts shall be audited at least once in every year by the auditors appointed by the University for this purpose.

(2) A copy of the annual accounts together with the audit report shall be submitted to the Governing Body.

(3) A copy of the annual accounts and audit report alongwith the observations of the Governing Body shall be submitted to the sponsoring body.

(4) Copies of annual accounts and balance sheet prepared under sub-section (1) shall also be presented to the [2](**) Regulatory Commission and the Government.

(5) The advice of the [3](***) Regulatory Commission and the Government, if any, arising out of the accounts and audit report of the University shall be placed before the Governing Body and the Governing Body shall issue such directions, as it may deem fit and compliance thereof shall be reported to the [3](***) Regulatory Commission and the Government.

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[1](*) The words "the Regulatory Commission and" Ins. By Act No. 23 of 2012, Sec. 12 (w.e.f. 3-5-2012)

[2](**) The words "Regulatory Commission and the " Ins. By Act No. 23 of 2012, Sec. 13 (a) (w.e.f. 3-5-2012)

[3](***) The word "Government" Substituted by the words "Regulatory Commission and the Government" by Act No. 23 of 2012, Sec 13 (b) (w.e.f. 3-5-2012)

Powers of the Government to inspect the University

40. (1)For the purpose of ascertaining the standards of teaching, examination and research or any other matter relating to the University, the Government [2](**) or the Regulatory Commission may, [1](*) cause an assessment to be made in such manner as may be prescribed, by such person or persons as it may deem fit.

(2) The Government [3](***) or the Regulatory Commission, as the case may be, shall communicate to the University its recommendations in regard to the result of such assessment for corrective action and the University shall take such corrective measures as are necessary so as to ensure the compliance of the recommendations.

(3) If the University fails to comply with the recommendations made under sub-section (2) within a reasonable time, the Government [3](***) or the Regulatory Commission, as the case may be, may give such directions as it may deem fit which shall be binding on the University.

Dissolution of the University by the sponsoring body

41. (1) The sponsoring body may dissolve the University by giving a notice to this effect to the Government, the employees and the students of the University at least one year in advance:

Provided that dissolution of the University shall have effect only after the last batches of students of the regular courses have completed their courses and they have been awarded degrees, diplomas or awards, as the case may be.

(2) On the dissolution of the University all the assets and liabilities of the University shall vest in the sponsoring body:

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[1](*) The words "after consultation with the Vice-Chancellor," omitted by Act No. 17 of 2011, Sec. 7 (w.e.f. 31-1-2011).

[2](**) The words "or the Regulatory Commission" Ins. By Act No. 23 of 2012, Sec. 14 (a) (w.e.f. 3-5-2012)

[3](***) The words "or the Regulatory Commission, as the case may be," Ins. By Act No. 23 of 2012, Sec. 14 (b) (w.e.f. 3-5-2012)

Provided that in case the sponsoring body dissolves the University before [1](*) fifty years of its establishment all the assets of the University [2](**) including assets of the sponsoring body pertaining to the University shall vest in the Government free from all encumbrances.

Special powers of the Government in certain circum-stances

42. (1)If it appears to the Government that the University has contravened any of the provisions of this Act or the rules, statutes or ordinances made thereunder or has contravened any of the directions issued by it under this Act or has ceased to carry out any of the undertakings given under sub-section (1) of section 5 of the Himachal Pradesh Private Universities (Establishment and Regulation) Act, 2006 or a situation of financial mis-management or mal-administration has arisen in the University, it shall issue notice requiring the University to show cause within forty five days as to why an order of its liquidation should not be made.

12 of 2006

(2) If the Government, on receipt of reply of the University on the notice issued under sub-section (1), is satisfied that there is a prima facie case of contravening all or any of the provisions of this Act or the rules, statutes or ordinances made thereunder or of contravening directions issued by it under this Act or of ceasing to carry out the undertaking given under sub-section (1) of section 5 of the Himachal Pradesh Private Universities (Establishment and Regulation) Act, 2006 or of financial mis-management or mal-administration, it shall make and order of such enquiry as it may consider necessary.

12 of 2006

(3) The Government shall, for the purpose of any enquiry under sub-section (2), appoint an inquiry officer or officers to inquire into any of the allegations and to make report thereon.

(4) The inquiry officer or officers appointed under sub-section(3) shall have the same powers as are vested in a civil court under the Code of Civil Procedure, 1908 while trying a suit in respect of the following maters, namely:--

5 of 1908

(a) summoning and enforcing the attendance of any person and examining him on oath;

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[1](*) The words "fifteen years" Substituted by the words "twenty five years" by Act No. 17 of 2011, Sec 8 (w.e.f. 31-1-2011). The words "twenty five years" substituted by the words "fifty years" by Act No. 30 of 2013, Sec. 2 (w.e.f. 24-5-2013)

[2](**) The words "including assets of the sponsoring body pertaining to the University" Ins. By Act No. 7 of 2013, Sec. 3 (w.e.f. 5-1-2013).

(b) requiring the discovery and production of any such document or any other material as may be predicable in evidence;
(c) requisitioning any public record from any court or office; and
(d) any other matter which may be prescribed.

(5) The inquiry officer or officers inquiring under this Act, shall be deemed to be a civil court for the purposes of section 195 and Chapter 26 of the Code of Criminal Procedure, 1973. 2 of 1974

(6) On receipt of the enquiry report from the officer or officers appointed under sub-section(3), if the Government is satisfied that the University has contravened all or any of the provisions of this Act or the rules, statutes, or ordinances made thereunder or has violated any of the directions issued by it under this Act or has ceased to carry out the undertaking given by it under sub-section (1) of section 5 of the Himachal Pradesh Private Universities (Establishment and Regulation) Act, 2006 or a situation of financial mis-management and mal-administration has arisen in the University which threatens the academic standard of the University, it shall issue orders for the liquidation of the University and appoint an administrator. 12 of 2006

(7) The administrator appointed under sub-section (6) shall have all the powers and be subject to all the duties of the Governing Body and the Board of Management under this Act and shall administer the affairs of the University until the last batch of the students of the regular courses have completed their courses and they have been awarded degrees, diplomas or awards, as the case may be.

(8) After having awarded the degrees, diplomas or awards, as the case may be, to the last batches of the students of the regular courses, the administrator shall make a report to this effect to the Government.

(9) On receipt of the report under sub-section (8), the Government shall, by notification in the Official Gazette, issue an order dissolving the University and from the date of publication of such notification, the University shall stand dissolved and all the (*) assets of the University including assets of the sponsoring body pertaining to the University shall vest in the Government free from all encumbrances from such date.

(*) The word "assets and liabilities of the University shall vest in the sponsoring body" Substituted by the words "assets of the University including assets of the sponsoring body pertaining to the University shall vest in the Government free from all encumbrances" by Act No. 7 of 2013, Sec 4 (w.e.f. 5-1-2013).

43. (1)The Government may, by notification in the Official Gazette, make rules for carrying out the provisions of this Act. Power to make rules

(2) Without prejudice to the generality of the foregoing power, such rules may provide for all or any of the following matters, namely:-

(a) matter to be prescribed under clause (d) of sub-section(4) of section 42; and

(b) other matters which are required to be, or may be, prescribed by rules under this Act.

(3) All the rules made under this Act shall be laid, as soon as may be after they are so made, before the State Legislative Assembly, while it is in session, for a period of not less than ten days which may be comprised in one session or in two or more successive sessions and if before the expiry of the session in which it is so laid or the successive sessions aforesaid, the Legislative Assembly agrees in making modification in any of such rules or agrees that any such rules should not be made, such rules shall thereafter have effect only in such modified form or be of no effect, as the case may be, so however, that any such modification or annulment shall be without prejudice to the validity of anything previously done thereunder.

(44) (1) If any difficulty arises in giving effect to the provisions of this Act, the Government may, by order published in the Official Gazette, make provisions, not inconsistent with the provisions of this Act, as appear to it to be necessary or expedient for removing the difficulty. Power to remove difficulties

(2) Every order made under this section shall, as soon as may be after it is made, be laid before the State Legislative Assembly.

(45) Notwithstanding repeal of the Himachal Pradesh Private Universities (Establishment and Regulation) Act, 2006, under the Chitkara University (Establishment and Regulation) Act, 2008, any action taken or anything done under the said Act so repealed shall be deemed to have been done or taken under the corresponding provisions of this Act. Savings

12 of 2006

(46) (1) The Eternal University (Establishment and Regulation) Ordinance, 2008 is hereby repealed. Repeal of Ordinance No. 4 of 2008 and savings.

(2) Notwithstanding such repeal any action taken or anything done under the Ordinance so repealed shall be deemed to have been done or taken under the corresponding provisions of this Act.

SECOND ORDINANCES

2014

ETERNAL UNIVERSITY

BARU SAHIB

Chapter I

Introduction

The Eternal University (EU) was eastablished as a non-profit institution by Baba Iqbal Singhji on 3 July 2008 at the Divine Valley of Baru Sahib (Sirmour, H.P.) to translate the vision of Sant Attar Singh Ji and Sant Teja Singh Ji. The Eternal University got formally established under the Himachal Pradesh Private University (Establishment & Regulation) Act 2006 and The Himachal Pradesh Government Act. no. 3 of 2009. Right to confer degrees was accorded as per the UGC public notice on private universities dated April 18, 2011. Keeping in view the standard of teaching and research and infrastructure developed by EU, different agencies of Government of India namely the All India Council of Technical Education (AICTE), Department of Scientific and Industrial Research (DSIR), Indian Nursing Council (INC), Defense Research and Development Organization (DRDO) and Department of Biotechnology (DBT) accorded recognition to the university and DBT and DRDO have awarded major research projects in the fields of Biotechnology and Chemistry, respectively. EU is an approved test center for Banking Examination by the Institute of Banking Personnel Selection, Mumbai. The university has established good national and international linkages by signing memorandum of understanding with National Institute of Technology, Hamirpur (H.P.), Wayne State University, Detroit, Michigan (USA) and Drexel University, Philadelphia (USA) for providing opportunities to students and teachers for mutual interaction and collaborative academic work. Eminent scholars and scientists of reputed international institutions from USA, Canada, UK, Denmark and Australia have shown keen interest in the teaching and research programmes of the university, some of them have visited and interacted with students and teachers of the University for developing academic collaborations.

High quality of teaching by qualified and experienced faculty as adjunct faculty members of the EU and the standard of living and discipline at the Divine Valley of Baru Sahib (District Sirmour) amid peaceful environment of the pristine valley along the river Giri in Shivalik Hills have attracted students from different parts of India and abroad and the first batch of 300 students from different disciplines i.e. B. Tech. (Computer Science & Engineering), B. Tech. (Electronics and Communication Engineering), B. A. (Hons.) Economics, B.Sc. (Nursing), B.A. (Hons.) Music, B.A. (Humanities) and M. Sc. (Chemistry) graduated in 2012, were awarded degrees and medals for their performance at the first convocation of the university held on 18 November 2012. In a short span of 3-4 years of its establishment the Eternal University has developed to the level of a well-recognized institute imparting knowledge and skills to students enabling them to get descent employment in reputed companies in India and abroad, service sector and public jobs and admission in reputed institutions for further education. Encouraged by the quality of teaching and to further foster the interaction with their *alma mater,* the Eternal University, the students who graduated in 2012 also organized an Alumni Association in November 2012 to enable them to continue to maintain strong bonds with their *alma mater* as well as among themselves.

The EU has adopted a unique model by pioneering a new concept of Value based education for imparting scientific education and skills along with moral, spiritual and cultural values so that the graduates turn out to be the outstanding citizens capable to serve and lead the humanity with universal brotherhood and eternal peace. The polluted environments of cities, growing alcohol and drug abuse, increasing material desires and immoral activities like cheating and corruption have not only deviated the people from true and honest living but have greatly afflicted the society. We need to protect our children and youth from such afflictions so that we are able to secure a better future for them. Social evils can only be curbed and cured by value based education by reinforcing moral and cultural values along with learning of scientific knowledge and skills. EU is the only such institution in the country which has designed curriculum and co-curricular activities of students to lay a strong foundation of scientific knowledge and to inculcate moral and cultural values at the Divine Valley of Baru Sahib away from the afflictions of cities and towns. It is well eastablished that women play more effective and multiple roles in the development of better humans and societies and importance of women education is well recognized. Therefore, the EU has decided to offer undergraduate degree programmes for girl students only with the hope that the value based education attained by them would help in transforming the societies and achieving peace and prosperity. Both boys and girls students are admitted in the post-graduate programmes.

The Eternal University (EU) at Baru Sahib has established following constituent colleges and schools.

1. Akal College of Arts and Sciences
2. Akal College of Divine Music and Spiritualism
3. Akal College of Engineering and Technology
4. Akal College of Nursing
5. Akal College of Education

6. Akal School of Economics
7. Akal School of Business Administration
8. Akal School of Biotechnology
9. Akal School of Chemistry
10. Akal School of Physics
11. Akal School of Public Health
12. Akal School of Psychology
13. Akal School of Renewable Energy

Each college and school is under the control of Dean of Studies who looks after the development, planning and execution of course curriculum, evaluation of performance and all day-to-day work relating to faculty and students. The faculty and staff of the college are under the control of the Dean of Studies who would ensure the smooth functioning of all units under him/her jurisdiction. Students are required to contact the Dean of Studies or his/her nominee of the college/school for any problem and clarification.

The EU is totally residential as all the students are required to live on the campus which has about 450 acres area at Baru Sahib (District Sirmour H.P.) with more than 100,000 square feet of covered area for offices, lecture, seminar and examination halls, auditorium, computer centre, library and laboratories of the constituent colleges, separate hostels for girls and boys, 200 beds multi-specialty hospital, playgrounds, sports and recreational facilities, guest houses for visitors and parents, shopping/market area, bank and post office etc. Well-furnished lecture halls with multi-media facilities and state-of-the-art fully equipped laboratories for teaching and research enable the faculty to effectively deliver the course contents. The academic environment at Baru Sahib is highly conducive to learning by the students whose performance is rated better than of the other universities.

The functioning of the Eternal University is governed under the university act and statues promulgated by the Government of Himachal Pradesh and by subsequent ordinances issued by the statutory authorities of the university. Rules and regulations pertaining to academic programmes for the students and related information are given in this 'Student Handbook'. The students are expected to become familiar to avoid problems during the course of their study in the university. As per provisions of the acts and statues of the Eternal University, Vice-Chancellor is empowered to suspend, abrogate, modify and frame new rules in the interest of work of the university in consultation with the Academic Council and Board of Management. Information given in this 'Student Handbook' is to guide students to understand their duties and responsibilities for successful completion of their studies and pursue career development.

Training and Placement Cell

The Training and Placement Cell of Eternal University handles all aspects of placements for the graduating students of all departments. Right from contacting companies to managing all logistics of arranging for tests, pre-placement talks and conducting final interviews the Training and Placement Cell officials and volunteers provide their apex possible assistance to the recruiters and students.

T&P Cell ensures the multifaceted development of students through diversified training modules eg. Workshops for enhancing the communication skills, group discussion techniques and written test which are the screening methods used by the organizations in present scenario. To develop a strong bond between industry and students, the T&P Cell arranges guest lectures from industry experts, onsite trainings, Industrial visits, Projects and other Industry-Institute interaction activities by keeping up to the expectations of both.

In order to enhance the employment skills of the students , they are offered in house trainings during semester breaks in various specialized fields under Cerified Trainers. After these trainings students can obtain various certifications which are valid Internationally. The list of various Industrial Expert Trainers, Courses offered in training and their duration are given below.

Sr. No.	Trainer	Course	Duration in Hours
1	Mr.Divakar Kohli	Asp.Net	120
2	Mr.Sanjit Singh	RHCE	184
3	Mr.Ashish Bansal	C and C++	80
4	Mr.Ashish	Embedded robotics	80
5	Mr.Jasmeet Singh	MCITP	200
6	Mr.Sudhir	CCNA	48
7	Mr.Adarsh Rajput	Microsoft SQL Server	80

Chapter II

1. FACULTIES/COLLEGES/SCHOOLS/ DEPARTMENTS *

First ordinances:

The item no.1 of first ordinances be substituted by item no 1.1 and 1.2 of the second ordinances

1.1 FACULTIES:

- Faculty of Engineering and Technology
- Faculty of Health and Applied Sciences
- Faculty of Divine Music and Spiritualism
- Faculty of Education
- Faculty of Arts and Science
- Faculty of Business Management and Commerce
- Faculty of Public Health
- Faculty of Economics
- Faculty of Psychology
- Faculty of Library and Information Science
- Faculty of Biotechnology
- Faculty of Food Technology
- Faculty of Renewable Energy
- Faculty of Agriculture

1.2 COLLEGES/ DEPARTMENTS/ SCHOOLS/ INSTITUTES

- Akal College of Engineering and Technology
- Akal College of Nursing
- Akal College of Divine Music and Spiritualism
- Akal College of Arts and Sciences
- Akal College of Education
- Akal College of Agriculture
- Akal School of Economics
- Akal School of Business Administration and Commerce
- Akal School of Chemistry
- Akal School of Physics
- Akal School of Biotechnology
- Akal School of Public Health
- Akal School of Renewal Energy
- Akal School of Food Technology

COLLEGE: For providing instructions leading to UG, PG, Degrees and Diplomas

SCHOOL: For providing instructions leading to UG (Hons.), PG Degrees and Postgraduate Diplomas.

DEPARTMENTS: Constituent Units of Colleges/ schools for imparting resident instructions.

2. COURSES OF STUDY

First ordinances

The item no.2 in 1st Ordinance of Academic Programme be substituted by item no. 2 'Courses of study' of Second Ordinances.

Academic Programmes

Akal College of Engineering and Technology (ACET)

(i). Bachelor of Technology in Electronics and Communications Engineering (ECE)
(ii). Bachelor of Technology in Computer Science Engineering (CSE)
(iii). Master of Technology in Electronics and Communications Engineering (M.Tech.- ECE)
(iv). Master of Technology in Computer Science Engineering (M.Tech.-CSE)

Akal College of Nursing (ACN)

(v). B.Sc (Nursing)
(vi). M.Sc (Nursing)

Akal College of Divine Music and Spiritualism (ACDMS)

(vii). Bachelor of Music
(viii). Master of Music

Akal School of Economics (ASE)

(ix). Bachelor of Arts (Honours School) in Economics.
(x). Master of Economics

Akal College of Arts and Science (ACAS)

(xi). Bachelor of Arts and Bachelor of Science (Medical/Non Medical)
(xii). Bachelor of Commerce
(xiii). Master of Arts (English)
(xiv). Master of Science (Mathematics)

Akal School of Business Administration and Commerce (ASBAC)

(xv). Master of Business Administration (MBA)

Akal School of Public Health (ASPUBH)

(xvi). Master of Public Health(MPH)
(xvii). Master of Hospital Administration

Akal School of Physics (ASPH)

(xviii). M.Sc. (Physics)
(xix). Ph.D. (Physics)
(xx). M.Sc. Renewal Energy
(xxi). Ph.D. Renewal Energy

Akal School of Chemistry (ASC)

(xxii). M.Sc. Chemistry
(xxiii). Ph.D Chemistry

Akal School of Biotechnology (ASB)

(xxiv). M.Sc. Biotechnology
(xxv). Ph.D. Biotechnology

Akal School of Food Technology (ASFT)

(xxvi). M.Sc..Food Technology

Akal College of Agriculture (ACA)

(xxvii). Bachelor of Science Agriculture (Hons.)

ACADEMIC PROGRAMMES OF THE ETERNAL UNIVERSITY

Sr. No.	Degree Programme	Minimum Residential Requirements in years	For girls or boys or Both	College/School of the Eternal University
Undergraduate Bachelor's Degree Courses				
1.	B.Tech. (CSE)	4	Girls Only	ACET
2.	B.Tech. (ECE)	4	Girls Only	ACET
3.	B.Tech.(Lateral Entry)	3	Girls Only	ACET
4.	B.Sc. Nursing	4	Girls Only	ACN
5.	B.A. Hons. (Economics)	3	Girls Only	ASE
6.	B.A. (Music)	3	Girls Only	ACDMS
7.	B.Sc. (Medical)	3	Girls Only	ACAS
8.	B.Sc. (Non-Medical)	3	Girls Only	ACAS
9.	B.A.	3	Girls Only	ACAS
10.	B.Com. (Hons.)	3	Girls Only	ASBAC
11.	B.A. (Mathematics)	3	Girls Only	ACAS
12.	B.Ed.	2	Girls Only	ACE
13.	B.Sc. Agriculture (Hons.)	3	Girls Only	ACA
Post-Graduate Degree Courses				
14.	M.Tech. (CSE)	2	Girls & Boys Both	ACET
15.	M.Tech. (ECE)	2	Girls & Boys Both	ACET
16.	MBA	2	Girls & Boys Both	ASBA
17.	MPH, MHA	2	Girls & Boys Both	ASPUBH
18.	M.A. (Englsih)	2	Girls & Boys Both	ACAS
19.	M.Sc. (Mathematics)	2	Girls & Boys Both	ACAS
20.	M.A. (Music)	2	Girls & Boys Both	ACDMS
21.	M.A. (Economics)	2	Girls & Boys Both	ASE
22.	M.A. (Psychology)	2	Girls & Boys Both	ASP
23.	M.Sc. (Physics)	2	Girls & Boys Both	ASPH
24.	M.Sc. (Chemistry)	2	Girls & Boys Both	ASC
25.	M.Sc. (Biotechnology)	2	Girls & Boys Both	ASB
26.	M.Sc. (Renwable Energy)	2	Girls & Boys Both	ASPH
27.	M.Sc (Nursing)	2	Girls	ACN
Dual Degree Courses				
28.	B.Tech.-MBA	5	Girls Only	ACTE/ASBAC
29.	B.A. Hons. (Econ)-MBA	4	Girls Only	ASE/ASBAC
Post Graduate –Doctor's Degree Courses				
30.	Ph.D. (Biotechnlogy)	3	Girls & Boys Both	ASB
31.	Ph.D. (Renwable Energy)	3	Girls & Boys Both	ASPH
32.	Ph.D. (ECE)	3	Girls & Boys Both	ACET
33.	Ph.D. (Physics)	3	Girls & Boys Both	ASPH
34.	Ph.D. (Chemsitry)	3	Girls & Boys Both	ASC
Add-On Diplomas with Graduation				
35.	Arts and Crafts	3	Girls	ACAS
36.	Music	3	Girls	ACAS
37.	Library Science	3	Girls	ACAS
38.	Physical Education	3	Girls	ACAS

3. ADMISSION AND ENROLMENT OF STUDENTS

SCHEDULE OF ADMISSION AND PROSPECTUS

First ordinances

The Item No. 3 of 1st Ordinance be substituted by item no, 3.1-3.4.2 of Second Ordinances.

3.1 SCHEDULE OF ADMISSION AND PROSPECTUS

The schedule of admission will be given in the admission notice to be published every year after securing approval from Department Higher Education. The admission procedure, details for counselling, basis of admission, reservation criteria, courses, fee structure etc. of different academic programmes will be duly reflected in the prospectus to be made available. The prospectus including application form for admission could be obtained from the office of the Registrar, Eternal University, Baru Sahib, Himachal Pradesh or from the place given therein or from www.eternaluniversity.edu.in at a price as notified.

It was resolved that form session 2010-2011 onwards, only The female students would be admitted to all under graduate courses run by Eternal University and to Lateral Entry for admission to 2nd. year B.Tech for 3 year Diploma Holders.

3.2 Admission Criteria and Admission Procedure

3.2.1 Admission Criteria

(i) Admission will be made as per provisions of the relevant statutes and rules and procedure laid down by an admission committee.

(ii) Before the start of admission process the Vice-Chancellor will constitute an Admission Committee and an Appellant Committee. Admission will be made as per provisions of relevant rules framed by the admission committee.

(iii) A compartment candidate will not be admitted under any circumstances.

(iv) A student shall be refused admission if his conduct has been found unsatisfactory. Such a student has a right to appeal to the appellant committee whose recommendation will be put before the Vice Chancellor and his (VC's) decision shall be final.

3.2.2 Admission Procedure

a. The Registrar, EU shall issue notification for admission to the approved degree programmes on its website, newspapers and other modes of communication.
b. Details of eligibility for application, number of seats, fee structure, criteria for admission, interview/counselling will be given in the prospectus issued by the Registrar every year.
c. Eligibility qualifications for admission shall be from the recognized university/board/institutes and those from unrecognized university/ board/ institute institutes would be reviewed for setting conditions for admission by the admission committee or any other committee as approved by the Vice- Chancellor.
d. Application for admission shall be received on the prescribed printed performa or forms provided on the website and prospectus of the university. Photocopy or any other form for the application will not be accepted.
e. Eternal University as a policy shall admit girl students in all undergraduate degree programmes while both girls and boys students are entitled to be admitted in post-graduate programmes.
f. Seat for admission would be considered confirmed only after payment of the prescribed fee by the candidate and by the final approval of the Vice Chancellor.
g. Eternal University reserves the right to deny admission to a programme, suspend or terminate any degree programme due to administrative/technical reasons.
h. Eternal University offers choice to students to seek admission in any discipline depending on their eligibility and availability of seats(s). Change from one degree programme to the other after admission but 7 days before registration may be allowed by the admission committee. Programme changeafter registration may be allowed on the recommendation of the committee by the Vice-Chancellor if a student applies within 15 days of registration in a prescribed form after payment of the required fee.

I. Pre-admission qualifications of all students would be reviewed by a committee and if the committee recommends any deficiency course then the same would be taken by the students.

j. Qualifications of the students, who passed eligibility qualification from any foreign university/board/school would be reviewed for equivalence by a committee consisting Dean, Academic Affairs, Dean of the College/ School and Head of the Department / Senior Faculty as subject specialist for which the candidate would be required to submit the course structure and pay the prescribed evaluation fee. Admission of such students would be subject to passing of any deficiency course(s) or exemption from certain course(s) as recommended by the committee.

k Lateral entry in admission to 2nd. year in B.Tech courses for a candidate who has passed 3 years Diploma in Engineering is allowed provided a student satisfies the eligibility criterion set by the admission committee.

3.4. Retention of original certificates:

The University will not keep the attested copies of the certificates and not retain the original certificates of a student/ candidate after verification.

3.4. 1 Registration:

After admission registration is the first important step for all the students preceding all other academic activities in the semester.

(a) Every student is required to be personally present and register at the commencement of each semester on the day fixed for and notified in the Academic Calendar and also posted on the university website and notice board.

(b) Registration of student for the first semester of a programme is a part of the admission procedure and is governed by the admission rules and thus will be conducted by offices of Registrar and Controller of Examination.

(i) Have paid the prescribed admission, tuition fees and other charges as applicable at the time of admission.

(ii) Submit registration performa along with the required documents (two photographs, and secondary school/matriculation, senior secondary school/plus two examinations and/ or other qualifying exam(s).

(iii) Every student must register on the day announced in the Academic Calendar or at least one day before the commencement of classes.

(iv) A student who fails to register for the first semester, on the day as mentioned in clause 3.6.1(b), due to some compelling reasons up to 7 working days may be permitted as late registration by the Vice Chancellor, after payment of prescribed late fee.

(v) Under special circumstances the registration of a student may be allowed up to a maximum of 12 calendar days from the date of registration with late fee for which permission of the Vice-Chancellor is required.

(vi) In case of late admission, student is required to register within 3 days after payment of late fee for the registration with approval of Vice Chancellor.

(vii) If student, after registration, fails to attend the class without written permission of the Dean of the College/School for 7 consecutive days from the date of registration, his/her registration shall stand automatically cancelled and the seat vacated will be offered to the next candidate on the waiting list.

(c) Registration for the subsequent (2nd. semester of the degree programme and onwards) semesters shall be organized by the Dean of Studies of the College/School and would be governed by following rules for which every students must:

(I) Register 1-2 days before the commencement of classes without any late fee and up to 3 days after commencement of classes with prescribed late fee. After 3 days but before 7 days along with the late fee and permission of the Vice-Chancellor.

(ii) Have cleared all dues of the previous semester and must have paid all the required fees & charges for the current semester.

(iii) Have not been debarred form registration on disciplinary or any other ground.

(iv) Have completed satisfactorily 2/3 of the total credit load of the previous semester(s).

(d) Under exceptional circumstances period more than 12 days for late registration under clause 3.6.1(b) and 7 days under clause 3.6.1.(b) (i) the duration and the amount of late fee may be condoned by the Vice-Chancellor on the recommendations of a committee consisting of Registrar, Dean of the College/ School and Dean Student Welfare.

3.4.2 Scheme for Registration Numbers

In an allotted registration number, ($A_1A_2a_1a_2BCD_1D_2b_1b_2b_3$) first two letters shall stand for the location of the programme, next two digits for the year of admission, next one letter for the level of programme, next one letter for the faculty of programme, next two letters for the programme / main courses and the last three digits for the roll no. of students as per following notation.

Location of programme(A_1A_2)

BS for Baru Sahib

Year of Admission (a_1a_2)

For year like 08 for 2008. 09 for 2009 and so on

Level of Programme (B)

B for Bachelor Degree

C for Certificate Course

D for Diploma Course

M for Master Degree

P for Ph.D Degree

Faculty of Programme (C)

A for Faculty of Divine Music & Spiritualism

E for Faculty of Education

H Faculty of Health and Allied Science/College of Nursing

S for Faculty of Pure and Applied Sciences

T for Faculty of College of Engineering & Technology

B for Faculty of Business Management

MU for Music

NS for Nursing

PH for Public Health

LI for Library and Information Science

FA for Fine Arts

PE for Physical Education

Roll Number ($b_1b_2b_3$)

123 for Roll Number

4. MINIMUM QUALIFICATION OF ELIGIBILITY OF ADMISSION AND AWARD OF DEGREES/ DIPLOMA/CERTIFICATES

4.1 AKAL COLLEGE OF ENGINEERING & TECHNOLOGY

Course	Eligibility for Admission
B.Tech. (ECE)	10+2 (PCM) through, JEE
B.Tech (CSE)	10+2 (PCM) through, JEE
B.Tech. (ECE & CSE) lateral entry	Three Years Diploma in ECE/CSE or equivalent with 50 marks
M.Tech. (ECE) &M.Tech. (CSE)	B.Tech. (ECE & CSE) through State Level Common Entrance Exam.
Ph. D (ECE & CSE)	M.Tech. or equiv. with 60% marks through Entrance exam with 50% marks.

4.2 AKAL COLLEGE OF NURSING

B.Sc. (Nursing)	Passed 10+2 (PCB) or equivalent with minimum of 45% marks with relaxation of 5% marks for SC/ST/OBC candidates. Age limit 17-35 years as on 31 December of the preceding academic year with relaxation of 5 years in the upper age limit for SC/ST/OBC candidates. Admission on merit through entrance examination by the Eternal University, for state as well as for management quota

4.3 AKAL COLLEGE OF DIVINE MUSIC AND SPIRITUALISM

B.A. Music(i) Gurmat Sangeet	10+2 (with Music)
(ii) Music Instrument (String Instruments)	10+2 (Any stream) with one year recognized music diploma
(iii)Tabla	
M.A. (Music)	
(I) Music Vocal	
(ii) Music Instrumental (String Instruments)	B.A. (Music, Vocal/Instruments) B.A (Any stream) along with complete music Diploma i.e "Sangeet Prabhakar" "Sangeet Visharad" and "Sangeet Vid" (with 50% marks)

4.4 AKAL COLLEGE OF ARTS AND SCIENCES

B.A.	10+2 or equivalent (with 50% marks)
B.A. (Hons.) Maths	10+2 with Maths or equivalent (with 50% marks)
B.Sc. (Medical)	10+2 (PCB) or equivalent (with 50% marks)
B.Sc. (Non-Medical)	10+2 (PCM) or equivalent (with 50% marks)
B.Com	10+2 or equivalent (with 50% marks)
Diploma in Arts and Crafts	10+2 or equivalent (with 50% marks)
Diploma in Library Science	10+2 or equivalent (with 50% marks)
Diploma in Physical Education	10+2 or equivalent (with 50% marks)
M.A (English)	Bachelor Degree from a recognized University or an equivalent examination with 50% marks.
Ph.D. (English)	M.A English with minimum 55% marks; through Entrance test
M.Sc (Mathematics)	B.A/B.Sc. Maths with minimum 55% marks; through Entrance test with 50% marks

4.5 AKAL SCHOOL OF BIOTECHNOLOGY

M.Sc. Biotechnology	B.Sc./B.Sc. (Hons.) in Medical/Agriculture/Biotechnology/Biochemistry/Microbiology/ any other branch of biological sciences with 50% marks.
Ph.D. Biotechnology	M.Sc. /M.Sc. (Hons.)/ M.Tech. In Biotechnology/Biochemical Engineering/Botany/Zoology/Microbiology/Biochemistry/Chemistry/ any other branch of biological sciences with at least 55%marks; through an entrance examination with 50% marks.

4.6 AKAL SCHOOL OF FOOD TECHNOLOGY

M.Sc. Food Technology	Bachelor's Degree in Food Technology, Biotechnology, Home Science, Medical, Agriculture, Biochemistry, Chemistry or any other branch of biological Sciences.

4.7 AKAL SCHOOL OF ECONOMICS

B.A. (Hon) Economics	10+2 or Equivalent
M.A. (Economics)	Bachelor's Degree with Economics

4.8 AKAL COLLEGE OF EDUCATION

B.Ed.	As per Himachal Pradesh State Higher Education Deptt guidelines and those of NCTE.50% marks in graduation/ Master Degree in any discipline (Arts, Science, Commerce etc.)

4.9 AKAL SCHOOL OF BUSINESS ADMINISTRATION

M.B.A	B.A./B.A. (Hons.), B.Sc./B.Sc. (Hons.), B.Com., B.Tech., MBBS/or any other Bachelors Degree 50% marks through CMAT or State Level Common Entrance Test

4.10 AKAL SCHOOL OF PUBLIC HEALTH

Master in Public Health MBBS,	Bachelor's degree in any area of biology, Physical Education, B.A.M.A., GAMS, BDS.
Master in Hospital Administration	Bachelor's degree in any area biology, Physical Education, MBBS, B.A.M.A., GAMS, BDS.

4.11 AKAL SCHOOL OF PHYSICS

M.Sc.	B.Sc./B.Sc. (Hons.) in Non-Medical or any other branch with Physics and Mathematics with 50% marks.
Ph.D.	M.Sc./M.Sc. (Hons.) in Physics and entrance exam with 50% marks.

4.12 AKAL SCHOOL OF CHEMISTRY

M.Sc.	B.Sc./B.Sc. (Hons.) in Medical/Non-Medical or any other Bachelors degree with chemistry as one of the elective subject.
Ph.D.	M.Sc./M.Sc. (Hons.) / M.Tech. in Chemistry with 55% marks through entrance examination.

4.13 AKAL SCHOOLOF RENEWABLE ENERGY

M.Sc. Renewable Energy	B.Sc. Non-Medical/B.Sc. (Hons.) in Physics/B.Tech. in Electrical or Renewable Energy and other related degrees.
Ph.D. Renewable Energy	M.Sc./M.Tech. in relevant field & entrance exam with 50% marks.

4.14 AKAL COLLEGE OF AGRICULTURE

B.Sc (Agri.) Hons.	10+2 with Chemistry, Physics, Biology and Mathematics.

4.15 PROCEDURE FOR REGISTRATION AND AWARD OF POSTGRADUATE DEGREE (M.A./M/Sc./MBA/M.Tech./M.P.H.)

4.15.1. Eligibility:

Eligibility as per the prospectus of the Academic Year. Admission to all the postgraduate degree courses will be made by Dean Postgraduate Studies.

4.15.2. Admission:

Admission to Postgraduate Courses will be made on the basis of merit in the qualifying examinations. The Dean Postgraduate Studies will conduct an entrance test for admission to all the courses, if required, to determine the merit.

4.15.3. Course Work:

The students admitted in the Postgraduate Courses will undergo course work for three semesters as laid down in their course curriculum and will appear in the semester examinations and pass these as given in the examination schemes.

4.15.4. Thesis Synopsis:

The advisors (s) for guiding student's thesis research will be decided within the first semester of the admission and the synopsis will be submitted by the students before the end of second semester.

4.15.5. Duration of Research Work:

The student will then take up research project for a minimum of six months duration after which they will submit thesis which will be evaluated by an external examiner.

4.15.6. Evaluation of Thesis:

After having the project work of 18-20 credit hours completed to the satisfaction of the supervisor and the Dean Postgraduate Studies, the student will make a pre-submission presentation in the department open to all faculty members and postgraduate students for getting feedback and comments which will be corporated in the thesis. In the case of M.A. (Music) a project report is to be submitted instead of a thesis under the guidance of the supervisor before submission.

The candidate will submit five copies of the thesis along with a certificate of declaration duly signed by the candidate, supervisor and Dean Postgraduate Studies with a submission fee of Rs. 500/-

4.15.7. Appointment of Examiners:

The thesis/project supervisor(s) of the student will submit a panel of three external examiners to the Dean Postgraduate studies for evaluation of thesis/project report. Dean of Postgraduate Studies will select one of these three external examiners. The evaluation report will be submitted in the prescribed Performa (Attached)

If the external examiner is satisfied with the research work of the candidate he may recommend the award of degree.

However, if the examiner is not satisfied with the thesis, he/she may recommend the work as "unsatisfactory" and the candidate may be given another three months to complete the work and re-submit the thesis.

4.15.8. Declaration of Result:

The examiner will send the evaluation report to the Dean Postgraduate Studies with recommendation. The students will appear in a Viva- Voice examination for their thesis and incorporate the reviewer's comments, if required, before final submission.

The final report will be sent to the Controller of Examinations who will declare the result for the award of the degree.

The candidate will have to complete master's degree in a maximum period of three-years failing which his/her candidature could be cancelled.

4.15.9. Good Standing and Scholastic Probation:

a. For promotion to the next semester each student must maintain "Good Standing" at end of each semester as to be mentioned in the result report. For maintaining good standing minimum OCPA 5.50 (Out of 10.00) for postgraduate students.

b. If a student fails, at end of a semester, to achieve the minimum prescribed standard as mentioned above, he/she shall be placed on 'Scholastic Probation' during the following semester and would continue to be under scholastic probation until achieve the required standard.

c. If a student continues to be under Scholastic Probation for 2 consecutive semesters, he/she shall be detained and shall not be allowed to register for the subsequent semester without approval of the Vice Chancellor and his/her case would have to be recommended by the Dean of the College/School only in case the student showed improvement in performance in the preceding semester over that of the previous semester.

ETERNAL UNIVERSITY

Master (_____) Degree Thesis Evaluation Report

1. Name of the College/School: ……..

2. Name of the Student: ……..

3. Registration No.: ……..

4. Title of the Thesis:

……

……..

Recommendations

Tick one of the following:

1	The thesis in its present form is recommended for the award of the Master ( ) Degree	
2	The thesis is recommended for the award of the Master ( ) degree. However, my suggestions for improving the thesis as per the detailed report should be considered at the time of the final Viva –Voce examination and the same should be incorporated before final submission.	
3	The thesis is not acceptable for the award of the Master ( ) degree.	

(Signature):

Name of Examiner: ……..

Designation: ……..

Address: ……..

……..

……..

Date:

Please give your detailed report in the attached sheet. You may use additional sheets, if required.

ETERNAL UNIVERSITY

Master (_____) Degree Thesis Evaluation Report

1. Name of the Student: ……..
2. Registration No.: ……..
3. Title of the dissertation: ……
   ……

DETAILED REPORT

(Signature):

Name of Examiner: ……..

Designation: …….....

Address: …….....

…….....

…….....

Date:

ETERNAL UNIVERSITY, BARU SAHIB

CANDIDATE'S DECLARATION

I hereby certify that the work which is being presented in the dissertation entitled "_____" in partial fulfilment of the requirements for the award of the Degree of Master ( ) and submitted to the Eternal University, Baru Sahib is an authentic record of my own work carried out during a period from _____ to _____ under the supervision of _____ and _____at the Eternal University, Baru Sahib.

The matter presented in this thesis has not been submitted by me for the award of any other degree of this or any other Institute.

Candidate Name and Signature

Regd. No.

This is to certify that the above statement made by the candidate is correct to the best of our knowledge.

Name of the Supervisor

(Supervisor)

Name of the Co-Supervisor

(Co-Supervisor)

Dean - Postgraduate Studies

4.16 PROCEDURE FOR REGISTRATION AND AWARD OF Ph. D DEGREE

4.16.1 Eligibility:

The essential qualification for Ph.D. is 55% marks in M.Tech / M.Sc./MA/M P H, etc. in the relevant subject.

The Eternal University will conduct an Entrance Test following an advertisement in national newspapers. Any eligible candidate desirous of seeking admission in Ph.D. can apply for the Ph.D. entrance test by paying requisite fee. However, the candidates who have qualified UGC/CSIR/DBT (NET/JRF) test or M.Phil. need not appear in the Ph.D. Entrance Test. The candidate will be required to pass the university entrance test

4.16.2 Counseling:

The counseling for admission to Ph.D. will be held by respective Research Degree Committee (RDC) headed by Dean of Postgraduate studies and other members nominated by the Vice Chancellor on the recommendation of Dean - Post Graduate Studies. The RDC will guide, monitor and evaluate the research progress of the student.

4.16.3 Registration:

The candidates selected for Ph.D. course can enroll for Ph.D. after depositing fee of Rs. 10,000/- which is to be adjusted in the tuition fee. The candidates will also be required to submit a complete admission form in the office of the Registrar along with attested copies of testimonials and required declaration forms and affidavits etc.

4.16.4 Course Work:

Minimum of one year residency of two semesters to take up the course work will be required at the Eternal University by Ph.D students. The advanced courses constituting at least 40% of the total credit hours for Ph.D. will be taken by the student before they can take written and oral comprehensive examinations which have to be cleared before starting research project. A course on Research Methodologies is the essential requirement. The advisor and RDC of the student will decide rest of the Ph.D course work of the student depending on the thesis research work.

4.16.5 Synopsis:

Candidates will prepare the synopsis of research project under the guidance of advisor. The synopsis will be presented to RDC for approval at the end of course work, clearance of written and oral comprehensive examination securing at least 60% marks but before the end of the third semester.

4.16.6 Review of the progress:

Each research scholar will submit a research progress report at interval of six months on regular basis, which will be reviewed by the RDC. An unsatisfactory progress report may attract penalty of six month extension for submission of thesis.

4.16.7 Duration of Ph.D :

After the acceptance of synopsis the research scholars can pursue Ph.D. on full time or part-time basis. A minimum period of three years from the date of enrollment will be required before a full time Ph.D. scholar can submit the thesis. This time limit can be extended by two years on the recommendation of advisor and RDC of the candidate and Dean Postgraduate Studies and approval of the Vice Chancellor. The maximum time by which the candidate has to submit the thesis will be 5 years. A part-time candidate can submit the thesis after 4 years of enrolment and an extension of two years can be granted by following the above procedure, if required. The part-time student will have a co-supervisor from the host institute/industry for guiding the day to day research. Regular registration on payment of tuition fee will be required to maintain the status of a bonafide part time student.

4.16.8 Evaluation of Ph.D. Thesis:

After having the research work completed to the satisfaction of the supervisor(s), the RDC and procedural satisfaction of the Dean of the Postgraduate Studies, the student will make a pre-Ph.D. presentation in the department open to all the faculty members and students for getting feedback and comments which may be incorporated in the thesis under the guidance of supervisor. The Ph.D. candidates will publish (or accepted for publications) minimum of two research papers in the peer reviewed National/International journals before the submission of the thesis. Five copies of the thesis are to be submitted along with a certificate of declaration by the candidate duly signed by Supervisor(s)/ and Dean Postgraduate Studies (in a prescribed proforma) along with a submission fee of Rs. 5000/-. The thesis will be evaluated by two examiners.

4.16.9 Appointment of Examiners

The student's supervisor will submit a list of six examiners three from Himachal Pradesh and three from outside the state in consultation with Dean Postgraduate Studies. The panel should consist of eminent experts in the relevant field of research not below the rank of professor. The Vice Chancellor will approve two names from the panel lists one from the state and the other out of the state. These examiners will be requested to evaluate the thesis and send the recommendation whether the thesis should be accepted for the award of Ph.D degree or not in the prescribed proforma (attached). Even if the report of one of the examiners is negative, the student will have to revise the thesis and resubmit for reevaluation till both the reports are satisfactory.

One of the examiners will then conduct Viva-Voce examination of the student in open presentation. On successful presentation, the external examiner will give the recommendation for the award of Ph.D. This will be sent to the Vice Chancellor with the recommendation of the Dean Postgraduate Studies, for his approval. The Controller of Examination will then declare the result for the award of Ph.D.

4.16.10 Fees:

Fee shall be charged as per approval of H.P. Government. The students will also pay an examination fee of Rs. 5000 for submission of thesis.

ETERNAL UNIVERSITY

Ph D Degree Thesis Evaluation Report

1. Name of the College/School: ……..

2. Name of the Student: ……..

3. Registration No.: ……..

4. Title of the Thesis: ……

……

Recommendations

Tick one of the following:

1	The thesis in its present form is recommended for the award of the Ph D Degree	
2	The thesis is recommended for the award of the Ph D degree. However, my suggestions for improving the thesis as per the detailed report should be considered at the time of the final Viva –Voce examination and the same should be incorporated before final submission.	
3	The thesis is not acceptable for the award of the Ph D degree.	

(Signature):

Name of Examiner: ……..

Designation: …….....

Address: …….....

…….....

…….....

Date:

Please give your detailed report in the attached sheet. You may use additional sheets, if required.

ETERNAL UNIVERSITY

Ph D Degree Thesis Evaluation Report

1. Name of the Student: ……..
2. Registration No.: ……..
3. Title of the dissertation: ……
   ……

DETAILED REPORT

(Signature):

Name of Examiner: ……..

Designation: …….....

Address: …….....

…….....

…….....

Date:

ETERNAL UNIVERSITY, BARU SAHIB

CANDIDATE'S DECLARATION

I hereby certify that the work which is being presented in the dissertation entitled "_____" in partial fulfilment of the requirements for the award of the Degree of Ph D and submitted to the Eternal University, Baru Sahib is an authentic record of my own work carried out during a period from _____ to _____ under the supervision of _____ and _____at the Eternal University, Baru Sahib.

The matter presented in this thesis has not been submitted by me for the award of any other degree of this or any other Institute.

Candidate Name and Signature

Regd. No.

This is to certify that the above statement made by the candidate is correct to the best of our knowledge.

Name of the Supervisor

(Supervisor)

Name of the Co-Supervisor

(Co-Supervisor)

Dean - Postgraduate Studies

4.16 AWARD OF DEGREE

Graduation Requirements:

A student must meet the following general requirements for graduation along with other prescribed requirements as prescribed from time to time by the university.

a. Must not be on conduct and/or scholastic probation.
b. Must have paid all dues.
c. No-dues certificate (NOC) from Dean of the College/School accounts, Dean Student Welfare, Accounts, Library, Hostel, Workshop, and Department/Laboratory is required to be submitted at the end of graduating semester.
d. Must have completed residential requirements of the programme.
e. Must have satisfactorily completed the attendance requirements.
f. Must have satisfactorily completed the prescribed course programme.
g. Must maintain Good Standing at the end of the graduating semester and has no pending F grade.
h. Must have completed the prescribed requirements of industrial training and project work as applicable to B. Tech students only.
i. Must have completed residency requirements as applicable to B.Sc. (Nursing) students.
j. Must have completed thesis requirements as applicable for postgraduate students.
k. Postgraduate students must have passed final Viva-voce examination.
l. Must complete any other requirement prescribed from time to time.

5. SEMESTER SYSTEM

First ordinances

The item no.10 be substituted by item no. 5 of second ordinances.

Semester System:

Each academic year shall be divided into 2 regular semesters (odd and even) and optional during semester break.

a. Each regular semester would be of twenty weeks duration with a minimum of 90 working/teaching days and duration of the winter semester would be of 8-10 weeks duration.
b. Regular semesters are designated as odd (semester 1, 3, 5, 7……..n from admission) and even (semester 2, 4, 6, 8…….n from admission) for the degree programme and summer semester.
c. Schedule of each semester shall be given in the academic calendar.
d. Teaching load of a course offered in the summer/ winter semester will be equivalent to that of a full semester.
    i) Credit and non-credit courses, project/research work, practical/field/industrial training, or student tours may be offered during winter semester with prior approval of the Vice-Chancellor.
    ii) Number of theory / practical classes for each course would be doubled in winter semester then the regular semester.
e. List of courses of different programs to be offered in each semester would be notified by the Dean/Principal 30 days before commencement of each semester.
f. Lecture schedule based on total syllabus of a course being offered in a semester, both for theory and practical after approval of the Dean of the College/School will be displayed on the notice board by the teacher concerned.
    i) Lecture schedule will also indicate dates for semester examinations.
    ii) List of text and other books being followed for the lectures will be provided with the lecture schedule.
g. The winter session will be utilized for:
    (a) Introduction of the enrichment programmes.
    (b) Dual Degree Programmes
    (c) Professional development for in service faculty
    (d) Offering of additional and condensed new courses.

Note: As per Indian Nursing Council guidelines, programme for B.Sc. Nursing is on the annual pattern while all other courses of the Eternal University are being run on the pattern of the semester system.

6. ACADEMIC CALENDAR

Academic Calendar:

Each academic year shall ordinarily be from August (current Year) to July (of following Year) for which academic calendar giving semester- wise academic schedule shall be:

a. Issued by the Registrar after approval of the Academic Council in the second (even) semester of the previous year, tentatively by 15th March every year.

b. Provide information about the general schedule of registration, commencement of classes, schedule of examinations, declaration of results or any other information as approved by the Vice-Chancellor.

c. Posted on the University website (www.eternaluniversity.edu.in), printed in prospectus and also put up on the university notice board.

d. Followed by teachers, students, administration and all others and for any change prior approval of the Vice-Chancellor is required.

7. COVERAGE OF COURSE CONTENTS

First ordinances

The item no 15 and 20 of first ordinances be substituted by item no. 7 of second ordinances.

7.1 Course Curriculum and its Implementation:

(a) The course curricula for different degree programmes as evolved by the respective departments and recommended by the Dean of the College/School and Board of Studies are to be approved by the Academic Council.

(b) The curricula for inter-department, integrated/multidisciplinary course programs should be evolved jointly by the concerned departments as per provisions in clause 7.1 (a) would be taught by the faculty from different disciplines.

(c) Depending on nature of the subject, different courses can have different structural design; it can have pure theory course consisting of lectures, lectures plus tutorial, pure laboratory practical (including project, field work) and combination of both theory and practical.

(d) Each course is assigned a course code, number, credit hours along with the semester in which it is to be offered and any pre-requisites of the course.

7.2 Coverage of Course Contents

First ordinances

The item no.20 or be first ordinance replaced by item no 7.2 of second ordinances.

To ensure completion of the prescribed course following steps would be taken for each courses/subject.

(i) The Dean of Studies of concerned School/College shall ensure that each instructor/teacher actually complete the entire course and shall send a report to the Dean of the College/School.

(ii) Teacher concerned shall plan and notify the lecture schedule well in advance and would submit course completion certificate along with award list to the respective Dean.

(iii) To ensure that requirement for the award of a degree has been completed by a student, the Registrar-EU shall keep a semester wise record of the courses and other requirements completed by the students.

7.3 Repeating courses to fulfill minimum requirements

First ordinances

The item no. 15 of the first ordinances is shifted to item no 7.3.1 of second ordinances.

7.3.1 Repeating courses to fulfil minimum requirements

A student getting an overall credit point average 5.0 for UG and 5.5 for PG less than that the required for graduation in a degree course may repeat that course with prior permission of the Dean of the College/School on payment of prescribed fees and other charges subject to the following conditions.

i) The repetition shall be permitted only to enable the student to fulfill the minimum credit point average requirement and not for improvement of his overall credit point average or for enabling him to qualify for an award of scholarship/ fellowship or for competing for a certificate of merit or for a position in the university.

ii) When a student repeats a course, credits corresponding to that course shall be counted only for the graduation requirements.

7.3.2 Addition and Withdrawal of Courses

i) Any change in course from the approved programme of the postgraduate students may be allowed by the Dean PGS on the recommendation of the advisory committee. However, it should not affect the total credit load originally assigned to the student.

ii) Change in course registered for a semester may be allowed by Dean, PGS on the recommendation of the advisory committee of the postgraduate student.

iii) Exemption from any course may be allowed only in rare circumstances by the Dean of the College /School for UG and by Dean PGS for PG students only when the change in course is needed on administrative reasons. In such cases some replacement course relevant to the programme shall be offered.

iv) Last date of adding a course shall be within 15 days from the date of commencement of classes.

v) Last date for withdrawal of a course shall be 30 days from the date of commencement of classes.

vi) If a student adds a course after the start of the semester, he/she shall not be allowed to withdraw that course.

8 COURSE CODING AND COURSE CREDITS

First ordinances

The item no.6 of the first ordinances be substituted by item no 8.1-8.2.2 of second ordinances.

8.1 Course Coding System

(1) A Course Code, (A_1 A_2 B_1 B_2 Ca_1 b_1 b_2) consists of 5 letters ($A_1A_2B_1B_2C$) and 3 digits ($a_1b_1b_2$). First two letters (A_1A_2) stand for programme, next two letters (B_1B_2) stand for discipline/subject and the last one letter (C) for type of the course. First digit (a_1) among the digits stands for the year of the programme and the last two digits (b_1b_2) for number given to the course as per following notation.

Programme	Code (A_1A_2)	Discipline/Subject	Code (B_1B_2)
B.Tech.	BT	Computer Science	CS
M.Tech.	MT	Electronics & Communication	EC
B.Sc.	BS	Nursing	NU
B.A	BA		
M.Sc.	MS	Physics	PH
Ph. D.	PD	Computer Science	CS
B.Ed	B.Ed	Biotechnology	BT
		Food Biotechnology	FT
		Public Health	PH

Type of Course	Code (C)	Year of Programme	Code (a_1)
Theory	T	First Year	1
Lab	L	Second Year	2
Project/Training	P	Third Year	3
		Fourth Year	4

i) Course code consisting of first 2-3 capital letters represents the subject/discipline and 1-2 capital letters represent theory or practical or both. For example in course with CSET, CSE represents the subject i.e. the Computer Science and Engineering and T represents theory course and in course with code CSEL, CSE represents the subject of Computer Science and Engineering and L represents Laboratory practical.

ii) Course numbers to different courses are assigned year-wise in ascending order in the manner as described below for different classes.

iii) Departments/Schools/Colleges may follow small variations as per requirements.

8.1.1. Bachelor Degree Courses (1-500)

1. Deficiency courses 1-99*		
2. First Year	101-199 (Essential courses up to130)**	
3. Second Year	201-299 (Essential courses up to 230) **	
4. Third Year	301-399 (Essential courses up to 330) **	
5. Fourth Year	401-499 (Essential courses up to 430) **	
Reserved Numbers	Training:	490
	Seminar:	491
	Project:	500

8.1.2 Master Degree Courses (501-600)

1. Deficiency courses	501-520*	
2. First Year	520-550 (Essential courses up to 540)**	
3. Second Year	550-580 (Essential courses up to 570)**	
Reserved Numbers	Training:	590
	Seminar:	591
	Research:	600

8.1.3 Doctorate Degree Courses (601-700)

1. Deficiency courses	601-620*	
2. First Year	630-699 (Essential courses up to 650) **	
3. Second Year	630-699	
4. Third Year	630-699	
Reserved Numbers	Training	690
	Seminar	691
	Research	700i

i) Deficiency courses are determined on the basis of pre-admission courses passed by the student or considered important for the student to pass so that the student may cope with the course programme of the EU easily.

ii) Essential courses as per prescribed courses of the degree programme may be listed first and optional courses afterwards.

Note: Same course may be cross listed in different departments as per requirements of the degree programme; however, these needs approval of the academic council.

iii) Teaching of different courses/subjects would be reckoned in terms of credits or credit hour per subject except for subjects of B.Sc. (Nursing) where it is reckoned in terms of number of the subjects/year.

iv) Credit/ credit hour refers to 1 hour of in-class contact for theory and 2 hours of in-class contact for practical and total hours of contact would be indicated by contact hours for each course which is equivalent to number of hours of per week of teaching.

v) Pre-requisite course is the one which is considered to have been passed before taking another course of higher difficulty level. If any pre-requisite is mentioned against a course then the same shall be offered after passing the pre-requisite course

a. Semester-wise course schedule shall be offered to the undergraduate students in different disciplines to be notified 30 days before the start of semester by the Dean of the College/School based on the general course schedule.

b. All postgraduate students before the end of the first semester shall have to submit programme of work (4 copies) giving pre-admission courses passed, courses to be taken following the guidelines, credit hours for research and recommendation of the advisory committee to the Dean, PGS for approval. Dean, PGS after his Approval would return 3 copies, one each for the Department, Major Advisor and the concerned student. Dean, PGS may also get it modified or changed.

c. Minimum and maximum credit load (total number of contact hours per week) for which student is required to register for different degree courses is variable as given bellow:

8.2 COURSE CONTENTS AT A GLANCE:

First ordinances

The item no. 18 be substituted by item no 8.2 of the second ordinances.

The detailed course outline and corresponding credits are given in annexure I, II and III.

9. CONDUCT OF EXAMINATION, TERMS OF OFFICE AND MANNER OF APPOINTMENT AND DUTIES OF EXAMINING BODIES, EXAMINERS AND MODERATORS

First ordinances

The item no.11-14, 16, 19 be substituted by item no. 9 of second ordinance.

9.1. Assessment of Performance:

There would be continuous assessment of student's performance throughout the semester/academic session by assigning marks to performance in two sessional and one end semester examinations for each course/subject, class-quizzes, tutorials; viva-voce, assignment(s), attendance etc.

Total weightage of marks for each course is 100 which comprises total of marks assigned to different above sub-components. Credits assigned to different courses vary depending upon quantum of their contents.

The marks of the theory course/ theory component of course would be decided by performance in sessional and end-semester examination, assignments, quiz or tutorial (if any) and attendance. Actual weightage to different subcomponents will be announced by the teacher at the beginning of course but the following general scheme will be adopted in different disciplines.

9.1.1 For B.A., B.Sc., B. Tech degree theory courses:

Sub - Component	Percent mark allocated
i. First sessional examination	10
ii. Assignment/Quiz/Tutorial/Viva-voce	5
iii. Attendance	5
iv. Second sessional examination	30
v. End- semester examination	50

Performance in sub-component i to iv for 50 marks would be assessed by the teacher and that of sub-components v for 50 marks would be assessed through centrally organized examinations by the Controller of Examinations.

9.1.2 For M.A., M. Sc., M.P.H, M.B.A., M. Tech., degree theory courses:

Sub - Component	Percent mark allocated
i. First sessional examination	10
ii. Quiz/Tutorial/Viva-voce	5
Assignment and seminar	10
iii. Attendance	5
iv. Second sessional examination	20
v. End- semester examination	50

Performance in sub-component I to V for 50 marks would be assessed by the teacher and in sub-component VI for 50 marks would be assessed through centrally organized examinations by the Controller of Examinations.

The marks in the purely laboratory/practical course or practical component of a course shall be decided on the basis of performance in one mid-sessional and one end-semester examinations, day to day practical records, project assignment, viva-voce and attendance. Actual weightage to different sub components will be announced by the teacher at the beginning of the course but the following general scheme will be adopted in different discipline:

Sub - Component			Percent mark allocated
1.	Mid-Sessional Practical examination		
	i.	Continuous Lab. performance	10
	ii.	File	15
	iii.	Viva – voce +Written examination	15
	iv.	Attendance	10
		Total:	50
2.	End-semester examination		
	i.	Viva – voce +written examination	25
	ii.	File	15
	iii.	Attendance	10
		Total:	50

Performance in sub-component i to iv for 50 marks would be assessed by the teacher and that of the sub–component 2 for 50 marks would be assessed through a centrally organized examination by the Controller of Examinations.

For giving marks for attendance only actual attendance would be taken to be determined following rules given in clause 12. Attendance and Leaves for students. Following criteria shall be adopted for assigning marks for actual attendance:

Actual Attendance		Marks to be awarded
i.	95 to 100	5
ii.	90 to 94.9	4
iiv.	85 to 89.9	3
iv.	80 to 84.9	2
v.	75 to 79.9	1

B.Sc. Nursing:

The general criteria of assessment of performance in different sub–components as mentioned for assessment of performance for theory and practical UG and PG courses shall not be applicable to B.Sc. (Nursing) / B. Ed. degree programme for which following criteria would be adopted.

Assessment of performance of students of B.Sc. (Nursing) would be done as per norms of the Indian Nursing Council.

Weightage of different sub- components of theory subjects would be as below:

Sub - Component		Percent marks allocated
i.	Internal assessment	25
ii.	External assessment	75

9.1.3 Practical Courses:

Weightage to different sub-components of practical courses would be as below:

Sub - Component		Percent marks allocated
i.	Midsession Practical Examination	50
ii.	End Semester Practical Examination	50

9.1.3 B.Sc. Nursing:

External assessment examinations both in theory and practical for B. Sc. (Nursing) shall be organized centrally by Controller of Examinations along with Dean, Akal College of Nursing.

9.2.1 First Sessional Theory Examination (FSTE):

1. First sessional examination will be conducted by concerned Dean as per schedule in the academic calendar under intimation to the Controller of Examination. The test will be conducted in the class by the teacher, the maximum time for the test will be one hour and the format of the exam will also be decided by the teacher.
2. Weightage of the test will be as Per Clause 9.1.1 and 9.1.2 and there would be no FSTE for practical course or practical part of the viva.
3. Question paper setting, deciding the format of paper, conduct of FSTE and evaluation would be done by the

teacher who, after discussing and showing the answer books to the students, would submit these along with the copy of the award list as well as the attendance through the Dean of the College/School to the Controller of Examinations.

4. The teacher will submit one copy of the question paper to the concerned Dean. The Controller of Examination can randomly get the quality of the question paper checked and can get the answer books evaluated from another examiner to ensure the fairness as well as maintenance of proper standards in the examination.
5. If the same course is taught by different teachers to different sections and classes, then the senior most teacher shall act as Course Coordinator for the uniformity of standard of teaching and setting only one set of question paper.

9.2.2 Second Sessional Theory Examination (SSTE):

1. Second Sessional Examination (SSTE) will be organized by the concerned Dean of the Department under intimation to the Controller of Examination as per schedule given in the Academic Calendar.
2. This test will be of two hours and will cover the syllabus so far covered up to the last class held before the examination.
3. In the interest of improving the standard of question paper, Dean of the College/School may get certain question papers set by another teacher of the same subject from the University or from an External examiner. Appointment of the external examiner should be as per existing procedure with the approval of Vice-chancellor. The format as well as the maximum marks will be decided by the examiner setting the paper.
4. If the same course is taught by different teachers to different sections and classes, then the senior most teacher shall act as Course Coordinator for the uniformity of standard of teaching and setting only one set of question paper.
5. Examination duty list appointing Coordinators of Examination, Superintendent, Deputy Superintendent, and invigilators for each Centre/Hall will be issued at least 5 days before the date of Examination. If any teacher/staff has any problem in performing the assigned duty, he/she would report to the Dean of the College/School for making alternative arrangement should be intimated the same day to the Controller of Examinations so that the examinations work does not suffer.
6. All Care should be taken to prevent copying and unfair means in the examination and in event of any incidence the Centre Superintendent will report to the Coordinator of the examination who after verification found a case of copying wil report the matter immediately to the Dean of College/School and Controller of Examinations. In case of copying answer book and other material may be confiscated and a fresh answer sheet may be issued only after a written statement from the student. Necessary action would be taken by the standing committee consisting of Controller of Examination, Dean of the College/School and Coordinator of Examination.
7. The paper setter shall evaluate the answer books or the Dean can appoint some other competent examiner with the permission of Vice Chancellor.
8. The answer books shall be retained by the Department while the attendance, awards list shall be submitted to the Controller of Examination. The Dean shall maintain a separate record of the awards as well as attendance.
9. The Controller of Examination can randomly get the quality of the question paper checked and can get the answer books evaluated from another examiner to ensure the fairness as well as maintenance of proper standards in the examination.

9.2.3. Mid-Sessional Practical Examination (MSPE):

a. Mid-Sessional Practical Examination will be organized by the department / school / college as per schedule for MSPE as given in the Academic Calendar.
b. Weightage of marks for MSPE should be given as given in clause 9.1.2 and for any change approval of the Dean of the College/School is required.
c. Two teachers- one class teacher and other teacher as nominated by the Dean of the College/School shall conduct MSPE.
d. The question paper for MPSE should be set based on the total number of practical prescribed to have been

conducted by that date.

e. Evaluation of performance would be done jointly or if done separately by means of both evaluations should be taken.

f. Copy of award list shall be submitted to the Controller of Examinations through Dean of the College/Studies.

9.2.4 Submission of Internal Assessment:

Final award list giving assessment of performance in different sub-components as per clause 9.1 for theory and practical except that of the End-Semester Examinations would be submitted to the Controller of Examinations through Dean of the College/School, at least 5 working days before the date of end-semester examinations along with list of students who are not eligible for end-semester examination. This should be brought to the notice of the students well in advance of the ESTE.

9.2.5 End-Semester Theory Examination (ESTE):

End-Semester Theory Examination (ESTE) will be centrally organized by the Controller of Examinations as per schedule given in the Academic Calendar.

a. Each student would submit registration-cum-admit card to Controller of Examinations through Dean of the College/School at least 15 days before the date of start of ESTE.

b. Each student will be issued an admit card for appearing in ESTE only if he/she has

   I. Completed attendance requirements in theory and practical classes as per clause 12.1 of Academic Rules and Regulations.

   ii. Completed assignments/project work.

   iii. Paid all University/College and Hostel dues of the semester.

   iv. Not been debarred from appearing in ESTE as a result of disciplinary proceedings.

c. For setting of question paper and evaluation of answer books of ESTE, Dean of the College/School shall propose panel of 3 examiners within 7 days of SSTE to the Controller of Examinations for obtaining approval of the Vice Chancellor for the examiner number 1 and number 2. Panel of 3 examiners should be of senior reputed specialists and may include internal and external examiners depending upon the availability.

d. Controller of Examinations after obtaining consent of examiner number 1, shall get question paper(s) set and answer books evaluated and in case of non-acceptance, examiner approved at number 2 will be contacted. In case of refusal by both the examiners, revised approval will be obtained in consultation with the Dean of the College/School.

e. Controller of Examinations will send model question paper to the examiner(s) and will get 2 question papers for each course in separate sealed envelopes.

f. The paper setter may be appointed internally or the papers can be set from the question bank with the approval of the Vice Chancellor.

g. Controller of Examination will conduct the examination and will get the answer books evaluated.

h. For evaluation from external examiners answer books along with the letter of appointment, instructions for evaluation and blank award list would be sent through courier/ post. In case the external examiner, after consent declines to evaluate or does not reply within 10 days, then Controller of Examinations may get them evaluated from a senior teacher of the university with prior approval of the Vice Chancellor.

i. Controller of Examination will send the following list of Instructions to examiners for evaluation of answer books.

   i. All questions and their subsections should be evaluated and indicated by ticking or marking by red ink/pen/pencil.

   ii. Marks for each section or sub-section of the question should be given separately and total should be encircled at the start of the question. Marks given for sections/sub-sections may not be encircled.

   iii. Blank pages in the answer book should be crossed.

   iv. Marks of each question should be written and totaled in the column provided on page 1 of the answer book.

   v. Total marks obtained should also be written in words and then signed in the column provided.

vi. Over attempted questions should be indicated as OA and highest marks of attempted questions should be counted.

vii. Please evaluate and return the answer books by the date mentioned in the letter of appointment as it would enable us to declare result in time and avoid deduction from the remuneration.

j. To prevent copying and use of unfair means in ESTE necessary actions as given in clause 9.2.12 shall be adopted.

9.2.6 End-Semester Practical Examination (ESPE):

The End-Semester Practical Examination (ESPE) shall be centrally organized by the Controller of Examinations as per schedule given in the Academic Calendar.

a. From the panel of 3 examiners proposed by the Dean of the College/School to the Controller of Examinations, number 1 and number 2 will be approved by the Vice-chancellor.

b. Examiner at number 1 and in absence of his/her consent number 2 would be contacted for the conduct of ESPE. The class teacher shall act as the Co-examiner.

c. Question paper for ESPE shall be based on the prescribed syllabus a copy of which shall be provided to the examiners along with a model question paper for each practical examination.

d. Weightage of marks for ESPE shall be as per clause 9.1.2 and examiners shall evaluate the performance in 3 sub-components (i) File (ii) Written (iii) Attendance.

e. Answer-book along with the award list shall be submitted to Dean of the College/School for sending the same to Controller of Examinations within 3 days of the conduct of examinations.

9.2.7 Make-up Examination

To substitute First Ordinances item no. 14.

If any student misses First Sessional Theory Examination (FSTE) or Second Sessional Theory Examination (SSTE) on account of illness or some other valid reasons, he/she may apply through his class teacher and Head of the Department to Dean of the College/School with in three (3) working days from the date of examination on the payment of prescribed examination fee.

a. For make–up examination on medical grounds students must submit certificate of illness or hospitalization from the Medical Officer of the Akal Charitable Hospital, Baru Sahib.

b. Medical Certificate other than that mentioned above under clause 9.2.7 a will not be accepted ordinarily and may be asked to get the endorsement from the Medical Officer, Akal Charitable Hospital, Baru Sahib.

c. For make-up examination because of reasons other than the medical grounds, students is required to explain valid reasons with evidence to the satisfaction of the Dean of the College/School who may get comments from the parents/guardian of the student.

d. There will be no make-up test for the MSPE, ESTE and ESPE or for annual examination except for participation in national/international sports and cultural events.

e. Dean of the College/School, if allows the student to take the makeup test may ask the teacher to give make-up for FSTE only but for SSTE application would be forwarded to the Controller of Examination.

f. It will be the responsibility of the student to get in touch with his/her teacher for the make-up examination of FSTE and SSTE which shall be given centrally by the Controller of Examinations as per procedure given in clause 9.2.7.

g. Student who is allowed make-up examination for FSTE shall take the test within 7 days from the date of examination and for delay if any permission of the Vice Chancellor would be required for which the student have to apply through Dean of the College/School explaining the reasons for the delay.

h. The students who are deputed by the university to participate in sports/ cultural activities to places other than Baru Sahib shall be allowed make-up examination by the Dean of the College/School if recommended by the in-charge of the activity and Director of Student's Welfare for which the condition of 3 working days for submitting application as given in clause 9.2.7 and 7 working days for taking the examination.

i. Students who misses end-term examination due to their participation in national and international sports/cultural events may be allowed special make-up examinations on recommendation of Dean of Students Welfare and Dean of the College/School by the Vice Chancellor.

9.2.8 Supplementary/Reappear Examination:

First Ordinances

To substitute item No. 13 of first ordinance.

Supplementary examination may be allowed to students who have appeared in the End-Semester Theory Examination (ESTE)/Annual Examination and failed in theory paper.

a. Supplementary examination shall be allowed in theory courses or theory part of the course while in practical course or practical part of the course no supplementary examination is allowed except as a special case for the last semester examination or under exceptional circumstances on the recommendation of the Dean of the College/School by the Vice-Chancellor.
b. Students who get F grade are required to apply for supplementary examination within 15 days of declaration of results final semester/annual examinations on a prescribed form after payment of required fee.
c. Controller of Examinations will conduct the supplementary examination within 45 days from the date of declaration of results of final semester/annual examination.
d. Supplementary examination for practical course or practical part of the course under exceptional circumstances shall be given along with ESPE only; separate examination for individual students will not be conducted.
e. Only one chance will be given as per provision of clause 9.2.8 and if a student fails gain then he/ she will be allowed to take supplementary exam along with the regular examination of that course for which only one chance will be allowed. Thus a student gets maximum of 2 chances for clearing F grade.
f. Student who fails to clear the theory course in 2 chances given for supplementary examination as per clause 9.2.8(g) shall have to repeat the course as and when the same is offered by the department/college after paying all prescribed tuition fee and other charges for the semester. However, third mercy chance may be given with the approval of Vice Chancellor after review of his/her performance by the committee consisting of the Dean of Academic Affairs or Dean of Faculty, Dean of the College/School and Controller of Examinations in case student applies for mercy chance within 15 days of declaration of result for the second chance given to him/her. If the student fails in the mercy chance then the student would be dropped and no chance for repeating the course would be provided.
g. No student will be allowed to take supplementary examination in more than 3 courses failed in the previous semester without the permission of the Vice Chancellor.
h. Marks obtained in different sub-components of internal assessment of performance as received before the end semester/annual examinations will be counted toward total marks obtained along with marks of supplementary examinations.
i. It is in the interest of students to clear the course of the previous semester at the earliest opportunity as they would not be allowed to register after 2 semesters.

Supplementary/ Reappear for internal Assessment

1. If a candidate fails in internal assessment, he/she should be given a chance to clear his/her internal assessment (sessional) in the same semester before the end semester examination. The Candidate will have to pay the required fees of Rs. 750/-per paper per sessional for the reconduct of sessional examinations. These examinations will also be conducted by the teachers appointed by the Dean of the concerned college/Schools under intimation to the Controller Examination.
2. If a candidate fails to clear his internal assessment in a semester, even after getting a chance as mentioned above, he/she will not be allowed to sit in the end semester examination of that particular subject without the permission of the Vice Chancellor. He/she will then be given chance to improve his/her internal assessment by filling supplementary forms and depositing fees of Rs. 1500/- per sessional exam in the subsequent even/odd semesters. He/She will not be allowed to sit in the end Semester examinations of that course until he/she clears his/her supplementary internal assessment (sessional) exammination.

3. The above orders are to be effective for students who have failed in internal assessment examinations till date.

9.2.9 Comprehensive Examination for Ph.D.

After successful completion of at least 80% course work, Ph.D. students would be given comprehensive examination to determine the overall comprehension of the student in major and minor fields and the same would not be restricted only to the courses studied.

a. Comprehensive examination shall include a written examination followed by an oral examination.
b. Written examination shall consist of two papers one in the major and the other in the minor field.
c. Controller of Examinations shall centrally organize written examination in consultation with the Dean PGS/Dean of the College/School.
d. Major advisor of the student after completion of at least 80% course work shall initiate the process in writing along with the list of courses studied by the student to the Controller of Examinations through Dean, PGS/Dean of the College/School who would also recommend a panel of 5 Senior Professors consisting of 2 internal and three external examiners relevant to the Major subject of the candidate for setting up question papers and evaluation of answer books for approval of any 2 names by the Vice Chancellor.
e. For the comprehensive examination in the minor field, question paper would be set by taking questions from the teachers by the Dean of the College/School or Dean-PGS as per approval of the Vice Chancellor.
f. Dean PGS shall hold written comprehensive examination in major and minor fields in a block period of 30 days and would get the answer books evaluated from examiners as per approval in clause 9.2.9 (d) and (e).
g. The result based on performance in written Comprehensive Examination of both major and minor fields shall be finalized by the Dean PGS/Dean of the College/School who would award grade 'S', for satisfactory and 'US' for unsatisfactory performance and would submit to the Controller of Examination along with a panel of three external examiners for the oral examination if the result is 'S', Satisfactory.
h. In case of US, (unsatisfactory performance,) student shall take written comprehensive examination only after 6 months.
i. With approval of the Vice Chancellor, Dean PGS shall appoint External Examiner for conduct of the oral comprehensive examination along with Dean-PGS, Dean of the College/School, Head of the Department and all members of the advisory committee and any other person nominated by the Vice-chancellor on the date and time as notified by the Dean PGS.
j. Result for the oral examination would be submitted as report with overall grade as 'S' for satisfactory/ 'US' for unsatisfactory to the Controller of Examinations by the Dean-PGS/Dean of the College/School for approval of the Vice Chancellor and then notification.
k. Report as mentioned above would also indicate based on answer to the questions by the student about his knowledge, aptitude, analytical and problem solving abilities, research skills and overall performance of t he student.
l. If a student is awarded unsatisfactory grade in comprehensive oral examination then he/she may be allowed to reappear in the oral examination not earlier than 3 months after the first examination.

9.2.10 Final Viva-Voce Examination for Post-graduate Students:

After successful completion of all requirements of course work, seminars, projects and thesis/dissertation or any other requirement, all post-graduate students (M.A, M.Sc., M.B.A, M.P.H., M.Tech.and Ph.D.) will give final viva-voce examination before declaration of results of the degree programme.

a. Final Viva-Voce Examination Committee for M.A, M.Sc., M.P.H, M.B.A and M.Tech. programmes would consist of Dean PGS, Dean of the College/School, Head of the Department, all members of the advisory committee and faculty members from the major field of specialization as per approval of the Vice-chancellor.
b. Final Viva-Voce Examination committee for Ph.D. students would consists of an external examiner, Dean-PGS, Dean of the College/School, Head of the Department, all members of the advisory committee and faculty members from the major field of specialization as per approval of the Vice-chancellor.
c. After receipt of the evaluation report of dissertation from internal and external examiners as the case may

be, Dean PGS with approval of the Vice Chancellor would notify the date and time for final Viva-Voce examination.

d. Report of the final Viva-voce examination including the final recommendations for acceptance of thesis/dissertation, performance of the student in the Viva-Voce as satisfactory/unsatisfactory and recommendation for eligibility for award of degree would be forwarded by Dean PGS or Dean of the College/School to the Controller of Examination for final acceptance of the student for award of degree by the Vice Chancellor result of which would be declared by the Controller of Examinations.

9.2.11 Re-evaluation/Re-checking of Answer Books:

First Ordinances

Item no 12substituted by the item no. 9.2.11 of seconds ordinances.

Answers books after evaluation by the examiners and award lists are checked and efforts are made to re-check for any discrepancy in totalling, unmarked questions and transfer of marks in the office of Controller of Examinations who, however, is not authorized to carry out evaluation or re-evaluation of questions. If any discrepancy is pointed out then the same shall be corrected through the Dean of the College/School. Further Re-evaluation/Re-checking of answer book(s) for the end-semester/annual examinations is allowed when a student applies as per following instructions:

a. There shall be no re-checking and re-evaluation of answer books of practical examinations.
b. For re-checking/re-evaluation of answer books of theory papers a student may apply after paying the prescribed fee within 10 days of declaration of the results in a prescribed application form to the Controller of Examination through Dean of the College/School.
c. Controller of Examination shall get the re-evaluation done by an examiner other than the one who has already marked the answer book. Examiner for re-evaluation would be appointed by the Vice-chancellor on the recommendation of Dean of the College/School.
d. Only marking of unchecked, unmarked questions and recounting of marks awarded and the total of marks will be done during rechecking by the Controller of Examination.
e. In case the examiner so appointed for re-checking/re-evaluation points errors in evaluation then re-evaluation shall be got done after approval of the Vice-chancellor, otherwise re-checking/revaluation shall be done as per clause 9.2.11 (c).
f. Controller of Examination would notify the results of re-checking/re-evaluation answer sheets even if there is no change.

9.2.12 Unfair Means In Examinations:

First Ordinances

Item no 21 of first ordinances be substituted by item no. 9.2.12 of second ordinances.

The following instructions may be followed for preventing and dealing with cases of copying and unfair means in examinations.

1. Definition of Unfair Means/ Misconduct In Examinations:
   a. Having at the examination desk any unauthorized notes or other unauthorized material (whether or not concealed in any manner).
   b. Having at the examination desk an unauthorized computer disk or other storage medium containing pre-coded / pre-recorded data, pre-programmable calculator, watch, organizer, mobile telephone, pager, tape recorder, CD or DVD player, or any other electrical or electronic device (whether or not concealed in any manner).
   c. The use of an unauthorized dictionary.
   d. The use of unauthorized material obtained via a pre-programmable calculator, watch, organizer, mobile telephone, pager, tape recorder, CD or DVD player, or any other electrical or electronic device.
   e. Obtaining an advance copy of an "unseen" written examination or test paper.
   f. Communicating or trying to communicate in any un-authorized way (eg. using mobile phones).
   g. Copying or attempting to copy from another student sitting the same examination or test.
   h. Being party to impersonation where another person sits an examination or test in the place of the actual student or a student is knowingly impersonated by another.
   i. Leaving the examination or test venue to refer to concealed notes or other unauthorized material.

j. Removing part of answer sheet, drawing sheet, graph sheet and taking it away from examination room/hall.
k. Theft, destruction or forgery of answer sheet by any means.
l. Disruptive behavior /Misconduct with Examination Staff.

2. On finding a candidate involved in a practice pertaining to unfair means for copying during examinations, the invigilator shall inform the Centre-Superintendent/Deputy Superintendent.
3. The Centre-Superintendent/Deputy Superintendent shall prepare the full report of unfair means of copying providing full evidence of the malpractice used during the examination. The report as well as the evidence found, should be signed by the candidate, invigilator, Deputy-Superintendent and Superintendent.
4. After this the Centre-Superintendent shall present the report to the Controller of Examination who will propose a Fact-Finding Committee to the Vice Chancellor for the investigation of the case.
   On submission of the report by the Fact-Finding Committee, appropriate action will be initiated against the student as per university rules.
5. The student shall be issued an extra sheet to continue his exam. while the evaluation of the answer sheet shall subject to the report of fact finding committee.

9.3 Declaration of Results in Overall Credit Point Average (OCPA), Scholastic Probation and Good Standing

First ordinances

Item No. 11 will be replaced by Item No. 9.3 of Second Ordinance,

The system is based on calculating the Credit Point Average (CPA) and Overall Credit Point average (OCPA). The details of the system are enumerated in succeeding paras.

After completion of evaluation of performance in different sub-components of Internal Assessment (1st Sessional, 2nd Sessional, Attendance and Assignments etc.) and final examination, cumulative results shall be prepared by Controller of Examinations assigning grades and credit point averages.

9.3.1 Grades

Following letter grades may be awarded for a course and shown in the transcripts of the students and their significance would be as given below:

D	-	Dropped
F	-	Fail but eligible for supplementary/re-appear in examination
I	-	Incomplete
S	-	Satisfactory
US	-	Unsatisfactory
W	-	Withdrawn
NC	-	Non-credit
AB	-	Absent in external examination
F-UF	-	Unfair means of Copying

9.3.2 Credits and Credit Points

One credit/credit hour refers to 1 hour of in-class contact for theory and 2 hours of in-class contact for practical and total hours of contact per week would be indicated by credit hours for each course.

Credit Points refer to points earned on the basis of performance of the students in terms of marks obtained out of maximum of 100 marks for each course as given in the Table 1:

General scheme for assigning credit hours for lecture, tutorial and practical of various courses

Contact	Credit Hours (L+T+P)	Contact Hours per week
Lecture	3+0+0	03
Lecture + Tutorial	3+1+0	04
Lecture + Tutorial + Lab. Practical	3+1+1	06
Laboratory Practical	0+0+3	06

Table 1: Conversion of marks obtained into credit points

Sr.No.	Marks Obtained in a particular course out of 100	Corresponding credit points
1.	100.0	10.00
2.	99.0	9.90
3.	98.0	9.80
4.	97.0	9.70
5.	96.0	8.60
6.	95.0	9.50
7.	And so on	And so on

9.3.3 Credit Point Average (CPA)

For each course cumulative credit points shall be calculated by multiplying the credits assigned to the course with credit points. For example, if a student scores 75 marks out of maximum of 100 in a course of 3 credits; then the cumulative credit points earned would be 3x7.5= 22.5 which shall be used for calculating the credit point average (CPA) for all courses taken in a semester by the student.

The CPA would be average of total course credit points divided by total credits hours of all the courses taken in a semester.

Example:

Ser. No	Course Name/Code	Course Credits	Marks out of 100	Corresponding Credit Points	Cumulative Credit PointS
1.	A	4	95	9.5	38
2.	B	4	75	7.5	30
3.	C	2	50	5.0	10
4.		∑=10			∑=78

$$CPA=\frac{\sum(\text{Cumulative Credit Points})}{\sum(\text{Course Credits})}=\frac{78}{10}=7.8$$

9.3.4 Overall Credit Point Average (OCPA):

Overall credit point average (OCPA) shall be calculated taking into account the accumulated credit hours and the credit points. OCPA shall be rounded up to 2 decimal places.

9.4.1 Computation of CPA, OCPA and Award of Grades:

a. At the end of each semester, the Controller of Examination on the basis of the cumulative results of marks secured out of 100 for each course will compute credit point average (CPA) for that semester and overall credit point average (OCPA) for all the previous semesters which may be rounded up to 2 decimal places.

b. For each course, the total marks of various components of internal assessment out of maximum 50 marks will be submitted by the course teacher through HOD and Dean of the college/school to the Controller Examinations prior to the end term examination. After evaluation of the end terms examination answer sheets out of maximum 50 marks the credit point for the course and OCPA will be calculated by the COE and the results declared.

c. Zero (0) credit point shall be awarded for a course in which student obtains 'F' grade.

d. If an undergraduate/postgraduate student obtains less than 40 % marks in theory and 50% marks in practical, he/she shall be awarded 'F' grade.

e. W' grade shall be awarded if a student has been permitted to withdraw from the course within the prescribed date. No credit points shall be awarded and be counted for computing CPA and OCPA.

f. 'I'-grade shall be awarded when a student cannot complete the course/project/training/special/problem on account of a valid reason or due to administrative reasons but the student must clear the same subsequently. If it is a credit course than its credit hours will be excluded for calculating the CPA/OCPA, but when the student clears the course then these would be counted as in normal circumstances.

g. 'S or US', performance of the student in non- credit (NC) courses and in research or in the special project shall be graded as S or US. If a student does not put in the required efforts for the credits he/she was registered, advisor (supervisor) or the teacher in-charge may award US grade for all the credit hours for which he/ she was registered or may award 'S' grade for the reduced number of credits, corresponding to the research done. Only the number of credits cleared with 'S' grade shall be counted towards graduation requirements and not for calculating CPA or CPA.

S and US grade will also be awarded to indicate.

i. That a student has completed the project/ training/ practical field work, if that is prescribed as a part of the graduation requirements.
ii. That a Ph. D. student has passed the comprehensive examination.
iii. That a PG student has passed final viva-voce examination.

h. D'-(dropped) grade shall be awarded if the student has been dropped from the semester for which he/she was registered with the permission of the Dean of the College/School, due to sickness (at least 2 weeks duration)/the female students who are on family way/suffer mis-carriage/undergo medical termination of pregnancy. Medical certificate from the Akal Charitable Hospital or with its endorsement, if the medical certificate is from other hospital, will be required. Permission to drop the semester must be obtained before the start of the end-semester examination. Such a student can register for the next semester with the permission of the Dean concerned.

9.4.2 Good Standing and Scholastic Probation:

a. For promotion to the next semester each student must maintain 'Good Standing' at the end of each semester as to be mentioned in the result report. For maintaining good standing minimum OCPA requirement will be 5/10 for undergraduate students and 5.50/10 for post-graduate students.

b. If a student fails at the end of a semester to achieve the minimum prescribed OCPA as mentioned in clause 9.4.2(a), he/she shall be placed on 'Scholastic Probation' during the following semester and would continue to be under scholastic probation until achieves the required OCPA.

c. If a student continues to be under Scholastic Probation for 2 consecutive semesters, he/she shall be detained and shall not be allowed to register for the subsequent semester without approval of the Vice-chancellor on the recommendation of concerned Dean of the College/School.

d. Students who are detained shall not be promoted to the next semester until they break Scholastic Probation and achieve Good Standing after repeating the required courses or clearing F grade.

e. If a student continues to be detained for 2 consecutive semesters but still wants to pursue studies at the Eternal University then he/she shall be required to apply for re-admission. In such a case exemption may be allowed from courses he/she had passed by the Vice-chancellor on the recommendation by the Dean of the College/School.

f. A student can be given a chance to improve CPA in a passed course in regular examination after paying the required examination fees provided concerned Dean recommends such case.

9.5 Transfer of Credits

When a student migrates to the Eternal University in the middle of a programme from any other university, after following proper procedure as per requirements of both the institutions he/she shall be eligible for transfer of credits.

a. For transfer of credits, he/she shall be required to furnish a certificate regarding transcript/DMC and credits taken in the previous university from the Head of that Institution in which he/she has studied. Alternatively the official DMC/transcripts of the semester/year completed by the candidate may be considered.

b. Transfer of credits shall be determined by a committee consisting of Dean Academic Affairs, Dean of Faculty and Dean of College/School, Head of the Department and Senior-most teacher as subject specialist as per approval of the Vice-chancellor.

c. The committee shall examine the courses/subjects already studied by the student, examinations passed and syllabi thereof.
d. The committee shall recommend the coursewise credits to be transferred which the student shall not be required to study in the Eternal University.
e. Taking into consideration the differences in curriculum, standard of teaching and pattern of evaluation in marks/grades, committee may recommend to retain the awards as such or recommend to change into credit points (CP), credit point average(CPA), and overall credit point average (OCPA).
f. Overall credit point average (OCPA) may be determined taking into consideration the previous CPA if recommended by the committee or may be determined based entirely on courses studied in Eternal University.

9.6 Post-graduate Research:

a. As a part of the course curriculum [see Section 7] all PG students are required to undertake research on a topic related to the research needs of the country under the guidance of a major advisor along with the advisory committee.
b. Different number of credit hours for research work are given for different degrees. Refer to course outline in Annexure I, II and III to see them.
c. Research credits shall be graded as 'S' or 'US' as per clause 9.6. Before submitting thesis, students must have obtained satisfactory grading in all credit hours for research work.
d. Post-graduate research of each student shall be guided by an advisory committee consisting of a major advisor (supervisor) as chairperson and other advisors as members as per approval of the Vice-chancellor for which the Dean, Post-graduate Studies shall propose advisory committee.
e. Before the end of second semester each PG student shall submit synopsis of the research giving title, objectives, hypothesis, review of literature, plan of work/materials and methods, statistical design, data analysis, collaborations (if any) and references cited. Research work should be planned for credits as mentioned above in clause 9.4 so that the student is able to complete within the stipulated period.
f. 'W' grade would be awarded if a student has been permitted to withdraw from the course within the prescribed date. No credit points shall be awarded and credits shall not be counted for computing CPA and OCPA.
g. 'I' grade would be awarded when a student cannot complete the course/ project/training/special/problem on account of the valid reason or due to administrative reasons but the students must clear the same subsequently. If it is a credit course then its credit hours will be excluded for calculating the CPA/OCPA, but when the student clears the course then these would be counted as in normal circumstances.
h. Performance of the students in non-credit (NC) courses and in research or in the special project shall be graded as S or US. If a student does not put in the required efforts for the credits he/she was registered, advisor (supervisor) or the teacher in-charge may award US grade for all the credit hours for he/she was registered or may award 'S' grade for the reduced number of credits. Corresponding to research done, number of credits cleared with 'S' grade shall be counted towards graduation requirements only and not for calculating CPA or CPA.
   S and US grade will also be awarded to indicate.
   (i) That a student has completed the project/training/practical field work, if that is prescribed as a part of the graduation requirements.
   (ii) That a Ph.D. student has passed the comprehensive examination.
   (iii) That a PG student has passed final viva-Voce examination.
   Research work should be planned for credits as mentioned above in clause 9.6b so that the student is able to complete within the stipulated period.
i. Major advisor through Head of the Department and Dean of the College/School shall submit the synopsis for approval of the Research Degree Committee (RDC) chaired by Dean, Post

Graduate Studies. RDC shall be constituted with approval of the Vice Chancellor.

j. Based on the research carried out as per approved synopsis, each student in a prescribed format shall write thesis which may be submitted first as a draft and then the final thesis any time during the semester with approval of the advisory committee. For submitting Master's thesis after 6 semesters and Ph. D. thesis after 8 semesters of the degree programme, permission of the Vice-chancellor shall be required.

k. Students are required to deliver a thesis seminar highlighting the research finding before submitting the draft thesis.

l. Final thesis, 5 copies in case of M.A., M.Sc., M. Tech., and M.P.H. thesis and 6 copies of Ph.D. thesis shall have to be submitted to Research Degree Committee (RDC) chaired by Dean, Post Graduate Studies for approval.

m. For evaluation of thesis, Major advisor, through Dean, Post-Graduate Studies shall give a list of 3 for Master's 6 subject experts for Ph. D. thesis (including at least 3 from outside the state) of which Vice-chancellor shall approve any one for M.Sc. and two for Ph. D. thesis evaluation.

n. Dean, Post Graduate Studies shall get the thesis evaluated and after receiving acceptance report of the thesis for award of degree by the external examiners shall conduct Final Viva-Voce Committee as per provisions of clause 9.2.10 and shall notify the result accordingly.

9.7 Dropping a Student

First Ordinances

Item no 16 of first ordinances is placed under item no 9.7 of second ordinances.

Those students who fail to achieve the minimum OCPA of 5.0 for UG and 5.5 for PG after completion of the period of detainment shall be dropped.

9.8 Discontinuation of studies

First Ordinances

Item no 19 of first ordinances is placed under item no 9.8 of second ordinances.

A student who leaves the college under compelling circumstances with the permission of the Vice Chancellor on the recommendation of the Principal/Dean concerned shall be eligible for re-admission if he/she seeks re-admission within a period of two semesters (excluding the semester in which the student leaves). A student who leaves without the permission shall not be eligible for re-admission.

10. FEE TO BE CHARGED FOR VARIOUS COURSES, EXAMINATIONS, DEGREES/DIPLOMA/CERTIFICATES

10.1 Fee

(i) The fee structure will be as approved by the Himachal Pradesh Government under Clause 32 of the Act No. 3 of 2009.

(ii) The tuition fee shall be charged annually in two equal installments.

(iii) Add-on charges for special facilities/activities will be subject to approval of the Academic Council and the University authorities.

(iv) The University shall be free to charge additional fee for the categories mentioned in Clause 39(4) after the approval of the Academic Council.

(v) The University will also charge the following fees:

(a)	Duplicate Degree (with folder)	:	Rs. 1000/-
(b)	Inter University Migration Certificate (after completion of degree)	:	Nil
(c)	Inter University Migration Certificate (during the degree)	:	Rs. 500/-
(d)	Duplicate Migration Certificate	:	Rs. 500/-
(e)	Provisional Degree Certificate	:	Nil

(f)	Duplicate Provisional Degree Certificate	:	Rs. 500/-
(g)	Transcript (1st. copy)	:	Rs. 1000/-
(f)	Transcript (2nd. copy)	;	Rs. 400/- per copy
(g)	Duplicate DMC	:	Rs. 1000/-
(h)	Character certificate	:	Nil
(i)	Changing the name of the student or his/her father's/ mother's name in the DMC/PDC/Degree and Transcript	:	Rs. 500/- per document
(j)	Other certificates (such as No Backlog, Bonafied etc.)	:	Rs. 100/-
(k)	Certificate of recognition of the University	:	Nil
(l)	Duplicate Certificate of recognition of the University	:	Rs. 100/-

10.2 Security Deposit

(i) Security deposit is charged from the students to cover risk of hostel dues, library books and fines etc. and to ensure their good conduct.

(ii) The Security deposits will be of three types:
   (a) Hostel Security (From all students)
   (b) College Security (from all students)
   (c) Library Security (from all students)

(iii) The amount of security deposits will be given in the prospectus. The security amount will be realized from every student at the time of admission.

(iv) The students can claim refund of security after the completion of the programmme. They will be required to obtain "No Dues Certificate' from the HOD/Dean/Principal, Hostel Warden and the Librarian before any refund is given.

First Ordinances

Item No 9 of First Ordinance as is transferred to item No 10.3 of Second ordinance

10.3 Refund of Fees

The University will refund the entire fee collected from student/candidate after a deduction of processing fee not more than Rs. 1000/- (Rupee One Thousand only) to the student/candidate. If a student leaves after joining the programme and if the seat thus vacated is filled by another candidate before the last date of admission, the university will return the collected fee after proportionate deductions of monthly fee and proportionate hostel rent.

11. COOPERATION AND COLLABORATIONS WITH OTHER UNIVERSITIES/INSTITUTIONS OF HIGHER EDUCATION: MOU'S

11.1 International

(a) Wayne State University, College of Engineering, Detroit (MI), U.S.A. (MOU).

(b) Drexel University, College of Nursing & Applied Sciences, Philadelphia (PA) U.S.A. (MOU)

11.2 National

(a) NIT Hamirprur, H.P. (MOU).

12. ATTENDANCE AND LEAVE FOR STUDENTS

First Ordinances

Item no 17 of first ordinances is substituted by item no. 12 of second ordinances.

12.1 Attendance

All students are expected to attend 100% classes (lectures, practical, seminars, tutorials, quizzes, workshops or any other class organized for delivery of prescribed curriculum). However, following rules and regulations would be adopted regarding the attendance of students during the course of studies.

a. A student must have attended minimum of 75% classes (lectures, practical, seminars, tutorials, quizzes,

workshops or any other class organized for delivery of prescribed curriculum) failing which he/she will not be allowed to appear in the end-semester examination in theory and practical of the course in which his/her attendance falls short.

b. Dean of the College/School will send the attendance certificate of students with the list of eligible students for final examination to the Controller of Examination who will not issue admit card to students whose attendance is unsatisfactory as per clause 12.1 a.

c. Maximum of 5% short attendance due to sickness, hospitalization or other valid reason of the student may be condoned by the Vice Chancellor on the recommendation of the Dean of the College/School.

d. Maximum of 10% short attendance of students for sports and other activities of national and international level may be condoned by the Vice Chancellor on the recommendations of Dean Student Welfare.

e. It will be the responsibility of the student to get his absence/short attendance condoned by the appropriate authority.

12.2 Leave Rules

Unauthorized absence from classes will be construed as breach of discipline and to avoid it students must get prior leave sanctioned in writing from the appropriate authority as given below:

i) Class teacher can sanction for one day leave maximum for 2 times in a semester unless stopped by HOD/Dean of the College/School or by any other authority.

ii) For five days leave on ground of sickness, social function or other valid reasons, Dean of Studies will be the sanctioning authority on the recommendation of the teacher/hostel warden.

12.3 Incentive for Attendance

To encourage students for attending classes 5 marks have been allotted in proportion to the actual attendance i.e. number of classes the student has actually attended as per clause 9.1.2. Therefore, it is in the interest of all students to attend classes regularly. Leave granted as under clause 12.2 (i) and (ii) and condonation of absence as under clauses 12.1 (c) and (d) or any other absence from the class will not be counted towards actual attendance.

13. STUDENT IDENTITY CARD

Dean of Student Welfare or any other officer/agency as authorized by the Vice Chancellor within 45 days of first registration shall issue official student photo-identification card (ID card) giving card number, name of the student, registration number, identification mark, dates of issue and validity, programme/degree to which one is registered and signature and stamp of the issuing authority .

a. Student ID card is non-transferable and is valid for the maximum period of registration for the programme in which student has been admitted.

b. Validity of the ID card would co-terminate with the registration that is if the student after spending sometime does not register for the degree programme or his/her registration is cancelled then the validity of the ID card would terminate automatically. In such cases students are advised to deposit the card in the office of the Dean Student Welfare within 15 days and for not doing so within 15 days student's security deposit/caution money would be forfeited.

c. All students would carry ID cards all times and failure to present the ID card as and when asked by any university official is violation of university rules and regulations and may subject the ID card holder to face disciplinary action.

d. Students would be required to present ID card while seeking access to university facilities and services like library, computer facility, sports, play grounds, hospital, hostel, and also for participation in any other co-curricular activity or programme; without ID card facilities, services and participations may be denied.

e. Students are required to hand over/deposit ID card in event of any disciplinary proceedings against him/her in the event of involvement in unfair means in examinations.

f. Students must carry ID cards for attending classes and examinations.

g. Lost or stolen cards should be reported to the Dean of Student Welfare.

h. Original ID card or its replacement, if lost or spoiled, would be issued after payment of prescribed fee.

14. DISCIPLINARY ACTIONS

First Ordinances

The item no 23 of first ordinances be substituted by item no 14 of second ordinances.

14.1 Rules and procedure adopted in case of Disciplinary Action against any unlawful and in disciplinary activities for students. As per clause 13(2) of the Eternal University (Establishment and Regulation) Act 3 of 2009 of H.P Government.

"The Vice Chancellor is the principal executive and academic officer of the University and shall have the general superintendence and control over the affairs of the University and shall execute the decisions of various authorities of the University." Therefore, the Vice Chancellor is the chief authority to regulate and enforce discipline among the students of the University and to take such disciplinary measures as may be deemed necessary.

14.1.1 Classification of Activities

Vice Chancellor may decide himself based on the facts submitted to him and make the decision and pass orders.

Or

After pondering upon the matter the Vice-Chancellor will constitute a "Fact Finding Committee" to go into the details of the matter and find out the facts, reasons of the incidence by interviewing, hearing, interrogating the persons involved and will report to the Vice-Chancellor about the pros and cons of the incident.

The Vice-Chancellor after due consideration of the report of the 'Fact Finding Committee', may take action himself or will refer the case to the campus 'Disciplinary Committee' constituted by him for the evaluation of the facts, data, evidences, and to recommend the punishment on the basis of the category of the offences. The committee may consider offences in the following categories.

14.1.4 Levels of Offences

(i) Minor Level Offences:

Violation of timing, unauthorized passages of the out of bound areas, absenteeism, dress code violation or any other offences not mentioned here, which in the opinion of the Vice Chancellor falls into this category.

(ii) Middle Level Offence:

Misbehaviour in the classrooms or on the campus, creating nuisance (playing loud music, bursting crackers, shouting slogans), using unparliamentary language, minor damage of property and equipment etc., teasing , use of derogatory language against others, act of rudeness, act of physical abuse, financial extortion, any act that affects the mental health and self-esteem or self-confidence of other students, or any other offence not mentioned here, which the opinion of the Vice Chancellor falls into this category.

(iii) Major Level Offences:

Consumption and possession of alcohol, tobacco, smoking, substance abuse, consumption and possession of narcotics substance, ragging , major damage/ or misappropriation of property, violence and sexual abuse, use of force against examiners/staff/ teachers/students, watching, recording, distribution, circulation of obscene material electronically or by print material etc., stealing books from the library, stealing equipments from the classrooms and the laboratories, use of unfair means in examination(s); or any other offence not mentioned here, which in the opinion of the Vice Chancellor falls into major offence.

14.1.5 Punishment:

(i) Minor Offences:

Fine from Rs. 1,000 to 5,000

And/ or

Suspension from the classes for 1 to 2 weeks

And/ Or

Academic probation for one semester

(ii) Middle level Offences:

Fine Rs. 5,000/to Rs. 20,000

And/ Or

Suspension from the classes for 1 to 4 week

And/Or
Academic probation for one year

(iii) Major Level Offences
Fine Rs. 20,000 to Rs. 50,000/-
And/ Or
Suspension for one year
Or
Expulsion from the university

The power of interpreting, changing, adding to and relaxing these rules is vested in the Vice Chancellor.

14.1.6 Procedure of Investigation

To investigate the offences committed by student(s) the following procedure will be followed:-

(i) The Vice Chancellor or his designated representative may conduct the enquiry himself/herself and take appropriate measures to rectify the situation.

(ii) The Vice Chancellor may give the case to the 'Fact Finding committee', appointed by him. The committee will conduct through investigation (call witness, dig out facts) and the Chairman of the committee will submit a report to the Vice Chancellor with details of the facts fished out by the committee.

(iii) The Vice-Chancellor may take this information from the 'Fact Finding Committee" and act on his own to give the decision or forward the case to the 'Campus Discipline Committee' to do further deliberations and to come up with case. If 'Campus Discipline Committee' chooses to conduct its further Investigations, it may do so.

(iv) The Vice Chancellor may take the recommendation of the 'Campus Discipline Committee' as it is and act on it or he may come up with his own decision and give punishment (s). The recommendations of the 'Campus Discipline Committee' are not mandatory on the Vice Chancellor to follow. He may alter or modify the recommendations of the 'Discipline Committee' based on his own judgment about the case and pass orders.

15. AWARD OF CERTIFICATE OF MERIT, MEDALS AND PRIZES

First Ordinances

The item no 26 of first ordinances be substituted by item no 15 of second ordinances.

The Eternal University has instituted a number of certificates, medals and prizes to recognize the meritorious academic performance of students in different disciplines. Their eligibility conditions are given below:

15.1 Certificate of Merit

a. Certificates of merit shall be awarded to candidates who have achieved an OCPA of 8.00 (10.00 basis) or above at the end of their Bachelor and Master degree programme.

b. Candidate must not have graduated in more than 8 semesters in a 4 years degree programme, 6 semesters in a three year degree programme and in 4 semesters in 2 years degree programme.
c. Candidate should not have been placed on scholastic or conduct probation during the course the degree.
d. Candidate should have no record of use of unfair means in any examination.
e. Students who improve OCPA through repeating a course shall not be considered eligible for the merit certificate.
f. Certificate of merit shall be awarded at the University Convocation.
g. Dean of Studies of each college/school shall send the list of eligible candidates for award of merit certificates to Vice Chancellor, Dean Academic Affairs who shall finalize in a committee consisting of Dean, Academic Affairs as Chairperson and members consisting Registrar, Controller of Examination, Dean Post-graduate Studies, Deans of the Studies of the College/School, Dean of Student Welfare and any other member nominated by the Vice Chancellor.
h. Final list after approval of the Vice Chancellor shall be notified by the Registrar.
i. Any appeal/objection with regard to award of certificate of merit shall be made to Dean, Academic Affairs

within 7 days of the notification and no appeal or complaint whatsoever shall be entertained after 7 days of notification without approval of the Vice-Chancellor. Final list after approval of the Vice Chancellor shall be notified by the Registrar.

15.2 University Medal

a. University Medal shall be awarded to toppers of each class of the batch year who have achieved OCPA not less than of 8.00 (10.00 basis) at the end of their Bachelor's and Master's degree programme.
b. There shall be only one University Medal in each class (not less than 8 students) for the candidate who has achieved highest OCPA. In case there are two or more candidates with the same highest OCPA, the candidate with highest number of credits earned shall be entitled for the award of University Medal. If more than one candidate has the same number of credits and also has the same OCPA, they shall be bracketed and each shall be awarded the University Medal.
c. Candidate must not have graduated in more than 8 semesters in a 4 years degree programme, 6 semesters in a three year degree programme, in 4 semesters in 2 years degree programme.
d. Candidate should not have been placed on scholastic or conduct probation during the course of the degree.
e. Candidate should have no record of the use of unfair means in any examination.
f. Candidate should not have been detained in any semester due to shortage of attendance.
g. Candidate has no record of fail (F-grade), dropped (D grade) or unsatisfactory (US grade) in any examination of the degree.
h. Students who improve OCPA through repeating a course shall not be considered eligible for the merit certificate.
i. University medal shall be awarded at the University Convocation.
j. Dean of Studies of each college/school shall send the list of eligible candidates for award of University Medals to Dean, Academic Affairs who shall finalize in a committee consisting of Dean, Academic Affairs as Chairperson and members of consisting Registrar, Controller of Examinations, Dean, Post-graduate Studies, Deans of the Studies of the College/School, Dean of Student Welfare and any other member nominated by the Vice Chancellor.
k. Final list after approval of the Vice-chancellor shall be notified by the Registrar.
l. Any appeal/objection with regard to award University Medal shall be made to Dean, Academic Affairs within 7 days of the notification and no appeal or complaint whatsoever shall be entertained after 7 days of notification without approval of the Vice Chancellor.

15.3 Gold Medal for Outstanding Achievements

a. Gold Medal for Outstanding Achievements would be awarded to only one student of the university every year based on overall ranking of performance out of 100 marks assigned to different components as given below:
   i) Candidate must fulfill all conditions as given for award of university medal for which 70 marks are allocated.
   ii) Participation in sports and co-curricular activities are allocated 10 marks.
   iii) Should have maintained highest level of discipline, should not have participated in any strike, violated university rule or involved in any such socially unacceptable behavior or act. For these 10 marks are allocated.
   iv) Involved in social work for which the candidate received some recognition or recommendation from reputed social organization (s). For this 10 marks are allocated.
   v) Based on cumulative rank of different components (i-iv) only one candidate with highest score will be selected.
b. Gold medal shall be awarded at the University Convocation.
c. Dean of Studies of each college/school shall send the list of eligible candidates for award of Gold Medal to the Dean, Academic Affairs who shall finalize in a committee consisting of Dean, Academic Affairs as Chairperson and members consisting of Registrar, Controller of Examinations, Dean, Post-graduate Studies, Deans of the Studies of the College/School, Dean of Student Welfare and any other member nominated by the Vice Chancellor.
d. Name of the candidate after approval of the Vice-chancellor shall be notified by the Registrar.
e. Any appeal/objection with regard to award of the medal shall be made to Dean-Academic Affairs within 7 days

of the notification and no appeal or complaint whatsoever shall be entertained after 7 days of notification without approval of the Vice Chancellor.

15.4 Best Alumni of the Year Prize

After graduation from the Eternal University, students work in different spheres of life and some of them make a mark in their field of work and also contribute toward translating the mission of the Eternal University i.e. "World Peace through Value-Based Education". Best Alumni of the Year Prize is instituted to encourage such efforts.

a. Best alumni of the year prize shall consist of a citation and memento with inscription of university logo and names of the university and the recipient, and name (Best Alumni of the Year Prize) and year of award.
b. Eminent persons including University Professors, Deans, Directors, Vice Chancellors, Members of the Kalgidhar Trust, Baru Sahib, Director of Private Limited Companies, General/Regional Manager of Banks or any other employer of similar rank, Presidents/Chairpersons of registered NGO or any other Eminent Person/Organization of similar rank shall be entitled to nominate the Eternal University Alumnus to the Vice-chancellor of the Eternal University.
c. Vice Chancellor of the Eternal University shall constitute a committee of 5 eminent persons who shall recommend name of the best alumnus of the year.
d. Registrar shall notify and invite the alumnus to attend the annual convocation.

16. MIGRATION RULES

First Ordinances

The item no 24of first ordinances be substituted by item no. 16 of second ordinance.

(i) Migration will be allowed if the system of education in the institution from which the student is seeking migration and that of Eternal University is the same including the medium of instruction i.e. English.
(ii) Inter College/University migration will be allowed only if Principles/Directors/Deans of the two institutions agree for migration.
(iii) Migration will not be allowed in the middle of any year and in no case before the completion of one year of the study in the institution where the student has been studying before seeking migration.
(iv) The student seeking migration must have good academic standing. The student should not be on scholastic/conduct probation.
(v) The student must have cleared the required number of credits and courses.
(vi) The migration into University may be allowed only against the vacant seats.
(vii) If the number of students seeking migration is more, the migration will be allowed strictly on merit.
(viii) The student may apply for migration at least one month before the start of a semester.
(ix) Migration fee of Rs. 500/- as prescribed by the University will be charged from the student.

16.1 Migration Form

Eternal University, Baru Sahib

Application for Inter-University Migration

Self-attested photograph

(To be filled in by the applicant in his/her own hand)

A. Fee Rs. 500/- Remitted through DD/ Bank transfer/ Cash Receipt No._____ Date _____

B. Name: (In capitals)

Father's Name: (In capitals)

Mother's Name: (In capitals)

E. U. Registration No.

Institution where studying presently _____

Class _____ University to which Migration is sought _____

_____ Reasons for Migration _____

C. Last examination of this University in which appeared/passed:

Examintion _____ Year/Session_____ Roll No. _____

Result_____

Address _____

_____

Email: _____ Tel/Mobile_____ Signature of Applicant

ATTESTATION Last Exam: _____

I certify that the applicant _____ son/daughter of Sri _____ is the same person and recommend for the issue of migration certificate.

Dated _____

Signature of Dean/HOD

Official Stamp

16.2 Migration Certificate

ETERNAL UNIVERSITY

(World peace through value based education)

---

*Ref.No.*_____ *Date:*_____

MIGRATION CERTIFICATE

Mr. /Ms. _____ D/S/o Sh._____

_____ Registration No. BS _____joined the course

_____ Semester_____ in _____. He/She has passed

his/her last degree _____ from this University in Eternal University has no objection if

He/She is migrate to

_____
(Name of the institution)

Controller of Examination Vice-Chancellor

BARU SAHIB,VIA RAJGARH,DISTT:SIRMOUR,HIMACHAL PRADESH-173101(INDIA)
Tele: 01799-276012,09816400641, 09816800860, Fax: 01799-276006
Website: www.eternaluniversity.edu.in

17. LIBRARY RULES

First Ordinances

The item no 27 of first ordinances be placed under item no. 17 of second ordinances.

(i) Library use is restricted to members only

(ii) Under Graduate students are entitled to a loan of three books and Post-Graduate students five books for a period of two weeks. The loan is not renewable ordinarily. The books may however be renewed if not in demand at the discretion of the library authority

(iii) Any damage, marking, misplacing of pages etc. should be brought to the notice of the librarian at the time of issuing, otherwise the person who get it issued last time will be responsible.

(iv) An overdue charge of Rs. 2/- per volume per day will be realized for the books kept beyond due date.

(v) Books lost or damaged will be paid for or replaced to the satisfaction of Librarian, readers and borrowers shall not write upon, damage or mark, any book, periodical or magazine, infringement of of this kind may require replacement.

(vi) The Librarian may recall any books at any time, if necessity arises.

(vii) Students are instructed not to write anything on library furniture or damage it in any way. If found guilty, disciplinary action will be taken against them.

(viii) Any kind of indiscipline in Library will invite suspension of Library Membership.

(ix) Use of mobile is strictly banned in the library.

(x) Cold drinks and eatable are not allowed in the library.

(xi) The users should always possess identity cards while in the library.

18. REMUNERATION TO EXTERNAL EXAMINERS, PAPER SETTERS, EXPERTS AND OTHERS

First Ordinances

The item no 29 of first ordinances be placed under item no. 18 of second ordinances.

The External Examiners, paper setters and experts will be provided transport by the university. In case the University vehicle is not available, the University may pay for taxi/ own car @ Rs. 8.00 per Km. for plain area(Up to Chandigarh and Nahan) and @ Rs. 10.00 for hilly area. In addition to these rates Rs 1.00 will be paid in summer season for using air condition (applicable to plain area only) and remuneration at the following rates may be paid:-

1. Invited External members for Academic Council Meeting /Board of Studies.	:	Rs. 1000.00 per day
2. Invited External Members for Selection Committee Meeting.	:	Rs. 1500.00 per day
3. Experts-Evaluators of Master Degree Thesis.	:	Rs. 1000.00 per thesis
4. Experts-Evaluators of Ph.D Thesis.	:	Rs. 1500.00 per thesis
5. External Examiners for Ph.D Viva Voce, Comprehensive Exam and Synopsis approval.	:	Rs. 1500.00 per student
6. DA to be paid to invited members and experts.	:	Rs. 250.00 per day
7. Evaluators of answer books	:	Rs. 20.00 per Answer book (Min. of Rs. 800/-)
8. Question Paper setters	:	Rs. 1500.00 per Question Paper
9. Practical Examiners	:	Rs. 50.00 per Student (Min. of Rs. 800/-)

19. FINANCIAL AID TO THE STUDENTS

The Eternal University, being a non-profit organization, facilitates the education of needy and meritorious students without any profit motive. Despite of its limited resources the Eternal University has instituted its financial aid programs in addition to assisting the students in getting educational loans and scholarship from different agencies, so that the students are able to accomplish their educational goals

19.1 Eternal University Tuition-Waiver Scholarship

Tuition fee prescribed for different courses being run by the Eternal University is approved by Govt. of Himachal Pradesh. All students are required to deposit the prescribed amount of the tuition fee and other charges. However, to encourage the meritorious students, the Eternal University offers merit-based 'Tuition Waiver Scholarship' to undergraduate students of the University initially for two semesters extendable on semester-basis for the duration of the course programme in case the student is able to maintain the desired level of performance. Criteria for initial selection include percent marks achieved in the qualifying examination (10+2) or any similar examination) and/or rank in the entrance examination. Tuition waiver may vary from Rs 10,000/- to 30,000/- of the tuition fee for the first year and thereafter the continuation of the award shall depend upon the performance for the purpose of award of tuition waiver every semester had no record of disciplinary action against him or her, candidate is not involved in any act of indiscipline within the university campus or outside, and no enquiry contemplating disciplinary action is pending against him or her.

Eligible candidates within 30 days of admission or 15 days of declaration of results shall apply through Dean of the College/School to the Eternal University Tuition Waiver Scholarship Committee who shall examine all cases submitted within the prescribed period and recommend to the Vice Chancellor whose decision would be final.

19.2 Eternal University Work Study Programme

Eternal University provides financial aid to students on "financially week and eligible" students under work-study programme. For select number of students, work on the campus would be provided @ Rs. 25/- per hour to a maximum of 10 hours per week.

Eligibility:

Post-Graduate and Undergraduate students should be registered for any programme of the Eternal University.

Should not be in receipt of any other financial aid from any other sources.

Should maintain consistently good academic record.

Should have sufficient time to take part-time work

Should justify financial need and inability to support his/her studies.

Should have no record of disciplinary action against him or her, is not involved in any act of indiscipline within the university campus or outside, and no enquiry / contemplating disciplinary action is pending against him or her.

19.3 Post Graduates Assistantships (M. Sc./M.A./MBA/M. Tech.

Based on undergraduate merit, Teaching/Research assistantship amounting to Rs. 10,000/- per academic year. They will have to teach certain number of hours/week to undergraduate students or work in a research project.

19.4 Ph. D. Fellowships

Limited number of Ph. D. fellowships (Rs. 8,000/- per month) on merit. They will have to teach courses at Under Graduate level and practical at Graduate level.

Conditions:

(i) The progress of the students will be monitored each year. These awards will stay in effect till student maintains his/her eligibility percentages.

(ii) No disciplinary action has been taken or being taken against any recipient student.

(iii) The student should be in good standing vis-a-vis class attendance and other norms established by the university.

Note: Equivalent performance in marks percentage and good moral character has to be maintained for continuation of the scholarship assistance throughout the degree.

19.5 Scholarships Opportunities

Number of financial institution offer scholarship opportunities which the students should explore in order to get financial aid to support their education. Some of these are listed below; however, students should pro actively search from their websites or newspaper advertisements and apply well in time.

1 Scholarship Program: Scheme of Post-Matric Scholarships to the Other Backward Classes for Studies in India

Funding agency: Ministry of Social Justice and Empowerment, Govt. of India

Course of Study: Post-Matric

Brief Scholarship Description: Only two children of the same parents/guardian will be entitled to receive scholarships. This restriction will, however, not apply to girls. Accordingly, scholarship availed by girls of same

parents/guardian will not adversely affect admissibility of availing scholarship upto two boys of same parents/guardian.

Website: http://socialjustice.nic.in/postmatric.php?pageid=2

2. Scholarship Program: Post-Graduate Indira Gandhi Scholarship for Single Girl Child

   Employer: UGC

   Level of Study: Master's

   Brief Scholarship Description: The University Grants Commission, based on the initiative of M/HRD, had introduced, Post-Graduate Indira Gandhi Scholarship for Single Girl Child with purpose of supporting higher education through scholarship to such girls who happen to be only child in her family and also to provide incentive for the parents to observe small family norm. The rate of scholarship is Rs. 2000/- p.m.

   Scholarship Website: http://www.ugc.ac.in/notices/igsgc_1011.pdf

3. Scholarship Program: GGGG Scholarship

   Employer: Rai Foundation

   Level of Study: Bachelors and Masters

   Brief Scholarship Description: This GGGG Scholarship covers total tuition, boarding, and lodging costs– including study books, and materials for practical purposes, transportation for educational trips, Mediclaim for Rs. 100000/- per annum and other peripheral activities related to academics are also taken care of by Rai Foundation.

   Scholarship Website: http://www.ccrf.in/scholarship.htm

4. Post-matric scholarship scheme for minority communities

   Funding agency: Ministry of Minority Affairs, Govt. of India

   Course of study: Post-matric courses except LLB, MBA, MCA, BE and MBBS

   Eligibility: Students belonging to Muslim/ Christian/ Sikh/ Buddhist/ Parsi, who have secured not less than 50% marks in previous final examination and the annual income of his/her parents/ guardians from all sources not exceeding Rs. 2 lakhs, can apply for the post-matric scholarship in the prescribed application to the Department dealing with minority welfare of his/her State/UT, on advertisement published by the State Government/ Union Territory Administration concerned.

   Scholarship amount: Tuition and admission fee upto 10,000/- for vocational courses, Rs 3000/ for undergraduate and post-graduate courses plus maintenance cost ranging from Rs 235/- to Rs 355/-.

   Website: http://www.minorityaffairs.gov.in/Postmetric

5. Maulana Azad National Fellowship for Minority Students Scheme

   Last updated 25 April 2012 - 4:50pm

   Scheme Details

Objective: The objective of the Fellowship is to provide integrated five year fellowships in the form of financial assistance to students from minority communities, as notified by the Central Government to pursue higher studies such as M. Phil and Ph.D.The Fellowship will cover all Universities/Institutions recognized by the University Grants Commission (UGC) under section 2(f) and section 3 of the UGC Act and will be implemented by the Ministry of Minority Affairs through UGC for students belonging to the minority communities. The fellowship under Maulana Azad National Fellowship for minority students will be on the pattern of UGC Fellowships awarded to research students pursuing regular and full time M. Phil and Ph.D courses. The fellowship ers under this Fellowship will be known as Ministry of Minority Affairs scholars.

Scope: The Fellowship will cater to the requirements of the minority community students pursuing research studies leading to regular and full time M.Phil and Ph.D courses only and equivalent research degree in universities, research institutions and scientific institutions within India. This will enable them to be eligible for employment to the posts with M. Phil and Ph. D as pre-requisites, including the posts of lecturers in various academic institutions.

Implementing Agency: UGC will be the nodal agency for implementing the Fellowship. UGC will notify the Fellowship by releasing suitable advertisement in the newspapers, internet, web page and other media.

6. Foundation of Academic Excellence and Access (FAEA) Scholarships

Funding Agency: Confederation of Indian Industry

Course of Study: Undergraduate courses in arts/commerce/science/ medical/ engineering and other professional and technical disciplines at any institution in India.

Financial Support: To cover full or partial cost of the study plans.

Description: Students who pass 10+2 examination are eligible and selection is on the basis of their academic excellence, social and economic background. The number of scholarships to be given each year will be announced by May/June every year. Scholarship Program will provide support to the students selected for up to three years in the first instance. This can be extended for another two years for postgraduate study depending upon the student's performance in the graduate exams as well as availability of funds.

Website: www.faea.in

Contact information: Foundation for Academic Excellence and Access (FAEA)
C-25, Qutab Institutional Area, New Mehrauli Road
New Delhi - 110 016.
Phone: +91 11 4168 9133
Fax: +91 11 4168 9133
E-mail: inquiry@faeaindia.org

7. Post Doctoral Fellowship To Women Candidates For The Year 2011-12

The UGC has changed the name of the old scheme "Part Time Research Associateship for Women" as "Post Doctoral Fellowship for Women candidates". The unemployed women candidates holding Ph.D. degree in their respective subject areas with an aim to accelerate the talented instincts of the women candidates to carry out the advanced studies and research.

OBJECTIVE

The objective of this award is to provide an opportunity to carry out the advanced studies and research in science, engineering and technology, humanities and social sciences in Indian Universities and Colleges recognized under Section 2 (f) and fit to receive assistance under section 12(B)of the UGC Act 1956/Institutes of National Importance established by the Central/State Government.

The candidate should not be more than 55 years of age as on 1st July of the year of application. The total duration of the fellowship is five years. There shall be reservation for SC/ST/OBC/Physically Handicapped candidates as per provision of the constitution and instructions issued by the Govt. of India from time to time. 55% marks at UG level and 60% of marks at PG level in case of general/open category, while for reserved category candidates, those will be 50% at UG level and 55% at PG level respectively. Age up to 55 years for the candidates belonging to general/open category and that will be 60 years for reserved category/minority community. Only Ph.D awarded unemployed candidates will be eligible for the award of Post Doctoral Fellowship.

ELIGIBILITY:

i) The candidate must have a doctorate degree in the relevant subject preferably with published research work to their credit.
ii) In case of general/open category, 55% marks at UG level and 60% of marks at PG level.
iii) For reserved categories (SC/ST/OBC/PH) candidates, 50% at UG level and 55% at PG level.
iv) The upper age limit for applicants is 55 years for the candidates belonging to general/open category and 60 years for SC/ST/OBC/PH/Minority communities, as on 1st July on the year of application.

Application in the prescribed format may be submitted only through online mode latest by 24th February, 2012 (non- extendable) by logging into website at : www.ugc.ac.in/pdfw

20. DRESS CODE

The Eternal University considers that discipline is not only essential for learning of students but is also important for their safety, well-being, and personality development. Good conduct and manners, disciplined student life and socially and culturally acceptable dresses are critical factors for the educational process and for propelling students toward successful careers. Students of the Eternal University are, therefore, required to adopt the prescribed dress code and improve their conduct and maintain discipline and academic atmosphere at the campus. Understanding and employing good behaviors not only improves the quality of learning and one's life, but also contributes to optimum morale, as well as embellishes the overall campus image.

The Eternal University attaches great importance to modest and good dressing in conformity with our cultural values and traditions. Divine and pristine environment of Baru Sahib Campus of the Eternal University not only insulate the young minds of boys and girls from social evils in the polluted environment of cities and towns but requires them to develop strong disciplined personalities along with learning of scientific knowledge and skills. Therefore, the students are encouraged to develop and imbibe philosophy of dressing and grooming in conformity with our traditions and values which our society has developed over the years. Moreover, particular dress code provides professional recognition and respect and a great sense of discipline. Therefore, all students of the Eternal University are required to adhere to a prescribed dress code the violation of which may be considered as an act of indiscipline.

21. HOSTEL RULES

First Ordinance Item No. 28 is replaced by Item No. 21 of second Ordinance

These Rules are in conjunction with and in continuation of the rules regarding student Discipline and Behavior provided in Chapter IV and elsewhere in the statutes and ordinances. A student who violates any of these Rules will make himself/herself liable to strict disciplinary action. All the parents/ guardians of the students are also advised to go through the Hostel Rules carefully before applying for a seat to be allotted for their ward in the hostel, as these Rules are to be followed very strictly by the students.

a. Boarders must maintain perfect discipline and congenial atmosphere for studies in the Hostel. Any student who breaks Hostel discipline will invite punitive action which may result in expulsion from the Hostel or even the University.
b. All kinds of shouting, hooting, violent knocking or any other act of movement or behavior that is liable to cause disturbance or annoyance to the residents is prohibited.
c. No student will keep any unauthorized person in his/her room. If any such person is found in the room of any student, such defaulting student will be liable to be summarily expelled.
d. Students found misusing electricity will be fined heavily in addition to the cost of repairs, if any, and the matter will be reported to the Dean/Principal for disciplinary action as he/she deems fit.
e. Air conditioners, coolers, Refrigerators, Electric Stoves or any other electrical appliances needing heavy electricity consumption are not allowed. Television, Tape recorder, Audio video CD player, Video Cassette Recorder/ Player are also not permitted to be held/used in Hostel rooms/ anywhere else in the Complex.
f. Dealing in general and especially with fellow students should be courteous and polite. All quarrels and disputes with fellow boarders should be avoided. Residents must not take law into their.
g. Teasing, maltreating or indulging in any ragging is prohibited.
h. Residents are strictly forbidden to utilize Hostel staff for personal work or interfere with their work or maltreat them or use abusive language for them in any way. No excuse whatsoever will be accepted for a breach of this rule. All complaints against Hostel staff should be brought to the notice of the Hostel superintendent/Warden who will investigate the matter and take appropriate action.
I. Boarders should not keep fire arms, lethal weapons, poisonous materials or intoxicants of any kind in the Hostel.
j. Students will not stay back in the Hostel during college working hours without written permission of the Principal/Dean student welfare or Medical Officer when placed sick in quarters.
k. No visitor shall be allowed to enter the Hostel under any circumstances.

l. Male officials or other male staff members, working anywhere in Baru Sahib Complex is not permitted to enter the Girls Hostel at any time. (Whenever any type of maintenance is required is required to be carried out in the girl's hostel over the activities of the maintenance staff until they leave the hostel).
m. In the event of any suspected mischief/ foul play or accidents etc. inside the rooms the warden and the hostel Superintendent are authorized to break open the affected room for investigations.
n. It is mandatory for all students to be dressed up properly at all times as per the prescribed dress code while moving out of their respective Hostel for any purpose whatsoever. However, once they are inside their respective Hostel, students may change in to a casual dress.
o. No money or article or gift is permitted to be received from or to be given to the staff or other persons located in the campus.
p. In order to maintain security of the residents and their property, all belongings of Hostel residents can be subjected to security check whenever required. Similarly materials being brought in or taken out of the Hostel may also be checked by Hostel/Security Staff for the same reasons.
q. The Hostel gate shall remain locked between 8.30 p.m. to 4.50 a.m. every day for boy's Hostel and between 8.00 p.m. to 4.50. a.m. for Girl's Hostel.
r. In order to ensure their safety, honor and security, whenever girl student leave the Hostel, during authorized timings, it should not be one's or in two's but in groups of three or more.
s. Any sudden illness, even minor ailment, must be reported to the Hostel superintendent/ Warden by the student or friends concerned at once.
t. In case a student is sick, he/ she should report at the Akal Hospital and obtain a 'Sick-in Quarter Slip' which would be shown to the Warden and Hostel Superintendent who in turn will inform the Principal.
u. Each student must occupy the room allotted to him/her for the Academic/session by the Warden and no change of room will be made without permission of the Hostel Superintendent.
v. All resident students are responsible for proper up- keep of the rooms allotted to them. They will be held responsible for any damage done to furniture and fixtures if any in the room.
w. If any student leaves the hostel and fails to hand over to the Hostel Warden all the items of furniture and fixtures provided by the management in the room in good condition, he/ she will be liable to be fined, apart from being required to pay for any damage done.
x. At the end of each Academic Session and before leaving the Hostel, each student must obtain from the Superintendent, a certificate to the effect that the furniture/ fixtures lent to him/ her has been returned in good condition.
y. Water, electricity and generator charges will be as per actual. This will be revised as and when diesel price or electric tariffs are revised.
z. No student will be allowed to stay in the Hostel after the termination of the Academic Session or during the period of Holiday Breaks except with the prior approval of the Vice Chancellor.

22. PROHIBITION OF AND PUNISHMENT FOR RAGGING

a. Ragging in any form shall be strictly prohibited, within the premises of University or Faculty/School/College or institution or outside the faculty/school/college.
b. Any individual or collective act or practice of ragging shall amount to a gross indiscipline and shall be dealt with under this statute.
c. Ragging for the purposes of this statute, ordinarily means any act, conduct or practice by which dominant powers or status of senior students is brought to bear on students freshly enrolled or student who are in, way considered junior by other students and includes individual or collective acts or practices which-
    a) Involve physical assault or threat to use of physical force;
    b) Violate the status, dignity and honor of women students;
    c) Violate the status, dignity and honor of the students belonging to the scheduled Castes and Tribes;
    d) Expose students to ridicule and contempt and affect their self-esteem; and
    e) Entail verbal abuse and aggression, indecent gestures and obscene behavior.

d. The Dean of a Faculty/school/college, the Head of the Department or an Institution, the authorities or faculty/school/college or University Hostel or Halls of Residence shall take immediate action on any information of the occurrence of ragging.
e. Notwithstanding anything in Clause (4), the officer may also enquire into any incident of ragging and make a report to the Vice Chancellor of the identity who are engaged in ragging and the nature of the incident.
f. The Officer may also submit to the Vice Chancellor an initial report establishing the identity of the perpetrators of ragging and the nature of the ragging incident.
g. If the Dean of a Faculty/school/college or Head of the Department or Institution is satisfied that for some reason, to be recorded in writing, it is not reasonably practical to hold such an enquiry, he may so inform the Vice Chancellor accordingly.
h. When the Vice Chancellor is satisfied that it is not expedient to hold such enquiry, his decision shall be final.
i. On receipt of a report under Clause (5) or (6) or a determination by the relevant authority under clause (7) disclosing the occurrence of ragging incidents described in clause 3(a), (b) and (c), the Vice Chancellor shall direct or order rustication of a student or students for a specific number of years.
j. The Vice Chancellor may in other cases of ragging order or direct that any student or students be expelled or be not for a stated period, admitted to a course of study in a faculty/school/college. Department Examination for one or more years or that the result of the student concerned in the examination or examinations in which they appeared be cancelled.
k. In case any students who have obtained degrees of the university are found guilty under this statue, appropriate action for withdrawal of degrees conferred by the university shall be intimated.
l. For the purpose of this statute, abetment of ragging whether by way of any act, practice or incitement of ragging shall also amount to ragging.
m. All institution within the university system shall be obligated to carry out instructions/directions issued under the statute, and to give aid and assistance to the Vice Chancellor to achieve the effective implementation of the statute.

23. ALUMNI ASSOCIATION

An Alumni Association is an organised group of people/former students who studied at Eternal University in the past and are willing to share their views and experiences gained from heterogeneous endeavours in their lives after leaving the university. This organisation will organise social events, publish newsletter or magazines and raise funds for the organisation. It will also support new alumni and provide a forum to form new friends and business relationships with people of similar backgrounds. Therefore, the fundamental characteristic that unites them and brings them together is the unique shared experience of having spent time in various fields.

An Alumni Association is being formed in Eternal University. The aim of this association is to celebrate and capitalize the unique rapport established amongst the students and faculty, while on campus in the university. The membership is open to:-

(1) Its degree holders.
(2) Members of the teaching faculty of the Eternal University.
(3) Graduates of other universities, India or Foreign, on whom membership is conferred by the Executive Council of the Alumni Association.

The detailed hand book on Alumni Association will be published later on.

There is a requirement to fill a form to become a member of this association. The requisite form is enclosed.

ETERNAL UNIVERSITY

ALUMNI ASSOCIATION MEMBERSHIP FORM

Please enrol me as a Life Member of the association.
(Please attach one passport photograph)

Name:_____

Father's Name_____

Date of Birth_____

Occupation with address:_____

_____Phone_____

Residential address:_____

_____

Phone _____E-mail, if any_____

Association with Eternal University:

(1) Degree(s) obtained _____Year_____

_____Year_____

(2) Registration No._____

Date:_____ Signature_____

Suggestions for excellence of Eternal University:

_____

_____

_____

MEMBERSHIP FEE

- Life Membership : Rs. 500/- (for students)

Cash/Cheque/Draft No: _____Dated:_____

Amount: _____Drawn on:_____

In favour of Dean, Students Welfare, Eternal University, Baru Sahib.

For use by Dean Students Welfare

Form received through_____

Receipt No _____Dated_____. Entered in Roster of Alumni at number _____.

(Authorised Signatory)

Baru Sahib, Via Rajgarh, Distt: Sirmour, (HP.) 173101 (India)
Tele: 01799-276012, Fax: 01799-276006
Email. contact@eternaluniversity.edu.in Web site: www.eternaluniversity.edu.in

24. LEAVE RULES FOR EMPLOYEES OF ETERNAL UNIVERSITY, BARU SAHIB

1. These rules shall apply to all the employees of the Eternal University, Baru Sahib.
2. The power of interpreting, changing, revising, relaxing and implementations of these rules is vested with the Vice Chancellor.
3. Leave cannot be claimed as a matter of right. The leave is subject to the conditions that it can be granted without detriment to the business of the university. When the urgency of service so demands leave of any type can be refused or revoked by the sanctioning authority. Casual leave may be granted by the Dean of Studies.
4. Leave begins from the date on which leave as such is actually availed of and ends on the day preceding on which the duty is resumed.
5. The week end holidays and gazetted leaves may be prefixed as well as suffixed to leave.
6. A leave account of each employee shall be maintained in the Register's office.
7. The leave is earned by duty only and hence can be availed in proportion to the length of service in a calendar year.
8. Leave of the Dean of Studies, Registrar, Chief Finance and Account Officer, Controller of examination, Librarian shall be sanctioned by the Vice Chancellor only.
9. No employee shall proceed on leave in anticipation of its sanction.
10. The sanction of leave can be withdrawn by the sanctioning authority at any time and when a sanction of leave is withdrawn, an employee must return to duty within a reasonable time, otherwise he /she shall be treated as absent from duty without permission. Reasonable time would mean the time as may be determined by the sanctioning authority.
11. Before proceeding on leave the employee shall furnish his/her postal address including telephone/mobile number on which he /she could be contacted, if necessary.
12. If the annual increment becomes due on a date falling during the period of leave other than the casual or academic leave the effect of increase of pay will be given from the date of the employee resumes duty without any change in the normal date of increment.
13. No provision of compensatory leave.
14. An employee of the university who remains absent from duty after the expiry of his/her leave will not be entitled to any leave salary for the period of absence without leave unless such absence has been regularised by the Vice Chancellor.
15. A wilful absence of any employee of the university from duty after the expiry of leave may be treated as misbehaviour and breach of discipline involving forfeiture of appointment or termination of service at the discretion of the Vice Chancellor.
16. An employee on leave in whose place a substitute has been appointed will not return on duty before the expiry of leave granted to him except with the permission of the sanctioning authority, Vice Chancellor.
17. Each and every kind of leave except casual leave shall be sanctioned by the Vice Chancellor.
18. No employee shall leave the station during any kind of leave or holidays even though he may not have been assigned any duty in connection therewith, without the prior permission of the competent authority ie Dean/Vice Chancellor.
19. Before proceeding on any kind of leave the employee will ensure the name of his/her substitute and get it approved by the sanctioning authority.
20. In the Eternal University leaves of the following kinds shall be availed of:-
    - i) Casual Leave
    - ii) Medical Leave
    - iii) Maternity Leave
    - iv) Study Leave
    - v) Academic Leave
    - vi) Sabbatical Leave
    - vii) Extra Ordinary Leave
    - viii) Earned Leave

24 (I) CASUAL LEAVE

1. A whole time teacher/employee of the university shall be eligible for casual leave for domestic and private affairs. Casual leave shall be given for 8 days plus four restricted leaves in a calendar year in the order given below:-

List of Restricted Holidays:-

i) Shri Guru Gobind Singh's Birthday
ii) Guru Ravi Dass'S Birthday
iii) Maha Shiv Ratri
iv) Baisakhi
v) Ram Nawami
vi) Raksha Bandhan
vii) Janamashtami
viii) Idul Zuha (Bakrid)
ix) Maharishi Balmiki's Birthday
x) Karva Chauth
xi) Muharram
xii) Shri Guru Nanak Dev Ji Birth day
xiii) Guru Teg Bahadur's Martydam Day
xiv) Christmas Day

a) After putting one month service an employee can enjoy one day casual leave or restricted leave.
b) Casual leave/restricted leave shall not be treated as absence from duty and the Pay and Allowances of an employee shall not be deducted.
c) Casual leave and restricted leaves can be prefixed or suffixed with any other kind of designated academic breaks or any kind of leave.
d) No employee shall leave the station during casual leave without permission of the sanctioning authority.
e) An employee will apply for casual leave and get it sanctioned before availing it.
f) Holidays/closed days falling within the period of casual leave shall not be counted as casual leave.

24 (ii) MEDICAL LEAVE

1. The employees of the Eternal University, Baru Sahib are entitled to avail 10 days medical leave in a calendar year.
2. The medical leave will be given to an employee in the following order:-
   a) No medical leave shall be granted unless the authority competent to sanction leave has reason to believe that the employee will return to duty on the expiry of medical leave.
   b) One day medical leave shall be granted with the production of a medical certificate of hospitalisation while on casual leave.
   c) The employee shall be sanctioned medical leave up to five days with the production of a certificate from a Senior Specialist or Senior Medical Officer of Akal Hospital. In case of out station Medical Certificate, it should be countersigned by the competent medical authority of the Eternal University.
   d) The employee shall be granted medical leave up to ten days after providing the certificate from the Chief Medical Officer or Senior Medical Officer of the university along with the prescription and cash memos of the medicine being taken by him/her.
   e) Medical leave can only be availed when person is sick and not for any medical /Dental check-up or for illness in the family.

24 (iii) MATERNITY LEAVE

1. A female employee of the Eternal University shall be granted maternity leave for a maximum of sixty days.
2. Maternity leave will be granted to a female employee who has completed two years of regular service in the university.
3. It will apply to all the female employees of the university irrespective to the nature of duties.
4. During maternity leave the female employee will be entitled to draw her salary and allowances etc.
5. Maternity leave will be granted only by the Vice Chancellor on the recommendation of the Chief Medical Officer/Senior Medical Officer of Akal Hospital.
6. Maternity leave shall also be granted in case of miscarriage but such leave shall not exceed four weeks only after six months pregnancy. This kind of leave shall be granted by Vice Chancellor only on the production of medical certificate as given above.

24. (iv) STUDY LEAVE

1. Study leave shall be granted to a teacher below the rank of professor for study or research leading to M.Sc./Ph.D. degree up to a period of three years only by the Vice Chancellor. It will be without pay.
2. An application for grant of study leave shall be made at least six months before a teacher intends to avail of study leave and shall furnish the following details:-

a) The course of study or research contemplated with a detailed programme.
b) Full particulars of financial assistance as scholarships or any other assistantship likely to be received.
c) Study leave shall be granted to a permanent whole time teacher with not less than six years continuous service to pursue a special line of study/research related to his work in the university.
d) In the first instance leave shall be granted for a period of two year and it may be extended for another year after receiving progress report from the host institute of study.
e) An application for grant of leave shall be submitted to the Vice Chancellor through the chairman/Head of the Department /Dean of Studies.
f) No teacher shall be entitled to this leave as a matter of right.
g) A teacher who has been granted study leave shall execute a bond to serve the university on return from study leave for a period of not less than three years.
h) If a teacher fails to submit the earned degree or any certificate as the case may be within one month from the date of his /her return from study leave, he/she shall not be entitled to earn any annual increments.
i) In case the study of the teacher is not completed within 3 years, then after receiving the recommendation of his supervisor or tutor the period of study leave may be extended by the Vice Chancellor. This can be extended to a maximum of one year.
j) The period of study leave shall count as service for the purpose of retirement benefits provided that the teacher rejoins the university on the expiry of his study leaves.
k) Study leave granted to a teacher shall deemed to be cancelled in case it is not availed of within two months of its sanction.
l) A teacher who has been granted study leave shall submit to the Vice Chancellor six monthly reports of progress in his study through his Supervisor or the Head of the Institute.
m) A teacher who has been granted study leave will not be permitted to alter substantially the course of study or the programme of research without the permission of the Vice Chancellor. When the course of study falls short of study time sanctioned the teacher shall resume duty on the conclusion of the course of study, the teacher will have to obtain the prior permission to this effect from the Vice Chancellor.
n) Study leave will not be granted to a teacher who is due to retire within nine year of the date on which he/she is expected to return to duty after the expiry of study leave.
o) Study leave shall be granted to a teacher purely on merit and keeping in view the strength of teacher in the concerned department. If the strength of teachers is less than five then study leave may not be granted to any teacher of the department.

24. (v) ACADEMIC LEAVE

1. The Vice Chancellor on the recommendation of the Dean of Studies may grant academic leave for a period of ten days in three years to a university teacher for attending seminars, conferences, symposia winter/summer school, short refresher course invited or invited for attending meeting of selection committee or academic advisory boards of the other university, government or governmental organizations.
2. This kind of leave shall be granted with full salary and allowances.
3. No allowances as such TA/DA other than the registration fee shall be paid by the university.

24. (vi) SABBATICAL LEAVE

1. Sabbatical leave shall be granted for a period of six months to pursue higher study or research or other academic pursuit solely for the object of increasing proficiencies and usefulness to the university. The sabbatical leave will be granted without pay and allowances.
2. Only professors are eligible to avail this leave who have put at least six years of continuous service in the professor's grade.
3. The programme which will be followed during the sabbatical leave shall be submitted to the Vice Chancellor for approval alongwith the application for grant of leave six months before the leave is intend to be availed of.
4. The professor shall not take up any regular appointment under another organization in India or abroad during the period of sabbatical leave.
5. This kind of leave shall not be granted to a professor who has less than four years' service left before attaining the age or superannuation.
6. He /she shall execute a bond that after the expiry of such leave he/she shall return to the service of the university and serve thereafter for at least three years.

7. On return from the leave the professor shall report to the Vice Chancellor about the nature of study, research or writing work undertaken during the period of leave within fifteen days.

24. (vii) EXTRA ORDINARY LEAVE

1. Extra-ordinary leave shall always be without pay and allowances.
2. The period of Extra-ordinary leave will not count for increment.
3 Extra-ordinary leave may be combined with any other leave except the casual leave.

24. (viii) EARNED LEAVE

1. All the employees of the Eternal University are entitled to earn 22 days Earned leave for a period equivalent to half of the unavailed 44 vacation holidays during the following festivals and semester breaks:-
   a) Holi holidays 5 days + two weekends.
   b) Diwali holidays 5 days + two weekends.
   c) 14 days summer break.
   d) 20 days winter break.
2. Most of the employees have been availing the above vacation holidays by taking turns such a way that the university remains open during vacations. All or part of the unavailed above vacation holidays can be converted into half the days of the earned leave which can be availed as per the following rules:-
   a) Each faculty/staff member is entitled to a maximum of 22 days in lieu of 44 vacations and may avail earned leave not more than twice in one year. A minimum day of earned leave a person may avail is 5 at a time. Application for earned leave should be submitted at least 10 working days before proceeding on leave and must submit departure and joining reports. University has the right to cancel earned leave during the leave period in the interest of the university work.
   b) Permission of the competent authority for availing vacations during the period to be notified by the university as per needs of the academic calendar and other work is mandatory.
   c) Earned leave shall be accumulated to a maximum of 180 days. Accumulated earned leave shall be encashed on superannuation or after minimum of 20 years of service at the rate of average pay of the last 10 months of the service.
   d) Accumulated earned leave can also be availed for career advancement with the approval of the competent authority provided the application for admission fellowship/academic assignment has been routed through the university.

Ph. 23236351, 23232701, 23237721, 23234116
23235733, 23232317, 23236735, 23239437

www.ugc.ac.in

सत्यमेव जयते

Speed Post

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002

UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

F.No. 9-16/2009 (CPP-I/PU)

February, 2011

24 FEB 2011

The Registrar,
Eternal University, Baru Sahib,
(Via Rajgarh), Distt. Sirmour,
Himachal Pradesh – 173 101.

Sub: - Inspection of Eternal University, Baru Sahib, Distt. - Sirmour (H.P) (State Private University).

Sir,

I am directed to refer to the visit of the Expert Committee to Eternal University, Baru Sahib, Distt. - Sirmour (H.P) on 17 to 19th December, 2010 to assess its physical and academic infrastructure and to say that the Report was considered by the Commission in its 475th meeting held on 3rd February, 2010 (Item No. 5.02). The Commission resolved as under:-

"The Commission approved the report of the UGC Expert Committee, which visited Eternal University, Baru Sahib, Distt – Sirmour, (Himachal Pradesh) (Private University) and decided that a compliance report may be called for from the University. It was also decided that henceforth the bureau concerned should provide a status note of the private university under consideration with reference to the provisions contained in the UGC "Establishment of and Maintenance of Standards in Private Universities" Regulations, 2003, while placing such matters before the Commission. The Commission further decided that in future all reports of the Expert Committee should contain the above mentioned status report along with the other details.

It was also decided that henceforth compliance report submitted by a private university may also be placed before the Commission for consideration/information."

Accordingly, you are requested to send compliance report in respect of the observations / suggestions / deficiencies pointed out by the UGC Expert Committee. A copy of the report is enclosed.

This is also stated that Eternal University, Baru Sahib, Distt. - Sirmour (H.P) has been established by Act (No. 3 of 2009) of State Legislature of Himachal Pradesh as a State Private University and is empowered to award degrees as specified by the UGC under section 22 of the UGC Act 1956 through its main campus in regular mode with the approval of statutory councils, wherever required.

Apart from the above, it may also please be noted that the University has to take immediate action on the following:

1. No off campus centre(s) is opened by the University outside the territorial jurisdiction of the State in view of the judgement of Hon'ble Supreme Court of India in case of Prof. Yash Pal Vs State of Chhattisgarh.

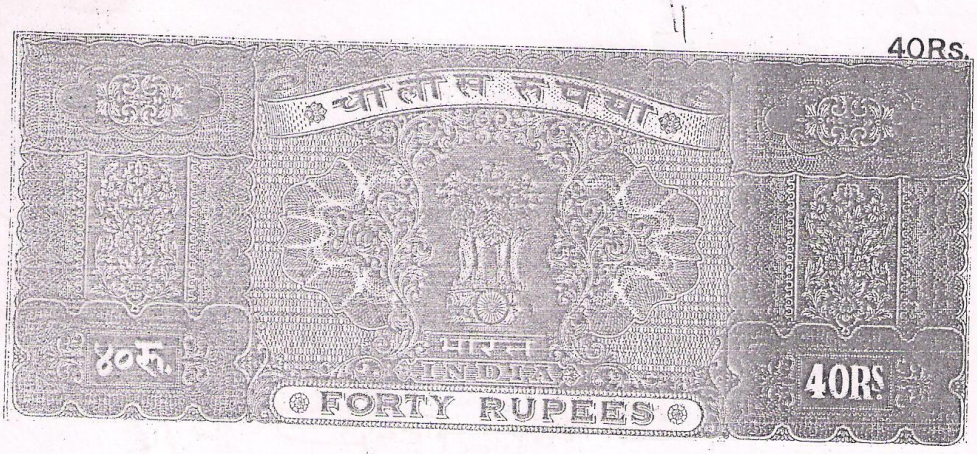
2. In case the University has already started any off campus centre outside the State, it must be closed immediately. It may also be ensured that any off campus centre within the State shall be opened only as per the provision laid down in the UGC (Establishment of and maintenance at standards in Private University) Regulation 2003 and with the prior approval of UGC.

3. The University shall not have any affiliated Colleges.

4. The University has to follow UGC (Minimum standards and procedure for award of M.Phil / Ph.D degree) Regulations, 2009.

Yours faithfully,

(Shashi Bala Arora)
Under Secretary



DEED OF TRUST

THIS DEED OF TRUST is made in the city of Simla on 22ndOct.82 by Shri Iqbal Singh son of Late Shri Sanwal Singh resident of Shamsherpur, Paonta Sahib, District Sirmur (Himachal Pradesh), at present, Director of Agriculture, Himachal Pradesh, Simla-5, hereinafter called the founder of the Trust to be henceforth known as "The Kalgidhar Trust".

WHEREAS the founder at present is possessed of funds of Rs.11,000.00 (Rupees Eleven thousand o-nly) deposited i-n the Savings Bank Account No.4/572 of the State Bank of India Branch of Boileauganj, Simla-5 and as the Founder has an intention to create a Charitable Trust under the name of "The Kalgidhar Trust" for the purposes hereinafter specified for which purpose the founder intends to place the above funds at the disposal of the Trust and the Trustees named hereunder vesting them with full proprietary trust to utilize the same so as to carry on the intents and purposes of the trust.

Iqbal Singh

SUB-REGISTRAR
SIMLA

Now this Trust Deed witnesses as follows:-

1. That the amount of Rs.11,000/- which was lying in the bank account of the founder as referred to above has been t-ransferred in the newly opened account of the Trust and is d-eclared as T-rust property and the same is placed at the disp-osal of the Trustees, hereinafter named.

Iqbal Singh

1226

Shanti Vardan,
Distt. Court Simla H.P.

21/10/

वे विलेख अटेस्ट 5 तक 15/2

REGISTRAR
SIMLA

Transfer 22-1-82

2 से 3 तक के
इकबाल सिंह पुत्र Sawal Singh
मलोरपुर पोन्धाघाटी
सिरमौर

REGISTRAR
SIMLA

Iqbal Singh

इकबाल सिंह

Founder की

Iqbal Singh ने स्वयं जानते हैं।

REGISTRAR
SIMLA

2. That the Trust shall be known as "The Kalgidhar Trust" which shall, at present, function at Castle Grove, Boileauganj, Simla-5, the residence of the founder of the Trust. This office, situation can be changed by the founder or otherwise with the mutual consent of the Trustees.

3. That the Founder shall from time to time made available to the Trust funds might become surplus with the founder or which the founder may deem it proper to be placed at the disposal of the Trust. The Trust will also accept donations and acquire moveable and immoveable properties and utilise the same for achieving the aims and objectives of the Trust. The Board of the Trustees will have full rights to dispose off any moveable or immoveable property in the interest of the Trust and the sale proceeds will be deposited in the accounts of Trust. All the donations and income of the Trust shall be deposited in a scheduled bank by opening fixed deposit accounts or Savings Fund Accounts or Current Accounts etc. and the same would be utilized for achieving the aims and objects of the Trust. The Corpus of the Trust i.e. the initial amount depos-ited will not be reduced or destroyed.

Iqbal Singh

SUB-REGISTRAR, SIMLA

Aims, Objects and purposes of the Trust.

The main objective of establishing "The Kalgidhar

Iqbal Singh

Trust" is to promote peace in the world through spiritual resurrection, w-hich is according to the wishes, blessings a-nd guidlines of His Holiness Sant Attar Singh Ji Maharaj and Sant Teja Singh Ji, who left this world in 1927 and 1965 respectively and merged with 'God'. To achieve this ideal, the Trust would endeavour to undertake and establish the following and utilize the income and other properties of the Trust for the same,

1. To establish the main advance centre of spiritual studies at Sant Attar Singh Hari Ashram, Baru (Himachal Pradesh) with coordinating spiritual centres in other parts of India and abroad.

2. To provide at each centre necessary facilities such as places of worship (temples), residences with free kitchen (Langar) and other basic needs for not only devotees and spiritual students but also for the visting p-ersons irrespective of any religion, caste, sex, colour or creed.

3. To establish institutions for training of dedicated and devoted missionaries and messangers of peace and assisting them for spreading the message of spiritualis[illegible]

4. To promote and develop facilities for education in science, technology, humanities, religion and spiritualism o-r any other field of human development and to open up schools, coll-eges or other institutions for these purposes.

5. To establish homes for the old p-ersons to provide them basic needs and suitable environment for their own spiritual uplift and dissemination of the same for spreading the message of peac-e.

Iqbal Singh

Iqbal Singh

ADD. REGISTRAR
SHIMLA

6. To render help and assistance to helpless orphans, widows, handicaps, 'Pinglas' and other weaker sections of the society and mankind as well as needy persons affected by natural calamities like floods, famines, earth-quakes, wars and riots etc.

7. To provide health cover and medical aid to human beings irrespective of any religion, caste, sex, colour or creed and also to establish, dispensaries, hospitals and other medical institutions for the same at various centres.

8. To appoint or employ persons part-time or whole-time for achieving the aims and objectives of the Trust.

9. To organise spiritual training camps and "Gurmat and Kirtan Smagams" and tours to various spiritual centres in the world.

10. To write, edit, publish and disseminate literature for realising the various objectives of the Trust.

11. To promote and carry out any other activities for the welfare, economic and spiritual uplift of the humanity.

TRUSTEES.

1. Permanent Trustees.

The following shall be the first Trustees of the Trust:

1. Shri Iqbal Singh, Sant Colony, Shamsherpur, Paonta Sahib, H.P., Director of Agriculture, Himachal Pradesh, Simla-5.
2. Shri Gian Singh, Sant Colony, Shamsherpur, Paonta Sahib, H.P.
3. Shri Um-rao Singh, Retd. Deputy Director of Agriculture, Village Mangarh, Tehsil Pachhad, District Sirmur, H.P.
4. Dr. Gurbakhash Singh, Sant Colony, Shamsherpur, Paonta Sahib, H.P., Associate Director of Research, Punjab Agriculture University, Ludhiana.

Sub-REGISTRAR SIMLA

Iqbal Singh

5. Dr.Pritam Singh, Sant Colony, Shamsherpur, Paonta Sahib,H.P., Medical Practitioner, Dasuya, District Hoshiarpur (Punjab).

6. Dr.Khem Singh, Sant Colony, Shamsherpur, Paonta Sahib, H.P., Dean, Punjab Agriculture University, Ludhiana.

7. Shri Ghambir Singh, Retired Deputy Director of Agriculture, Kandaghat, Distt.Solan,H.P.

8. Shri Santokh Singh, Mahant, Janam Asthan Sant Attar Singh Ji Maharaj, Village Cheema, District Sangrur (Punjab).

9. Dr.Hardyal Singh, Sant Colony, Shamsherpur, Paonta Sahib,H.P., Assistant Professor Extension Education, Punjab Agriculture University, Ludhiana.

10. Shri Harbhajan Singh, Village Baru, Tehsil Pachhad, District Sirmur,H.P.

11. Shri Kesar Singh, Narang Niwas, Badripur,Paonta Sahib, District Sirmur,H.P.

2. Non-Permanent Trustees.

That the Founder President of the Trust in consultation with the other permanent trustees may appoint or nominate number of non-permanent trustees with a right to vote and holding office for one year. For the first ~~time~~ term, the Founder has in consultation with Trustees named the following as Non-Permanent Trustees:-

1. Shri Harbans Singh, J-3/3, Rajouri Garden, New Delhi-110027.

2. Shri Gurnam Singh, A-2/19, Rajouri Garden, New Delhi-110027.

3. Dr.Inderjit Singh, 2/211, Subhash Nagar, New Delhi-110027.

SUB-REGISTRAR SIMLA

After the demise of the founder such power will vest with the permanent trustees to appoint and nominate non-permanent trustees. However, the founder or the Trustees, as the case may be, shall have the power to re-nominate or reappoint any non-permanent trustee for any number of terms. The number of non-permanent trustees shall not increase from the permanent trustees.

Removal of Permanent Trustees.

That the Trustees appointed hereabove shall normally remain so till their life. A Trustee shall, however, be considered removed from the office of the Trusteeship in case of his death or becoming insolvent/insane. The opinion of the simple majority of the Trustees will be final as to determine insanity or insolvency of a Trustee. A Trustee will stand remo-ved on acceptance of the resignation tendered or in case of trustee going abroad permanently or otherwise becoming incapable to hold the office on account of some offence or conviction. A trustee who will fail to attend three consecutive meetings of the Trust without sufficient cause may also be removed by the Board of the Trustees. The o-pinion of the simple majority of the Trustees would be final as to determine whether the defaulting Trustee had sufficient caus-e or not in not attending the deliberations of the Trustees. The Trustees shall be entitled to remove any Trus-tee, permanent or N-on-permanent, whose act and conduct is considered prejudicial to the interest and welfare of the Trust but such an expulsion shall only be made at leas-t by simple majority of the Trustees, present and voting.

Filling Vacancies of Permanent Trustees.

That in case of any vacancy on account of any reason whatsoever as i-ndicated above or due to the death of any permanent Trustee, a new Trustee shall be appointed by a simple majority of the remaining Trustees.

Patrons, Advisors, Consultants and Special Invitees.

That the Trustees by majority may name some eminent person/persons who may be otherwise considered eligible to

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the appo-intment of the office of the trusteeship to be the Chief Patron, Patron(s), Advisor(s), Consultant(s), or may invite persons of repute as special Invitees to any or all of their meetings. The Trustee shall consider the advice tendered by these p-ersons but these persons shall have no right to vote in the meetings of the Trust. These persons shall enjoy their respective positions at the pleasure of the T-rustees. Any dignitory may be appointed Chief Patron, Advisor or Consultant by virtue of the position and office held b-y him and such a person shall cease to be the Chief Patron, Patron, Advisor or Consultant on his laying down office but the Trustees shall be at liberty to reappoint or re-nominate him at their pleasure.

Office Bearers of the Trust.

1. Shri Iqbal Singh, the founder of the Trust shall be the first President of the Trust for his life term and woul-d appoint the office bearers like Vice-Presidents, Secretaries, General Secretaries and Treasurers etc. for a term of one year, which term may be extended, if required. For the present, Shri Umrao Singh, Retd. Deputy Director of Agriculture, Village Mangarh, Distt.Sirmur,H.P. would be Vice-President, Dr.Gurbakhash Singh, Associate Director of Research, Punjab Agriculture University, Ludhiana would be Secretary, Shri Gurnam Singh, A-2/19, Rajouri Garden, New Delhi would be General Secretary and Shri Harbans Singh, J-3/3, Rajouri Garden, New Delhi and Shri Harbhajan Si-ngh, Village Baru, Tehsil Pachhad, H.P. would be Treasurer and Associate Treasurer respectively of the Trust. After the demise of the founder, the Trustees shall elect out of the permanent trustees every

SUB-REGISTRAR SIMLA

year one President, Vice-Presidents, Secretaries, Treasurers with a simple majority. The Founder, however, reserve unto him the right to name the President after his demise by way of a will or as might be indicated by him in one of the meetings of the Trustees, and the period for which such of the person named will continue to remain as President. In the absence of such indication given by the Founder, the Permanent Trustees will elect the President for every year as mentioned above.

Meeting and Quorum.

A meeting of the Board of Trustees will be convened by the Pre-sident at least once in a year or more frequently as and when necessity arises to decide the matters concerning the operations of the Trust.

2. Normally quorum for a meeting shall be 1/2 of members of the Board of Trustees. In case the meeting is adjourned for want of quorum, subsequent meetings shall be held with 1/3rd of the members as quorum.

Miscellaneous.

1. The Bank acco-unt of the Trust shall be operated upon by the President and one other Trustee or office holder jointly as may have full powers to spend any amount on any items of the aims and objects of the Trust, but the same would be put up in the General meeting of the Trust for confimation. Expenditure over and above Rs.5,000/- would require approval of the Trustees. The President will be having full powers and authority to delegate his powers for operating bank account to any other Trustee or office bearer.

REGISTRAR
LA

The Nalgida Trust
BARU SAHIB

№ 117823 Himachal Government Judicial Paper

2. The Secretaries/General Secretaries/Treasurers shall maintain proper accounts of income and expenditure of the Trust as entrusted by the President of the Trust, which would be put up in the Annual Meeting of the Trust.

3. That the Trustees by a majority vote may frame and enact Bye-laws, Rules and Regulations for the proper conduct of business and for the efficient functioning of the Trust but all such Bye-laws, Rules, Regulations shall be framed within the ambit, scope and power given hereunder and must not be inconsistent with the main clauses of the Trust. The bye-laws, Rules etc. so enacted may be amended for the welfare of the Trust by three-fourth majority of the Trustees.

4. All other decisions as have not been specified in this Deed shall be carried out by majority vote of the Trustees.

5. That the Founder of the Trust during his life-time shall have the power to veto any decision of the Trustees and his decision regarding any matter even with regard to the removal or expulsion of a Trustee shall be final and binding and shall be given due respect as if it were a decision of the entire Board of the Trustees.

6. That the Trustees by a majority vote may creat or establish committees/sub-committees to manage various centres and institutions of the Trust and carry out their activities effectively and for such purpose may also lay guidelines for such committees.

REGISTRAR
SIMLA

The Radhaswami Trust
RADHASWAMI

№ 117825 Himachal Government Judicial Paper

7. That with a view to enable the Trustees to satis-factorily carry out the intents and purposes of the Trust hereinbefore declare, the Board of the Trustees is her-eby authorised and empowered to do acts, deeds, things which may be reasonable, proper and for the evident advantage of the Trust.

IN WITNESS WHEREOF the founder of the Trust has set his hands to this Deed in the presence of marginal witnesses.

Iqbal Singh

(Iqbal Singh)
Founder of the Trust.

Witnesses

1. Simon
P.O. SIMON.
ASSISTANT PROTECT OFFICER.
SIMLA.

SUB-REGISTRAR
SIMLA

2. P K Banerjee
(PRAMAB KUMAR BANERJEE)
SENIOR ANALYTICAL CHEMIST
SIMLA-5.

Drafted by

Devinder Gupta
Advocate,
(Devinder Gupta).
SIMLA.

The Kalgidhar Trust
BARU SAHIB

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. North-West/1-2454963170/2015/EOA Date: 07-Apr-2015

To,
The Principal Secretary
(Education Deptt.) H. P. Secretariat,
Shimla-171002

Sub: Extension of approval for the academic year 2015-16

Ref: Application of the Institution for Extension of approval for the academic year 2015-16

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	North-West	Application Id	1-2454963170
		Permanent Id	1-503761281
Name of the Institute	ETERNAL UNIVERSITY, AKAL COLLEGE OF ENGINEERING AND TECHNOLOGY	Institute Address	V.P.O. BARU SAHIB, VIA RAJGARH, DISTT. SIRMAUR, HIMACHAL PRADESH, VIA RAJGARH, SIRMAUR, Himachal Pradesh, 173101
Name of the Society/Trust	THE KALGIDHAR TRUST	Society/Trust Address	V.P.O. BARU SAHIB,VIA RAJGARH,SIRMAUR,Himachal Pradesh,173101
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2015-16

Note: This is a Computer generated Letter of Approval.No signature is required. Letter Printed On:18 April 2015

Printed By : AIC004917

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-2454963170			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCEINCE & ENGINEERING	FULL TIME	Eternal University Baru Sahib , Sirmour	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Eternal University Baru Sahib , Sirmour	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FULL TIME	Eternal University Baru Sahib , Sirmour	60	60	NA	NA	NA
MANAGEMENT	1st Shift	POST GRADUATE	BUSINESS ADMINISTRATION	FULL TIME	Eternal University Baru Sahib , Sirmour	60	60	NA	NA	NA

Note: Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that ETERNAL UNIVERSITY, AKAL COLLEGE OF ENGINEERING AND TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Dr. Avinash S Pant

Note: This is a Computer generated Letter of Approval.No signature is required. Letter Printed On:18 April 2015

Printed By : AIC004917

Actg Chairman, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   Plot No. 1A, 5th Floor, DTE(Pb..) Building,
   Dakshin Mark, Sector 36-A, Chandigarh-160 036

2. **The Director Of Technical Education,**
   Himachal Pradesh

3. **The Registrar,**
   Eternal University Baru Sahib , Sirmour

4. **The Principal / Director,**
   ETERNAL UNIVERSITY, AKAL COLLEGE OF ENGINEERING AND TECHNOLOGY
   V.P.O. BARU SAHIB, VIA RAJGARH, DISTT. SIRMAUR, HIMACHAL PRADESH,
   VIA RAJGARH,SIRMAUR,
   Himachal Pradesh,173101

5. **The Secretary / Chairman,**
   THE KALGIDHAR TRUST
   V.P.O. BARU SAHIB,
   VIA RAJGARH,SIRMAUR,
   Himachal Pradesh,173101

6. **Guard File(AICTE)**

राष्ट्रीय अध्यापक शिक्षा परिषद्
(भारत सरकार का एक विधिक संस्थान)
उत्तर क्षेत्रीय समिति

गुरुर्गुरुतमो धाम
NCTE

NATIONAL COUNCIL FOR TEACHER EDUCATION
(A STATUTORY BODY OF THE GOVERNMENT OF INDIA)
Northern Regional Committee

F.NRC/NCTE/F-7/NRCAPP-51/183rd meeting (II seating) /2011/ 12848 Dated:

21 NOV 2011

To,

The Correspondent/ Secretary
The Kalgidhar Trust
455, Baru Sahib,
Baru Sahib, Sirmaur
Himachal Pradesh 173101,

Sub:. Sending the Copy of office order F.NRC/NCTE/F-7/NRCAPP-51/183-11 meeting/2011/10390-96 dated: June 29, 2011 regarding.

Ref: Your letter no. Gen/KT/P/11/80 dated 14th September, 2011

Sir

Please refer to your above said letter in which you have mentioned that you have not received the office order dated 26.06.2011.

The Northern Regional Committee considered the matter of you institution in its 183rd meeting (II Seating) held from 08 to 14 July, 2011 and decided that the formal recognition order under clause 7 (11) of the NCTE regulation 2009 for 100 seats in B.Ed. from the session 2011-12 be issued to the institution. Accordingly an order was issued to the institution on 29.06.2011.

Copy of above said order is enclosed herewith for further necessary action at your end.

Your faithfully,

18/11/11

Regional Director

Enclosed: As above

उत्तर क्षेत्रीय समिति
राष्ट्रीय अध्यापक शिक्षा परिषद्
(भारत सरकार का एक विधिक संस्थान)

गुरुर्ब्रह्मा गुरुर्विष्णु
NCTE

Northern Regional Committee
National Council for Teacher Education
(A Statutory Body of the Government of India)

No./NRC/NCTE/NRCAPP-51/2015/ 117877-82 Date: 2 JUL 2015

TO BE PUBLISHED IN GAZETTE ON INDIA PART III SECTION 4

ORDER

WHEREAS, in exercise of the powers conferred by sub-section (2) of Section 32 of the National Council for Teacher Education Act, 1993 (73 of 1993) and in supersession of the National Council for Teacher Education (Recognition Norms and Procedure) Regulations, 2009, the National Council for Teacher Education has notified the Regulations, 2014 on 01.12.2014.

2. AND WHEREAS, the recognition was granted by NRC to Akal College of Education, Plot No. 45, Baru Sahib, Tehsil – Pachhad, District – Sirmour – 173101, Himachal Pradesh for B.Ed. Course vide order No. NRC/NCTE/NRCAPP-51/183-II/2011/10390-96 dated 29.06.2011 with an annual intake of 100 seats.

3. AND WHEREAS, the said institution has by affidavit consented to come under New Regulations and sought for two basic units in B.Ed., which require additional facilities.

4. AND WHEREAS, it has been decided to permit the institution to have two basic units of 50 students each subject to the institution fulfilling following conditions namely.

(i) The institution shall create additional facilities that include (a) additional built-up-area, (b) additional infrastructure, (c) additional funds, (d) adhere to staff norms as per Regulations, 2014 and inform Regional Committees with required documents by October 31, 2015.

(ii) The application-Institution for additional unit will be required to submit the required documents such as land documents, Encumbrance Certificate (EC), Land Use Certificate (LUC) and the Building Plan (BP) in the specified proforma available on the website to the Regional Committee in proof of having provided additional facilities before October 31, 2015. Building completion Certificate (BCC) may be given along with other documents if available, otherwise it can also be given to the Visiting Team at the time of inspection.

(iii) The Regional Committees shall arrange for verification of documents, inspection of these premises and check adherence to these condition by 20 February, 2016. If it is found by the Regional Committee that the institution fails to comply with these requirements, the institutions shall not be permitted to admit students for the academic year 2016-2017.

(iv) In case any existing institution's matter is sub-judice under court direction/SCN under section 17 of the NCTE Act/ Complaint etc., the institution shall be required to submit a copy of the Hon'ble Court order/reply to SCN/complaint/already submitted alongwith the documents, if any together the documents referred above. In case the institution's request for shifting of premises is pending, such institution shall be required to submit the requisite documents as per provisions of the NCTE Regulations, 2014 with a copy of the order/NOC of the affiliating body/State Govt. and such other documents as indicated in the revised format recognition order. The final decision shall be subject to the directions given by the Hon'ble Court in the Writ Petition/case decided by the Northern Regional Committee in respect of Section 17/complaint cases etc.

4. Now therefore, in the light of the above, the Northern Regional Committee, NCTE hereby issues the revised Recognition Order to Akal College of Education, Plot No. 45, Baru Sahib, Tehsil – Pachhad, District – Sirmour – 173101, Himachal Pradesh for conducting B.Ed. programme of two years duration with an annual intake of 100 for two basic units of 50 students each from the academic session 2015-16 subject to fulfillment of the conditions mentioned herein before 31.10.2015.

5. Further, the recognition is subject to fulfillment of all such other requirements as may be prescribed by other regulatory bodies like UGC, affiliating University/ Body, State Government etc. as applicable. The affiliating body (University/State Govt.) shall also be required to verify the authenticity of the land & building documents as well as appointment of requisite teaching & non-teaching staff as per provisions of the NCTE Regulations, 2014 by the concerned institution before grant of affiliation to an institution.

4th Floor, Jeevan Nidhi-II, LIC Building, Ambedkar Circle, Bhawani Singh Marg,
Jaipur -302 005 (Rajasthan), Phone:(0141)- 2744288, 2744635, Fax : 0141-2744173
E-mail. : nrc@ncte-india.org, Website : www.ncte-india.org

6. The institution shall submit to the Regional Committee a Self-Appraisal Report at the end of each academic year along with the statement of annual accounts duly audited by a Chartered Accountant.

7. The institution shall maintain & update its website as per provisions of NCTE Regulations and always display following as mandatory disclosure.

(a) Sanctioned programmes along with annual intake in the institution.
(b) Name of the faculty and staff in full as mentioned in school certificate along with their qualifications, scale of pay and photograph.
(c) Name of faculty members who left of joined during the last quarter.
(d) Names of students admitted during the current session along with qualification, Percentage of marks in the qualifying examination and in the entrance test, if any, date of admission, etc.
(e) Fee charged from students.
(f) Available infrastructural facilities.
(g) Facilities added during the last quarter.
(h) Number of books in the library, journals subscribed to and additions, if any, in the last quarter.
(i) The affidavit with enclosure submitted along with application.
(j) The institution shall be free to post additional relevant information, if is so desires.
(k) Any false or incomplete information on website shall render the institution liable for withdrawal of recognition.

If the institution Contravenes any the above conditions or the provision of the NCTE Act, Rules, Regulations and Orders made and issued there under, the institution will render itself liable to adverse action including withdrawal of recognition by the Regional Committee under the provisions of Section 17(1) of the NCTE Act.

By Order,

(Dr. S. K. Chauhan)
Regional Director

The Manager to Govt. of India,
Department of Publications, (Gazette Section)
Civil Lines, Delhi – 110 054

Copy to:-

1. The Secretary / Correspondent, Akal College of Education, Plot No. 45, Baru Sahib, Tehsil – Pachhad, District – Sirmour – 173101, Himachal Pradesh.
2. The Principal, Akal College of Education, Plot No. 45, Baru Sahib, Tehsil – Pachhad, District – Sirmour – 173101, Himachal Pradesh.
3. The Secretary, Department of School Education and Literacy, Ministry of Human Resource Development, Govt. of India, Shastri Bhawan, New Delhi- 110001.
4. The Director, Directorate of Higher Education, I/C Teacher Education, Govt. of Himachal Pradesh Directorate, Shimla, HP.
5. The Registrar, Himachal Pradesh University, Shimla, Himachal Pradesh
6. The US (Computer), National Council for Teacher Education, Hans Bhawan Wing-II, I, Bahadur Shah Zafar Marg, New Delhi- 110 002.
7. Office order file/ Institution file.

आई॰ एन॰ सी॰ सेन्टर, एनबीसीसी सेन्टर, प्लॉट न. 2, कम्यूनिटी सेन्टर, ओखला फेज–1, नई दिल्ली – 110020

INDIAN NURSING COUNCIL
8th Floor, NBCC Centre, Plot No. 2, Community Centre, Okhla Phase-I, New Delhi - 110020

स्वास्थ्य एवं परिवार कल्याण मंत्रालय के तहत सांविधिक निकाय
Statutory Body under the Ministry of Health & Family Welfare

F.No.1-6/(LT)-2017-INC

Dated: 15 MAY 2017

To,

2287

The Registrar,
Eternal University,
Baru Sahib, Via- Rajgarh.
Sirmour, Himachal Pradesh.

Sub: University Recognition – reg.

Dear Sir/Madam,

Indian Nursing Council has granted the approval to **Eternal University,** Baru Sahib, Via-Rajgarh, Sirmour, Himachal Pradesh taken as an Authority under Section 10, Indian Nursing council Act 1947 for the purpose of said Act subject to the following condition:

- No distance education under Nursing can be offered by the University.
- No Nursing program including Ph.D (N) can be offered without the permission of Indian Nursing Council.
- Nursing Faculty will be a member of examination/Academic Board/Council.
- ANM & GNM cannot be offered by the University. Examination for these courses will be conducted by State Nursing Council/exam board.
- Only those programmes shall be offered which are recognized by INC. Just changing the nomenclature of the courses i.e. Home care provider etc. shall not be offered by the University.
- Faculty of Nursing should be independent and not under the Faculty of Science/Faculty of Medicine.
- The copy of examination schedule shall be provided to INC every year. Indian Nursing Council may conduct the inspection during the period of examination.

This issues with approval from the competent Authority

Yours faithfully

(K S Bharati)
JOINT SECRETARY

Copy to:

1. **The Registrar,** Himachal Pradesh Nurses Registration Council, Old Dental College Building, Near IGMC, Shimla – 171001 (Himachal Pradesh)
2. **The Director,** Department of Medical Education and Research, Block No. 18, S D A Complex, Kasumpti, Shimla, Himachal Pradesh 171009.

Seen and circulate among all concerned for compliance
L.I.S. Dhaliwal 29/05/17

Sd/-
(K S Bharati)
JOINT SECRETARY

Scanned by CamScanner

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A Statutory Body of the Govt. of India)
7th Floor, Chanderlok Building, Janpath, New Delhi-110 001
Ph. : 011-23724151-57 Extn. : 225 Website : www.aicte-india.org

PUBLIC NOTICE FOR APPROVAL PROCESS 2016-17

In view of order dated 6.1.2016 passed by Hon'ble Supreme Court of India in Civil Appeal No(s) 6938/2015 titled as Orissa Technical Colleges Association v/s AICTE & Ors., AICTE invites applications for approval from all technical institutions including **affiliated Technical Colleges and also new Technical Colleges which will require affiliation by a University/ Concerned Board of Technical Education** for conducting technical programs/courses including courses of Management **for the academic session 2016-17** as per the following:

(a) Applications for "Setting up New Technical Institutions offering Technical Programs (Engg. & Tech. / Pharmacy / Architecture and Town Planning / Applied Arts & Crafts / Management / HMCT / MCA) at Degree/ Post Graduate Degree / Post Graduate Diploma / Diploma / Post Diploma levels affiliated to Universities / Concerned Board of Technical Education".

(b) Applications for below mentioned processes in "Existing Technical Institutions offering Technical Programs (Engg. & Tech. / Pharmacy / Architecture and Town Planning / Applied Arts & Crafts / Management / HMCT / MCA) at Degree / Post Graduate Degree/Post Graduate Diploma / Diploma / Post Diploma levels affiliated to Universities/ Concerned Board of Technical Education".

Sl. No.	Details of the Process	Sl. No.	Details of the Process
i	Change of Site/Location	viii	Closure of Program and / or Course
ii	Closure of Institution	ix	Introducing / continuing supernumerary seats for PIO/ FN
iii	Conversion of Women's Institution into Co-educational Institution and vice-versa	x	Introducing / continuing seats for sons/ daughters of NRIs
iv	Extension of Approval	xi	Change of name of Institute
v	Increase in intake in existing courses only for valid NBA accredited courses	xii	Introduction of Integrated Courses in existing Institutions having valid NBA accredited courses
vi	Adding new Course(s) in existing Institutions having valid NBA accredited courses	xiii	Introduction of Fellowship program in Management in existing Institutions having valid NBA accredited courses
vii	Reduction in intake	xiv	Introduction of Twinning Programs

- **Filing online applications for the session 2016-17** in respect of all approvals as above **shall begin on 21st January, 2016** and shall **end on 21st February, 2016.**
- **Processing of all applications submitted online for the session 2016-17** in respect of all approvals as above shall begin on 22nd February, 2016 and shall end on 10th April, 2016.

All applicants are requested to read the AICTE Approval Process Hand Book (2016-17) and Regulations of All India Council for Technical Education (Grant of approval for Technical Institution) Regulation, 2012 very carefully and thoroughly, before submitting online applications on AICTE Web Portal www.aicte-india.org for the academic session 2016-17.

Avinash S. Pant
Vice Chairman

Advt. No: Approval/01(02)/2016

Size 12(w)x16(h)cm

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. North-West/1-2454963170/2015/EOA Date: 07-Apr-2015

To,
The Principal Secretary
(Education Deptt.) H. P. Secretariat,
Shimla-171002

Sub: Extension of approval for the academic year 2015-16

Ref: Application of the Institution for Extension of approval for the academic year 2015-16

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Regional Office	North-West	Application Id	1-2454963170
		Permanent Id	1-503761281
Name of the Institute	ETERNAL UNIVERSITY, AKAL COLLEGE OF ENGINEERING AND TECHNOLOGY	Institute Address	V.P.O. BARU SAHIB, VIA RAJGARH, DISTT. SIRMAUR, HIMACHAL PRADESH, VIA RAJGARH, SIRMAUR, Himachal Pradesh, 173101
Name of the Society/Trust	THE KALGIDHAR TRUST	Society/Trust Address	V.P.O. BARU SAHIB,VIA RAJGARH,SIRMAUR,Himachal Pradesh,173101
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2015-16

Note: This is a Computer generated Letter of Approval.No signature is required. Letter Printed On:18 April 2015

Printed By : AIC004917

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-2454963170			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
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ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Eternal University Baru Sahib , Sirmour	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FULL TIME	Eternal University Baru Sahib , Sirmour	60	60	NA	NA	NA
MANAGEMENT	1st Shift	POST GRADUATE	BUSINESS ADMINISTRATION	FULL TIME	Eternal University Baru Sahib , Sirmour	60	60	NA	NA	NA

Note: Validity of the course details may be verified at www.aicte-india.org>departments>approvals

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Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Dr. Avinash S Pant

Note: This is a Computer generated Letter of Approval.No signature is required. Letter Printed On:18 April 2015

Printed By : AIC004917

Actg Chairman, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   Plot No. 1A, 5th Floor, DTE(Pb..) Building,
   Dakshin Mark, Sector 36-A, Chandigarh-160 036

2. **The Director Of Technical Education,**
   Himachal Pradesh

3. **The Registrar,**
   Eternal University Baru Sahib , Sirmour

4. **The Principal / Director,**
   ETERNAL UNIVERSITY, AKAL COLLEGE OF ENGINEERING AND TECHNOLOGY
   V.P.O. BARU SAHIB, VIA RAJGARH, DISTT. SIRMAUR, HIMACHAL PRADESH,
   VIA RAJGARH,SIRMAUR,
   Himachal Pradesh,173101

5. **The Secretary / Chairman,**
   THE KALGIDHAR TRUST
   V.P.O. BARU SAHIB,
   VIA RAJGARH,SIRMAUR,
   Himachal Pradesh,173101

6. **Guard File(AICTE)**

H.P PRIVATE EDUCATIONAL INSTITUTIONS
REGULATORY COMMISSION
MAJITHA HOUSE COMPLEX, SHIMLA-171002 (HP)
Phone No. +91-177-2629665, 2629663 Fax-+91-177-2629664
Email- secy-perc-hp@nic.in

HP-PERC/CA/Eternal/2016-17- 2325. dated Shimla-2, the 31st December, 2015

From

The Chairperson,
H.P. Private Educational Institutions,
Regulatory Commission, Shimla -2

To

The Registrar,
Eternal University,
Baru Sahib, Distt: Sirmour, HP

Subject: Course Approval for the academic session 2016-17

Sir,

Kindly refer to the proposal submitted by you for course approval for the academic session 2016-17 and the information supplied regarding the above cited subject. I am directed to inform that, on consideration of the proposals and the information supplied, the following courses are approved for academic session 2016-17:

I. Existing Courses

Sr. No.	Department	Name of Courses	Approved intake for 2016-17	Remarks
1	Engineering & Technology	B.Tech ECE	60	
2		B.Tech CSE	60	
3		B.Tech EEE	60	
4		M.Tech ECE	18	
5		M.Tech CSE	18	
6		M.Tech Renewable Energy	18	
7	Basic Sciences	BA (Hons) Mathematics	B.Sc. (Hons) Mathematics-60	
8		B.Sc. Medical	30	
9		B.Sc. Non Medical	30	
10		M.Sc Chemistry	30	
11		M.Sc Physics	30	
12		M.Sc. Maths	30	
13	Agriculture	B.Sc. Agriculture (Hons.)	60	For increase in seats from 60 to 90, NOC from the State Govt. may be obtained first.
14		B.Tech Food Technology	60	

15		M.Sc Bio-Tech	30	
16		M.Sc Food Technology	30	
17	Economics, Commerce & Management	B.Sc. Economics (Hons)	40	
18		B.Com (Hons)	60	
19		M.Sc. Economics -	30	
20		MBA	60	
21		M.Com	30	
22	Arts & Social Sciences	B.A. (Hons) Music-	40	
23		BA Humanities	40	
24		MA English	30	
25		MA Music	30	
26	Health and Allied Sciences	B.Sc. Nursing	60	
27		M.Sc Nursing	30	
28		MPH	30	
29	Education	B.Ed.	100	

Add on courses:

Sr. No.	Department	Name of Courses	Remarks
1	Arts & Social Sciences (Add on courses with B.A, B.Sc.& B.Com)	Arts & Crafts	The existing practice to continue.
2		Library Science	
3		Physical Education	
4		Music	

31/12

II. New Courses

The following new courses with sanctioned intake indicated against each are approved for academic session 2016-17:

Sr. No	Name of Deptt.	Name of Course	Approved intake for 2016-17
1	Akal College of Basic Sciences	B.Sc. (Hons) Chemistry	60
2		B.Sc. (Hons) Physics	60
3		B.Sc. (Hons) Biochemistry	30
4		B.Sc. (Hons) Botany	30
5		B.Sc. (Hons) Zoology	30
6		B.Sc. (Hons) Microbiology	30
7		B.Sc. (Hons) Psychology	30
8		M.Sc. Biochemistry	30
9		M.Sc. Botany	30
10		M.Sc. Zoology	30
11		M.Sc. Microbiology	30
19	Health & Allied Sciences	MHA	30
22	Arts & Social Sciences	Add-on-courses for B.A. Humanities 1. Carrier Guidance and Counselling	-

III. M.Phil/Ph.D Programme

The proposal for running M.Phil/Ph.D programmes is being invited separately.

Terms and conditions for running of the courses

The running of the existing as well as new courses is subject to the following terms and conditions:

1. **The approval for existing as well as new courses is on the specific condition that faculty and physical academic infrastructure must be in place before the issue of prospectus. The University shall indicate in the prospectus the following information for the information of the students, general public and State Govt.:**
   a. Names and academic bio-data of faculty available for each course.
   b. Physical academic infrastructure must find mention in the prospectus.
   c. Course wise seats approved indicating the seats reserved for the scheduled caste/scheduled tribes/ physically handicapped and himachali candidates.
   d. Fee structure approved for each course.
   e. Scholarship scheme(s) if any.
   f. Duration of each course and course structure.
   g. Admission criteria for each course.

   The university shall be required to supply a copy of the Prospectus to the Commission/State Govt. before it starts issue of the same for the academic session 2016-17. Further, the above information should be available on the website of the University indicating details of faculty along with their photos and bio-data. The information regarding admission disclosure, examinations schedule, students passed out, faculty and academic infrastructure etc. must be furnished from time to time to the Regulatory Commission in the manner as required.
2. **The availability of faculty as per norms & physical academic infrastructure, course structure/curriculum and preparedness of the University for running the courses shall be subjected to inspection before commencement of academic session 2016-17 by the Inspection Committee(s) to be constituted for the purpose and it shall be open to the Commission to withdraw the approval, if any deficiencies are noticed.**

3. In case University is unable to meet the faculty and physical infrastructure norms and the university is of the view that it is unable to run the course, an intimation to this effect be submitted to the Commission at least one month before the commencement of the academic session. However, course(s) once started **shall have to run for at least three years continuously** and the university shall ensure the availability of full faculty strength and physical academic infrastructure **based on approved intake** as per norms for the course(s).
4. The eligibility and admission criteria for admission to the above courses shall be as prescribed by the concerned Regulatory Bodies and the State Government. Admission through migration mode in the first year not meeting the eligibility criteria shall be treated as invalid and subject to penal action as per HPPERC Rule, 2011. Admissions of foreign students be regulated as per AICTE Notification No.F.37-3/Legal/2004 dated 21.01.2004 circulated to All State Private Universities vide Commission letter No. HPPERC/55/General Complaints/2012-704 to 719 dated 07.08.2014. The AICTE guidelines regarding admission under lateral entry be followed in letter and spirit. The UGC guidelines regarding providing 3 % reservation in all courses to the persons with disabilities circulated vide this office letter No. HPPERC/73/Notification/2012-952 to 967 dated 08.09.2014 be also followed meticulously. **Admissions, if any, made in violation of the prescribed norms, shall be invalid and degrees awarded to such candidates shall not be recognised besides attracting action as may be called for.**
5. The universities should submit the proposal(s) for fee fixation to the State Government in respect of courses mentioned at I and II before 31.12.2016 as per statutory requirements. A copy of such proposal should invariably be sent to the Commission.
6. The university shall comply with "Mandatory Assessment and Accreditation of Higher Education Institutions" Regulation, 2012.
7. The University shall strictly comply with the UGC (Establishment and Maintenance of Standards in Private Universities) Regulation, 2003 and engage faculty as per the norms fixed by the regulatory bodies viz. UGC, AICTE, BCI, MCI etc. The University shall observe at least the minimum standard of instructions and prescribed norms for the running of a course/ programme/ grant of degree which shall be imparted by a duly qualified teaching staff and appropriate academic physical infrastructure facilities as prescribed.

P-4/5

8. The University shall ensure submission of requisite information to the UGC as required under Sections 3.7 & 3.8 of U.G.C. (Establishment and Maintenance of Standards in Private Universities) Regulation, 2003 which inter-alia requires sending of intimation to the U.G.C, six months prior to starting of a new course. Where the U.G.C. inspection is overdue, the University shall ensure submission of requisite information to the U.G.C. in the prescribed format at the earliest so that inspection could take place.
9. If, any course(s)/ degree(s)/ programme(s) is being run or is/ are to be run by the University, which has/ have not been approved by the UGC/ other regulatory bodies, the same shall be liable for cancellation without any notice and no future correspondence in this regard will be entertained.
10. If any information provided is found incorrect at any stage or the assurances provided regarding meeting the norms of faculty and infrastructure in respect of all courses or in the event of violation of standards of admission, charging of excess fees than approved or indulging in practices which are not in conformity with the prescribed regulations, the Regulatory Commission reserves its right to withdraw the approval and take such action, as it may deem fit.

You are requested to take further necessary action in the matter and keep the Commission apprised of the same.

Yours sincerely,

31/12

SECRETARY

Endst. No. As above **datedShimla-2, the** **December, 2015**

Copy to: The Additional Chief Secretary (Education) to the Govt. of Himachal Pradesh for information please.

-Sd-

SECRETARY

Eternal University
(World peace through value based education)

Dr. Harcharan S. Dhaliwal
Vice Chancellor

April 16, 2014

Dr. Arvind Kumar
Deputy Director General (Education)
Division of Agricultural Education
Krishi Anusandhan Bhawan-II
New Delhi-110 012

Subject: Establishment of Akal College of Agriculture in Eternal University, Baru Sahib

Dear Dr. Kumar Sahib

The Eternal University Baru Sahib, Distt. Sirmour, Himachal Pradesh has been established under the Himachal Pradesh Govt. Private University Act. No. 3 of 2009 by Kalgidhar Trust. The Kalgidhar Trust is running a network of 130 CBSE affiliated (10+2) Academies in five northern states of India for promoting value-based rural education and women empowerment. The second university of the Trust, Akal University(Guru Kashi) at Talwandi Sabo, Bathinda, Punjab is under establishment. The Eternal University has been duly recognized by UGC, AICTE, NCI, DSIR, DBT and DRDO etc.

Keeping in view the shortage of institutions for offering B.SC. Agriculture in the remote areas of Himachal Pradesh in general and girls students in particular a proposal to establish a college of agriculture in the Eternal University was submitted to the Ministry of Higher Education, Himachal Pradesh Govt. after approval of the Academic Council of the Eternal University(copy attached) and the same has been approved subject to approval of the nodal agricultural organization of the country.

To keep uniformity and high quality of agricultural education in the country as per the mandate of your Division of Agriculture Education we have adopted the revised Course Curricula and Syllabi for B. Sc. Agriculture as per the recommendation of IV Deans Committee and followed at PAU, Ludhiana and CSK HPVV, Palampur with some modifications.

You are requested to accord approval for initiating B. Sc. Agriculture at the Eternal University, Baru Sahib, Himachal Pradesh from the academic session of 2014-15. You are further requested to intimate the minimal requirement of land, buildings, laboratories and other infrastructure for effective and efficient conduct of the programme as per the norms of Indian Council of Agricultural Research, New Delhi.

With best regards

Sincerely,

H.S. Dhaliwal

H.S. Dhaliwal
Vice Chancellor
Eternal University
Baru Sahib
Himachal Pradesh

16/4/14

BARU SAHIB, VIA RAJGARH, DISTT: SIRMOUR, HIMACHAL PRADESH-173101 (INDIA)
Tele: 01799-276012, Fax: 01799-276006, Mob. 9805098702
E-mail : hsdhaliwal07@gmail.com, Web site: www.eternaluniversity

(11)

10

Indian Council of Agricultural Research
(Agriculture Education Division)
Krishi Anusandhan Bhavan-II, Pusa
New Delhi –110012

F. No. Edn.9 /1 /2014-EQR

Dated: 24th April., 2014

To

The Vice-Chancellor,
Eternal University,
Baru Sahib, Via-Rajgarh, Distt. Sirmour,
Himachal Pradesh-173 101

Sub: Establishment of Akal College of Agriculture in Eternal University, Baru Sahib - reg:

Sir,

With reference to your letter dated 16th April, 2014 to accord approval for establishment of Akal College of Agriculture and for initiating B.Sc. Agriculture at the Eternal University, it is informed that Agriculture education is a state subject and granting any such approval is in the jurisdiction of State Government. The guidelines may be as per the recommendations of IVth Deans Committee.

Yours faithfully,

(Kusumakar Sharma)
Assistant Director General (EQR)

No. EDN-A-Ka(5)-2/2013-ETERNAL.
Government of Himachal Pradesh.
Department of Higher Education.
***

From

The Principal Secretary (Education) to the
Government of Himachal Pradesh.

To

Dr. H.S. Dhaliwal,
Vice Chancellor, Eternal University,
Baru Sahib, Sirmour, HP.

Dated Shimla-2, the 22nd May, 2014.

Subject: Course approval for the academic session [redacted]

Sir,

In continuation to this department letter of even no. dated 7th April, 2014 and w.r.t. your letter no. Nil dated 6th May, 2014, on the subject cited above , I am directed to say that on consideration of the proposal(s) and as per information supplied by you, the following additional course(s) is/are approved for academic session 2014-15, subject to fulfillment of norms laid by respective regulating bodies for running of this/these course(s): -

Sr. No	Name of Department	Name of Course	Approved Intake for 2014-15
1.		[redacted]	[redacted]
2.		B.Sc.(Agriculture)	[redacted]

The terms and conditions for running of the existing as well as new courses will be remain the same as conveyed earlier vide this department letter under reference.

You are requested to take further necessary action in the matter and keep the Department of Higher Education apprised of the same.

Yours sincerely,

Under Secretary (Education) to the
Government of Himachal Pradesh.

Endst No. EDN-A-Ka(5)-2/2013-ETERNAL Dated Shimla-2, the May, 2014.
Copy for information and necessary action to:

1. The Chairperson, HP PEIRC, Majitha House, Shimla-2.
2. The Director, Higher Education Himachal Pradesh, Shimla-1
3. Guard file.

Under Secretary (Education) to the
Government of Himachal Pradesh.

***

Received already
Copies to all concerned

H.P PRIVATE EDUCATIONAL INSTITUTIONS
REGULATORY COMMISSION
MAJITHA HOUSE COMPLEX, SHIMLA-171002 (HP)
Phone No. +91-177-2629665, 2629663 Fax-+91-177-2629664
Email- secy-perc-hp@nic.in

HP-PERC/CA/Eternal/2016-17- 2325. dated Shimla-2, the 31st December, 2015

From

The Chairperson,
H.P. Private Educational Institutions,
Regulatory Commission, Shimla -2

To

The Registrar,
Eternal University,
Baru Sahib, Distt: Sirmour, HP

Subject: Course Approval for the academic session 2016-17

Sir,

Kindly refer to the proposal submitted by you for course approval for the academic session 2016-17 and the information supplied regarding the above cited subject. I am directed to inform that, on consideration of the proposals and the information supplied, the following courses are approved for academic session 2016-17:

I. Existing Courses

Sr. No.	Department	Name of Courses	Approved intake for 2016-17	Remarks
1	Engineering & Technology	B.Tech ECE	60	
2		B.Tech CSE	60	
3		B.Tech EEE	60	
4		M.Tech ECE	18	
5		M.Tech CSE	18	
6		M.Tech Renewable Energy	18	
7	Basic Sciences	BA (Hons) Mathematics	B.Sc. (Hons) Mathematics-60	
8		B.Sc. Medical	30	
9		B.Sc. Non Medical	30	
10		M.Sc Chemistry	30	
11		M.Sc Physics	30	
12		M.Sc. Maths	30	
13	Agriculture	B.Sc. Agriculture (Hons.)	60	For increase in seats from 60 to 90, NOC from the State Govt. may be obtained first.
14		B.Tech Food Technology	60	

15		M.Sc Bio-Tech	30	
16		M.Sc Food Technology	30	
17	Economics, Commerce & Management	B.Sc. Economics (Hons)	40	
18		B.Com (Hons)	60	
19		M.Sc. Economics -	30	
20		MBA	60	
21		M.Com	30	
22	Arts & Social Sciences	B.A. (Hons) Music-	40	
23		BA Humanities	40	
24		MA English	30	
25		MA Music	30	
26	Health and Allied Sciences	B.Sc. Nursing	60	
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29	Education	B.Ed.	100	

Add on courses:

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3		Physical Education	
4		Music	

31/12

II. New Courses

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4		B.Sc. (Hons) Botany	30
5		B.Sc. (Hons) Zoology	30
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7		B.Sc. (Hons) Psychology	30
8		M.Sc. Biochemistry	30
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10		M.Sc. Zoology	30
11		M.Sc. Microbiology	30
19	Health & Allied Sciences	MHA	30
22	Arts & Social Sciences	Add-on-courses for B.A. Humanities 1. Carrier Guidance and Counselling	-

III. M.Phil/Ph.D Programme

The proposal for running M.Phil/Ph.D programmes is being invited separately.

Terms and conditions for running of the courses

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   a. Names and academic bio-data of faculty available for each course.
   b. Physical academic infrastructure must find mention in the prospectus.
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   d. Fee structure approved for each course.
   e. Scholarship scheme(s) if any.
   f. Duration of each course and course structure.
   g. Admission criteria for each course.

   The university shall be required to supply a copy of the Prospectus to the Commission/State Govt. before it starts issue of the same for the academic session 2016-17. Further, the above information should be available on the website of the University indicating details of faculty along with their photos and bio-data. The information regarding admission disclosure, examinations schedule, students passed out, faculty and academic infrastructure etc. must be furnished from time to time to the Regulatory Commission in the manner as required.
2. **The availability of faculty as per norms & physical academic infrastructure, course structure/curriculum and preparedness of the University for running the courses shall be subjected to inspection before commencement of academic session 2016-17 by the Inspection Committee(s) to be constituted for the purpose and it shall be open to the Commission to withdraw the approval, if any deficiencies are noticed.**

3. In case University is unable to meet the faculty and physical infrastructure norms and the university is of the view that it is unable to run the course, an intimation to this effect be submitted to the Commission at least one month before the commencement of the academic session. However, course(s) once started **shall have to run for at least three years continuously** and the university shall ensure the availability of full faculty strength and physical academic infrastructure **based on approved intake** as per norms for the course(s).
4. The eligibility and admission criteria for admission to the above courses shall be as prescribed by the concerned Regulatory Bodies and the State Government. Admission through migration mode in the first year not meeting the eligibility criteria shall be treated as invalid and subject to penal action as per HPPERC Rule, 2011. Admissions of foreign students be regulated as per AICTE Notification No.F.37-3/Legal/2004 dated 21.01.2004 circulated to All State Private Universities vide Commission letter No. HPPERC/55/General Complaints/2012-704 to 719 dated 07.08.2014. The AICTE guidelines regarding admission under lateral entry be followed in letter and spirit. The UGC guidelines regarding providing 3 % reservation in all courses to the persons with disabilities circulated vide this office letter No. HPPERC/73/Notification/2012-952 to 967 dated 08.09.2014 be also followed meticulously. **Admissions, if any, made in violation of the prescribed norms, shall be invalid and degrees awarded to such candidates shall not be recognised besides attracting action as may be called for.**
5. The universities should submit the proposal(s) for fee fixation to the State Government in respect of courses mentioned at I and II before 31.12.2016 as per statutory requirements. A copy of such proposal should invariably be sent to the Commission.
6. The university shall comply with "Mandatory Assessment and Accreditation of Higher Education Institutions" Regulation, 2012.
7. The University shall strictly comply with the UGC (Establishment and Maintenance of Standards in Private Universities) Regulation, 2003 and engage faculty as per the norms fixed by the regulatory bodies viz. UGC, AICTE, BCI, MCI etc. The University shall observe at least the minimum standard of instructions and prescribed norms for the running of a course/ programme/ grant of degree which shall be imparted by a duly qualified teaching staff and appropriate academic physical infrastructure facilities as prescribed.

P-4/5

8. The University shall ensure submission of requisite information to the UGC as required under Sections 3.7 & 3.8 of U.G.C. (Establishment and Maintenance of Standards in Private Universities) Regulation, 2003 which inter-alia requires sending of intimation to the U.G.C, six months prior to starting of a new course. Where the U.G.C. inspection is overdue, the University shall ensure submission of requisite information to the U.G.C. in the prescribed format at the earliest so that inspection could take place.
9. If, any course(s)/ degree(s)/ programme(s) is being run or is/ are to be run by the University, which has/ have not been approved by the UGC/ other regulatory bodies, the same shall be liable for cancellation without any notice and no future correspondence in this regard will be entertained.
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You are requested to take further necessary action in the matter and keep the Commission apprised of the same.

Yours sincerely,

31/12

SECRETARY

Endst. No. As above **datedShimla-2, the** **December, 2015**

Copy to: The Additional Chief Secretary (Education) to the Govt. of Himachal Pradesh for information please.

-Sd-

SECRETARY

राष्ट्रीय अध्यापक शिक्षा परिषद्
(भारत सरकार का एक विधिक संस्थान)
उत्तर क्षेत्रीय समिति

गुरुर्गुरुतमो धाम
NCTE

NATIONAL COUNCIL FOR TEACHER EDUCATION
(A STATUTORY BODY OF THE GOVERNMENT OF INDIA)
Northern Regional Committee

F.NRC/NCTE/F-7/NRCAPP-51/183rd meeting (II seating) /2011/ 12848 Dated:

21 NOV 2011

To,

The Correspondent/ Secretary
The Kalgidhar Trust
455, Baru Sahib,
Baru Sahib, Sirmaur
Himachal Pradesh 173101,

Sub:. Sending the Copy of office order F.NRC/NCTE/F-7/NRCAPP-51/183-11 meeting/2011/10390-96 dated: June 29, 2011 regarding.

Ref: Your letter no. Gen/KT/P/11/80 dated 14th September, 2011

Sir

Please refer to your above said letter in which you have mentioned that you have not received the office order dated 26.06.2011.

The Northern Regional Committee considered the matter of you institution in its 183rd meeting (II Seating) held from 08 to 14 July, 2011 and decided that the formal recognition order under clause 7 (11) of the NCTE regulation 2009 for 100 seats in B.Ed. from the session 2011-12 be issued to the institution. Accordingly an order was issued to the institution on 29.06.2011.

Copy of above said order is enclosed herewith for further necessary action at your end.

Your faithfully,

18/11/11

Regional Director

Enclosed: As above

उत्तर क्षेत्रीय समिति
राष्ट्रीय अध्यापक शिक्षा परिषद्
(भारत सरकार का एक विधिक संस्थान)

गुरुर्ब्रह्मा गुरुर्विष्णु
NCTE

Northern Regional Committee
National Council for Teacher Education
(A Statutory Body of the Government of India)

No./NRC/NCTE/NRCAPP-51/2015/ 117877-82 Date: 2 JUL 2015

TO BE PUBLISHED IN GAZETTE ON INDIA PART III SECTION 4

ORDER

WHEREAS, in exercise of the powers conferred by sub-section (2) of Section 32 of the National Council for Teacher Education Act, 1993 (73 of 1993) and in supersession of the National Council for Teacher Education (Recognition Norms and Procedure) Regulations, 2009, the National Council for Teacher Education has notified the Regulations, 2014 on 01.12.2014.

2. AND WHEREAS, the recognition was granted by NRC to Akal College of Education, Plot No. 45, Baru Sahib, Tehsil – Pachhad, District – Sirmour – 173101, Himachal Pradesh for B.Ed. Course vide order No. NRC/NCTE/NRCAPP-51/183-II/2011/10390-96 dated 29.06.2011 with an annual intake of 100 seats.

3. AND WHEREAS, the said institution has by affidavit consented to come under New Regulations and sought for two basic units in B.Ed., which require additional facilities.

4. AND WHEREAS, it has been decided to permit the institution to have two basic units of 50 students each subject to the institution fulfilling following conditions namely.

(i) The institution shall create additional facilities that include (a) additional built-up-area, (b) additional infrastructure, (c) additional funds, (d) adhere to staff norms as per Regulations, 2014 and inform Regional Committees with required documents by October 31, 2015.

(ii) The application-Institution for additional unit will be required to submit the required documents such as land documents, Encumbrance Certificate (EC), Land Use Certificate (LUC) and the Building Plan (BP) in the specified proforma available on the website to the Regional Committee in proof of having provided additional facilities before October 31, 2015. Building completion Certificate (BCC) may be given along with other documents if available, otherwise it can also be given to the Visiting Team at the time of inspection.

(iii) The Regional Committees shall arrange for verification of documents, inspection of these premises and check adherence to these condition by 20 February, 2016. If it is found by the Regional Committee that the institution fails to comply with these requirements, the institutions shall not be permitted to admit students for the academic year 2016-2017.

(iv) In case any existing institution's matter is sub-judice under court direction/SCN under section 17 of the NCTE Act/ Complaint etc., the institution shall be required to submit a copy of the Hon'ble Court order/reply to SCN/complaint/already submitted alongwith the documents, if any together the documents referred above. In case the institution's request for shifting of premises is pending, such institution shall be required to submit the requisite documents as per provisions of the NCTE Regulations, 2014 with a copy of the order/NOC of the affiliating body/State Govt. and such other documents as indicated in the revised format recognition order. The final decision shall be subject to the directions given by the Hon'ble Court in the Writ Petition/case decided by the Northern Regional Committee in respect of Section 17/complaint cases etc.

4. Now therefore, in the light of the above, the Northern Regional Committee, NCTE hereby issues the revised Recognition Order to Akal College of Education, Plot No. 45, Baru Sahib, Tehsil – Pachhad, District – Sirmour – 173101, Himachal Pradesh for conducting B.Ed. programme of two years duration with an annual intake of 100 for two basic units of 50 students each from the academic session 2015-16 subject to fulfillment of the conditions mentioned herein before 31.10.2015.

5. Further, the recognition is subject to fulfillment of all such other requirements as may be prescribed by other regulatory bodies like UGC, affiliating University/ Body, State Government etc. as applicable. The affiliating body (University/State Govt.) shall also be required to verify the authenticity of the land & building documents as well as appointment of requisite teaching & non-teaching staff as per provisions of the NCTE Regulations, 2014 by the concerned institution before grant of affiliation to an institution.

4th Floor, Jeevan Nidhi-II, LIC Building, Ambedkar Circle, Bhawani Singh Marg,
Jaipur -302 005 (Rajasthan), Phone:(0141)- 2744288, 2744635, Fax : 0141-2744173
E-mail. : nrc@ncte-india.org, Website : www.ncte-india.org

6. The institution shall submit to the Regional Committee a Self-Appraisal Report at the end of each academic year along with the statement of annual accounts duly audited by a Chartered Accountant.

7. The institution shall maintain & update its website as per provisions of NCTE Regulations and always display following as mandatory disclosure.

(a) Sanctioned programmes along with annual intake in the institution.
(b) Name of the faculty and staff in full as mentioned in school certificate along with their qualifications, scale of pay and photograph.
(c) Name of faculty members who left of joined during the last quarter.
(d) Names of students admitted during the current session along with qualification, Percentage of marks in the qualifying examination and in the entrance test, if any, date of admission, etc.
(e) Fee charged from students.
(f) Available infrastructural facilities.
(g) Facilities added during the last quarter.
(h) Number of books in the library, journals subscribed to and additions, if any, in the last quarter.
(i) The affidavit with enclosure submitted along with application.
(j) The institution shall be free to post additional relevant information, if is so desires.
(k) Any false or incomplete information on website shall render the institution liable for withdrawal of recognition.

If the institution Contravenes any the above conditions or the provision of the NCTE Act, Rules, Regulations and Orders made and issued there under, the institution will render itself liable to adverse action including withdrawal of recognition by the Regional Committee under the provisions of Section 17(1) of the NCTE Act.

By Order,

(Dr. S. K. Chauhan)
Regional Director

The Manager to Govt. of India,
Department of Publications, (Gazette Section)
Civil Lines, Delhi – 110 054

Copy to:-

1. The Secretary / Correspondent, Akal College of Education, Plot No. 45, Baru Sahib, Tehsil – Pachhad, District – Sirmour – 173101, Himachal Pradesh.
2. The Principal, Akal College of Education, Plot No. 45, Baru Sahib, Tehsil – Pachhad, District – Sirmour – 173101, Himachal Pradesh.
3. The Secretary, Department of School Education and Literacy, Ministry of Human Resource Development, Govt. of India, Shastri Bhawan, New Delhi- 110001.
4. The Director, Directorate of Higher Education, I/C Teacher Education, Govt. of Himachal Pradesh Directorate, Shimla, HP.
5. The Registrar, Himachal Pradesh University, Shimla, Himachal Pradesh
6. The US (Computer), National Council for Teacher Education, Hans Bhawan Wing-II, I, Bahadur Shah Zafar Marg, New Delhi- 110 002.
7. Office order file/ Institution file.

EXTRACT FROM THE PROCEEDINGS OF THE 20th GOVERNING BODY MEETING HELD AT ETERNAL UNIVERSITY,BARU SAHIB ON 23 MARCH 2017

Item No. 2

Approval of the Annual Budget for the Financial Year 2017-18. (Already approved by Planning Board, Financial Committee, Academic Council and Board of Management of the Eternal University.

Dr. Ajit Singh asked S. Amar Singh, Office Superintendent, Registrar Office to put up the details of the Annual Budget for the financial year 2017-18. S Amar Singh informed the house that this item was earlier placed in the Planning Board, Financial Committee, Academic Council and Board of Management which was approved by the concerned committees.

S Amar Singh informed the house that the following suggestions given by Hon'ble member Mr D.K. Sharma have been incorporated in the budget circulated along with the notice of the meeting.

(a) In the Income head, the 'Interest on the FDRs' be reduced to Rs. 90.00 lacs instead of Rs. 110 lacs as the interest on FDRs has been reduced.

(b) The disposal of the excess income over the expenditure amounting to Rs 216.37 lacs be justified in the foot notes.

(c) The expenditure head of 'Equipment for various laboratories' should be increased as per the actual to Rs 37.89 lacs instead of Rs 5.50 lacs.

Dr. Davinder Singh, Registrar agreed with the suggestions of Mr D.K. Sharma and also assured that the interest amounting to Rs 90.00 lacs on the existing FDR proposed for the financial year 2017-18 is not likely to increase as it will not be possible to increase the FDR amount during the next financial year by new deposits.

On the other suggestion, Hon'ble Baba Ji advised that the surplus budget will be transferred to the parental body 'The Kalgidhar Trust'. Mr D.K. Sharma agreed with the views of Hon'ble Baba Ji and informed that the disposal of this amount given in the foot note of the budget has now been justified.

As regarding the third suggestion of Mr D.K. Sharma, Hon'ble Vice Chancellor explained that there are some government grants which were supposed

to be received within the current financial year 2016-17 and are still awaited. The University had made the essential payment from the university own resources in anticipation of the receipt of grant from DBT which have now been included in the actual expenditure on the Equipment and Consumable for various laboratories.

Dr. Ajit Singh requested the members for any other suggestion/comments on the Annual Budget for the financial year 2017-18. All the Hon'ble members gave their positive consent and approved the Budget.

Item No. 3

Proposal to admit only girls students in Undergraduate as well as in Postgraduate courses from the Academic Session 2017-18 onwards in the Eternal University.

Dr. Ajit Singh placed the item in the house and informed that the University had received a Resolution passed by the Parental Body i.e. The Kalgidhar Trust in a meeting of the "Board of Trustees of the Kalgidhar Trust" held at Baru Sahib on 12th October 2016. Dr. Ajit Singh read out the passed resolution as under:

"Resolved unanimously that from the academic session 2017-18 onwards, the Eternal University Baru Sahib, Dist Sirmour, Himachal Pradesh, shall admit only female students in all its Undergraduate and Post Graduate courses".

Dr. Ajit Singh told that the item was also placed in the Academic Council Meeting as well as in the Board of Management meeting held on 27th February 2017 in which some reservation were expressed by the Hon'ble Members present in the meetings. These were also circulated along with the agenda item.

Hon'ble Vice Chancellor said that University had started the admission process of boys in the Post Graduate Courses for the Academic Session 2017-18 provisionally as the final approval of Governing Body was awaited.

Hon'ble member Dr. A.R. Chauhan enquired the reason behind not to admit boys in the PG Courses.

Dr. A.R. Chauhan appreciated the reservation and suggestions given by Mr D.K. Sharma, Dr. Jagmohan Singh Chauhan and Mr R.L. Chauhan in the Board of Management meeting held on 27th February 2017 to get the formalities completed from the HP Hr Edn and HP-PERC.

Mr D.K. Sharma again requested Hon'ble Baba Ji to get the sanction from HP Govt, and get the university Act amended before implementing the new system and also suggested to implement it from the Academic session 2018-19.

Dr. A.R. Chauhan questioned whether it has been defined in the act to admit boys in the University. Dr. Ajit Singh read out the Clause 5(2) of the Act in the house in which the word no discrimination on the basis 'Sex' has only been mentioned and there is no such clause pertaining to the admission of girls and boys.

Dr. Neelam Kaur also expressed that in the Act it has not been specified to get admission of male or female students. It is a matter of university authorities to decide about the admission of boys and girls.

Hon'ble Baba Ji put forth that earlier there was also the decision of the Governing Body to admit only girls in undergraduate courses and no such prior permission and amendment in the Act was sought from the HP Govt when the only girl students were admitted in UG Courses. Hon'ble Baba Ji also indicated that it may take a long time to get the permission of the HP Government and to implement the same. The Hon'ble Baba Ji suggested the house to pass the resolution as given by the Kalgidhar Trust on 12th October, 2016.

Further, Hon'ble Baba Ji expressed that the decisions of the Governing Body are supreme. However, if there will be any objection from the HP Government, it will be settled accordingly.

Dr. HS Dhaliwal told that such a proposal will be appreciated by the HP Government as per the national "Beti Bachao, Beti Paraho" and be approved. Dr. A.R. Chauhan, Dr. D.J. Das Gupta and Mr D.K. Sharma also agreed with the views of Dr.H.S. Dhaliwal as the university is going to strengthen Women Empowerment being the first university of the state at the cost of financial losses due to declared change in the admission policy.

Hon'ble Member Dr. Gurmail Singh, Vice Chancellor, Akal University, Talwandi Sabo, told that it is not mandatory to get any amendment in the act as there is no such clause therein and also no need to inform the HP Government for discontinuation of admission of the boys in the Eternal University from the Academic session, 2017-18.

Hon'ble Member Dr. A.R. Chauhan also supplemented that he had gone through the Act and there is no need to take up the case for amendment of the Act regarding admission.

Hon'ble Baba Ji as well as all the members present in the house agreed with the valuable suggestion of Dr. Gurmail Singh.

Dr. A.R. Chauhan appreciated the step proposed by The Kalgidhar Trust and also told that the University will meet the slogan "Beti Bachao, Beti Paraho" as the University will be purely for girl students.

While summing up of the discussion, the House agreed with the decision of Hon'ble Baba Ji to admit girls student only in the Post Graduate Courses including Ph D also with effect from the Academic session 2017-18 onward and approved the item.

Item No 4

Revision of Children Education Allowance (CEA) in respect of Eternal University Faculty/Staff whose ward is/are studying in Akal Academy Baru Sahib

Dr. Ajit Singh placed the item in the house and explained.

Hon'ble Vice Chancellor told that there may be approximately 9-10 children of the Eternal university faculty/staff at a time who are studying in the Akal Academy Baru Sahib. Earlier it was decided in the meeting of Governing Body held on 25th Aug 2015 (Item No5) that a concession of 5-15% of the tuition fee will be given to the parent employed in the Eternal University. Some of the faculty members requested to get the concession increased.

Keeping in view the retention of the faculty as well as of the staff of Eternal University, it was proposed to increase the tuition fee concession from the existing average 5-15% to the revised rate of 50% with effect from 01st April 2017 onwards. Rest of the conditions will remain unchanged.

All the members appreciated this step and told that with this, the faculty member/staff will serve the University with more commitment.

Hon'ble Baba Ji agreed and approved it along with the house.

EXTRACTS FROM THE PROCEEDINGS OF THE 17th GOVERNING BODY MEETING OF ETERNAL UNIVERSITY, BARU SAHIB HELD AT PAU CAMP OFFICE, PLOT NO. 2 (NEAR GURUDWARA SAHIB) SECTOR NO. 70, MOHALI ON 26th MAR 2016

ITEM NO 2

APPROVAL FOR CHANGING THE EXISTING SCHEDULE OF 5 DAYS A WEEK WITH EFFECT FROM 01ST AUGUST 2016 I.E. FROM THE ACADEMIC SESSION 2016-17. (APPROVED VIDE AC ITEM 8 OF 16 FEB 2016 & BM ITEM 5 OF 16 FEB 2016)

Dr. Ajit Singh placed the item in the house and requested Dr. H.S. Dhaliwal, Vice Chancellor to justify the item in the house.

Hon'ble Vice Chancellor informed the House that as per UGC requirement we have to keep at least 90 teaching days in each semester of the academic year with a provision of one mid-semester break in each semester along with a slot of winter/summer breaks at the end of each semester. In addition to it the students also demand one day gap in each examination paper in the end semester theory examinations.

Moreover, during winter break we have to take care of the winter break schedule followed by Akal Academy Baru Sahib to avoid problem of mess arrangements and also to consider longer winter break span demand of the students due to cold weather and at the same time to make provision of at least 90 working days condition of the UGC in each semester. In addition to it, we have to encourage and facilitate students to sports activities by restricting teaching hours up to 5.00 PM instead of 5.20 PM.

Therefore, the following new schedule is proposed to be implemented from the next academic session i.e. with effect from 01 August 2016:-

(a) University will remain closed on all Sundays of the year.

(b) University will also observe closed days on 2nd and 4th Monday of every month, so that faculty/staff could visit their families and Govt offices for their personal work.

(c) The daily working hours will be from 9.00AM to 5.00 PM with one hours lunch break.

After the details of the need of the agenda item Dr. HS Dhaliwal invited the views of the Hon'ble members of the council.

Hon,ble Baba Ji desired to know as to why the university is to be closed on 2nd & 4th Sunday & Monday instead of 2nd & 4th Saturday & Sunday. Hon'ble Vice Chancellor Justified that it has been planned keeping in mind if someone have to do his/her personal work outside from the Baru Sahib, he/she can do it on Monday as most of Government offices remain closed on Saturday.

Hon'ble Baba Ji gave his consent and rest of the members also agreed to the justification by Hon'ble Vice Chancellor.

As there was no other comments/suggestion from any of the member, the item was approved.

ITEM NO 3
APPROVAL OF THE FINANCIAL BUDGET FOR THE YEAR 2016-17.(APPROVED VIDE PB ITEM 2 OF 16 FEB 2016, FC ITEM 2 OF 16 FEB 2016, AC ITEM 10 OF 16 FEB 2016 & BM ITEM 7 OF 16 FEB 2016

Dr. Ajit Singh placed the item in the house and informed the house that this is the only main item of today's meeting. Dr. Ajit Singh told the house that the university proposed budget for financial year 2016-17 has been prepared with the consultancy of Mr DK Sharma, a member of university Planning Board, Finance Committee, Board of Management and retired Financial Advisor Government of Himachal Pradesh. Dr. Ajit Singh told that in this budget about 10% item wise increase has only been proposed,

moreover, some of the amount has also been placed as reserve to meet the unforeseen expenses like 7th Pay Commission recommendations and obligations.

Further Dr. H.S.Dhaliwal compared the new budget with the budget for the financial year 2014-15 & 2015-16. He explained that the revenue proposed from the students is little high i.e. Rs 3049.47 lacs due to the approval of some new courses and expected increase in the student intake in each approved course against approved seats. As regarding budget expenditure proposed Rs. 1432.68 lacs, it includes the salary of new faculty/staff being employed for the newly approved courses, proposed 5% enhanced DA to the existing faculty/staff and to meet the unforeseen expenses like 7th pay commission recommendations.

The Vice Chancellor invited the valuable suggestion/comments from the Hon'ble members.

Hon'ble member Dr. AR Chauhan congratulated the university authorities for the budget as shown in surplus. He only pointed out that the faculty composition shown in the budget is very sound except that of the 'Associate Professor' category. He desired that the Associate Professor should be increased. Rest of the budget was highly justifiable.

Hon,ble Vice Chancellor replied that Eternal University has only 2F UGC Status and has submitted the case for award of 12B status which has been kept pending for not meeting the faculty criteria i.e. 1:2:4 ratio of Professor : Associate Professor : Assistant Professor. University is trying its best to employ Associate Professor but the applicants are either not available or not found qualified in accordance with UGC rules. Moreover, they also demand an unacceptable salary scale as per the 6th Pay Commission. Recently we have appointed two Associate Professors on regular basis who were found suitable and had UGC prescribed qualifications and experience.

Dr. AR Chauhan suggested that the university may adopt the following measure to meet the requirement:

(a) **Advertisement through Newspaper.**

(b) **Personal DO to the Principals of other Colleges/Universities for re-employment of their retired/likely to retire Professors/Associate Professors.**

(c) **Promote your existing eligible faculty.**

(d) **Temporary employments of Associate Professors who may get long leave from their parent Government institution.**

Dr. Davinder Singh also pointed out that every private college/university is facing this problem. As regarding deputation of government employees in the private institutions, it may not be fruitful for the longer duration because the government employees will not perform his/her duties with full dedication in a private institution. Moreover Government institution may not recommend the long leave to their qualified faculty.

Hon'ble Baba Ji also expressed his views that only 10 to 15% faculty member may be hard worker in Government institutions who could not be spared by the Head of the institutions.

Dr. HS Dhaliwal finally agreed with the valuable suggestion of Dr. AR Chauhan and assured the house that maximum efforts will be made to recruit and retain Associate Professors as per requirement of UGC through new appointments and through promotion the existing faculty after they qualify for the post of Associate Professor.

As there were no other suggestion/comment, the proposed budget for the financial year 2016-17 was approved.

ITEM NO 04
PAYMENT OF 5% ENHANCED DA. (PASSED VIDE AC ITEM 13(2) OF 16 FEB 2016 & BM ITEM 10 (1) OF 16 FEB 2016)

Dr. Ajit Singh placed the item in the House and informed that at present university is paying 30% DA to the faculty & staff and our worthy Vice Chancellor proposed increase the 5% of existing DA to 35%. He requested Hon'ble Vice Chancellor to explain the item.

Dr. HS Dhaliwal said that for a long time the existing rate of DA i.e. 30% for our faculty/staff has not been increased whereas the rate of present DA for Central Government employees has touched to 125%. Increment in existing DA will motivate the faculty & staff to do their job in the university with full dedication & devotion. Moreover some provision in the annual budget for the financial year 2016-17 has been made to make the payment of 5% additional DA with effect from 01 April 2016.

Dr. AR Chauhan, Hon,ble member said that your budget for the financial year 2015-16 and 2016-17 is surplus hence he suggested that the proposed DA of 5% should be increased to 10% and also requested Hon'ble Baba Ji to approve an increase of DA 10% instead of proposed 5% . Hon'ble Baba Ji asked Dr. H.S. Dhaliwal, Vice Chancellor & Dr. Davinder Singh, Registrar as well as Secretary The kalgidhar Trust to think over the suggestion of Dr. AR Chauhan.

Dr. Davinder Singh, Secretary, The kalgidhar Trust disclosed the facts that the university is having only notional surplus budget because the Trust is not charging any amount for the buildings being used by the university for teaching and residential purposes and Trust is also paying a bulk amount against the interest for the outstanding loans to various banks.
Therefore, an increase of 5% in DA is highly justified at this juncture.

Hon'ble Vice Chancellor also agreed with Dr. AR Chauhan's suggestion for increasing the DA to 10%. He assured the house that additional 5% DA may be considered for faculty & staff once the student's intake for the academic session 2016-17 improves compared with the last year admission which could be a step for generation of more financial resources.

Hon'ble Baba Ji agreed with the assurance of Hon'ble Vice Chancellor. Thereafter Hon'ble Baba Ji also enquired whether university is paying any kind of Bonus to its faculty & staff. Hon'ble Vice Chancellor replied that university has not adopted the system of bonus since its inception. Then Hon'ble Baba Ji stressed upon this point to think for making any kind of monetary motivation to the good, devoted and enthusiastic faculty/staff so that they may follow the motto of "Work is worship". Hon'ble Baba Ji further added that in Government service we can't extend such help whereas only in private institutions we are empowered to pay any kind of monetary incentive to its deserving employees. Hon'ble Vice Chancellor and Dr. Davinder Singh, Registrar agreed with the Baba Ji's advice and assured to start the exercise on this issue. Dr. H S Dhaliwal suggested the payment of honorarium of Rs 2000/- per month to Principal Investigators and Rs 1000/- per month to all CO-PIs for outside funded projects with total grant exceeding to Rs 10.00 Lakhs from the university amount as there is no provision of institution funds for private universities.

As there were no other suggestion/comment, the proposal for increasing the payment of 5% DA to the faculty & Staff with effect from 01 April 2016 @ 35% was accepted by the Hon'ble House.

ITEM NO 05

ADOPTION OF FIVE VILLAGE CLUSTER. (APPROVED vide AC ITEM 13(3) 16 FEB 2016 & BM 10(2) 16 FEB 2016.

Dr. Ajit Singh placed the item in the house and requested Dr. BS Boparai, Dean Akal College of Agriculture to explain it.

With the permission of Hon'ble Baba Ji, Dr. BS Boparai informed the house that Eternal university adopted the under mentioned five villages Clusters nearest to the university campus:-

(a) Lana Bhalta
(b) LanaMiun, Riwalda, Bhongli
(c) Dimber,Banog, Nanu
(d) Kotal Nangan

(e) Bhagar

Dr. BS Boparai further told that The Akal College of Health & Allied Sciences has already adopted two villages out of the above villages. He also informed that it has been planned to offer guidance and training in the areas like Dairy Development, Profitable Rain fed Cropping System, Protected Vegetable & flower cultivation, Computer Operation, Integrated disease and pest control, Fruit and Vegetable processing, Mushroom Cultivation, Bee Keeping, Public Health, Waste disposal, Cooperative marketing of produce and English Communication Skill etc.

Dr. H.S Dhaliwal also pointed out that it has also been proposed that the villagers will be encouraged to visit Baru Sahib for day to day help, for advice in the above areas and other activities for earning comfortable livelihood and their inclusive development.

Hon'ble Baba Ji desired to know whether these villages have been adopted as per any Government requirement or on our own. Hon'ble Vice Chancellor told that University had adopted these village willingly and not under any instruction from any of the Government departments. Baba Ji really appreciated this gesture for getting the 'Blessings of Divine Lord'. The Vice Chancellor also informed Hon'ble Baba Ji that this issue was also appreciated by the Deputy Commissioner, Nahan during his visit to Baru Sahib on 15th Feb 2016 and promised to extend any help in this initiative.

Hon'ble Vice Chancellor told Hon'ble Baba Ji that peoples from these villages have started to consult our university for advice on Plant diseases, their health care, cultivation of their land by the means of university's small tractor and their education matters etc. University is accepting their requests and provides them the needed help as and when required.

Dr. HS Dhaliwal told Hon'ble Baba Ji that university is providing its small tractor (15 HP) to the villagers on their demand by charging a sum of minimum of Rs 200/- per hour with only a nominal profit. Dr. Neelam Kaur pointed out that university is presently having only one small tractor (15 HP)

and she requested Hon'ble Baba Ji's to approve the purchase of one more small tractor along with trolley & other equipment for Eternal University so that the villagers of the adopted villages may be helped at no profit and no loss bases. Hon'ble Baba Ji agreed with Dr. Neelam Kaur's suggestion and approved the request.

Dr.BS Boparai also informed the House that it has also been planned to organize a 'Kissan Mela' at Baru Sahib on the occasion of 'Vaisakhi' on 13 April 2016. Moreover, it is also proposed to establish a Dairy Development Centre and a Farmers and Students Training Centre to evolve a mechanism of extension service by Akal College of Agriculture. Now this activity is being continued by Faculty/Students by visiting villages during closed days.

Finally, the House approved the proposal for adopting nearby five villages clusters for helping them in their day to day matters for inclusive developments.

ITEM NO 06

(i) MoU WITH CHAUDHARY SARWAN KUMAR HIMACHAL PRADESH KRISHI VISHAV VIDHALAYA PALAMPUR (APPROVED VIDE AC ITEM 13(5) OF 16 FEB 2016 & BM 10(4) OF 16 FEB 2016.

Dr Ajit Singh placed the item in the house and requested Dr. H.S.Dhaliwal to explan the item.

. Hon'ble Vice Chancellor informed the house that during the year 2015 our university took an initiative for signing a MoU with Chaudhary Sarwana Kumar Himachal Pradesh Krishi Vishvavidalaya, Palampur, Himachal Pradesh (CSKHPKV) for a common entrance test to get the students enrolled in Agriculture in both the universities but due to some unforeseen circumstances it could not be finalized. Now it has again been proposed to process the MoU with CSKHPKV which will be beneficial for collaborations during 2016-17.

Hon'ble Baba Ji enquired whether there is any condition for the MoU which is under discussion. Hon'ble Vice Chancellor replied that there is no condition for this MoU as it will facilitate the mutual exchange of faculty & students between both the institutions, to share the projects and exchange research, expertise and materials pertaining for the development of crops varieties being a private university, we cannot release new crop variety as it rests with the government institution/agency due to mandatory tests required before the release of any new crops variety. We can, however improve existing variety and forward the same to the Govt university for release with due recognition of our university for its contribution in the development and release. Thereafter, Hon'ble Baba Ji permitted to sign this MoU between Eternal University and Chaudhary Sarwana Kumar Himachal Pradesh Krishi Vishvavidalaya, Palampur, Himachal Pradesh (CSKHPKV).

Hon'ble Vice Chancellor also told that the Dr. KK Katoch, Vice Chancellor of CSKHPKV will be invited to attend the planned 'Kissan Mela' scheduled on 13th April 2016

The Hon'ble Baba Ji as well as all other members approved it.

(ii) <u>MoU FOR IMPLEMENTING CLEAN INDIA CAMPAIGN OF GOVT OF INDIA BETWEEN NATIONAL INSTITUTE OF CLEANLINESS EDUCATION AND RESEARCH (NICER) AND ETERNAL UNIVERSITY</u>.

Dr. Ajit Sigh placed the item and again requested Dr. HS Dhaliwal to brief it.

Hon'ble Vice Chancellor informed the house that The National Institute of Cleanliness Education and Research (NICER) is a Division of the Afro-Asian-American Chamber of Commerce, Occupational Research and Development (ACCORD) Headquartered at New Delhi. The main issue to enter into this MoU is to work together in the specialized areas of cleanliness, hygiene and sanitation education for ensuring mass awareness regarding the need to remain cleaner by providing Work Integrated Lifelong Learning (WILL)

based skill oriented training and development programmes with concentrated focus on applied research and development.

Hon'ble Vice Chancellor also told that Eternal University will not provide any financial assistance for implementing any activity and project. NICER will organize funds from its own resources.

Moreover, Eternal University will recognize the three month Certificate in Cleanliness, Hygiene and Sanitation Education (C-CHASE), six month Diploma in Cleanliness, Hygiene and Sanitation Education (D-CHASE) and twelve month Post Graduate Diploma in Cleanliness, Hygiene and Sanitation Education (PGD-CHASE) conducted by NICER. The Eternal University may jointly conduct the twenty four months M. Sc. Degree in Cleanliness, Hygiene and Sanitation Education (M.Sc.-CHASE) and Thirty six months Ph. D. Degree in any of the special topic related to Cleanliness, Hygiene and Sanitation Education under the work integrated lifelong learning programme and award the Degree(s) to the successful participants.

Hon,ble Baba ji enquired that how Eternal University has been chosen for this activity. Hon'ble Vice Chancellor replied that NICER had invited application from the various participants and we have been selected from the top 50 institution.

Hon'ble Vice Chancellor also informed the house that Hon'ble Baba Ji was also awarded "Life-time Achievement Award" by the NICER on 21 March 2016 at New Delhi (Copies enclosed).

Hon'ble Baba Ji & all the members appreciated and accorded the approval for the MoU.

EXTRACT FROM THE PROCEEDINGS OF THE 15th GOVERNING BODY MEETING OF ETERNAL UNIVERSITY, BARU SAHIB HELD ON 25th AUGUST, 2015

ITEM NO 3.

Revision of Ph D Rules.

Dr. Ajit Singh placed the item in the house and requested the Vice Chancellor to brief the item to all the Hon'ble members.

The Vice Chancellor informed the house that as per clause 4.16.4 of Eternal University, Second Ordinance, the course work duration for Ph D Course is one year whereas as per the UGC guidelines the course work for Ph D students is only 6 months. Moreover, a meeting of the senior faculty was also held on 24th February, 2015 in which all the members gave their consent to revise the course work duration from one year to 6 months, keeping in view the restriction of Ph. D. seats by HP-PERC

Further the item was also got approved by Academic Council vide item No 4 of dated 02nd April 2015 and by the Board of Management vide item No 3 dated 04th May 2015.

After a few clarifications regarding the requirement of Research Methodology and other courses, Dr. RL Chauhan also enquired about the slot of course work i.e. first semester only or it could be shifted to 2nd or 3rd semester as per requirement of the individual students. Dr. HS Dhaliwal clarified about the provision of offering the required courses in first semester only.

In view of the above, the approval of Governing Body was sought for revision of the existing rules. All the Hon'ble members present in the meeting approved the item.

THE KALGIDHAR TRUST: BARU SAHIB
(ETERNAL UNIVERSITY, BARU SAHIB)
CONSOLIDATED BALANCE SHEET AS AT 31st MARCH, 2014.

LIABILITIES	AMOUNT	TOTAL	ASSETS	AMOUNT	TOTAL
CORPUS			**FIXED ASSETS**		
As per Last B' Sheet		33,89,076.00	As per Schedule		26,60,16,734.58
INCOME & EXPENDITURE A/C			**INVESTMENTS**		7,41,54,249.00
As per Last B'Sheet	4,68,75,876.18				
Add: Excess of Income for the yr.	(87,56,663.30)	3,81,19,212.88	**CURRENT ASSETS, LOANS & ADVANCES**		
			Loans & Advances	3,95,343.00	
SECURED LOANS			Security Deposited	40,00,000.00	43,95,343.00
LOAN FROM BANK		5,82,41,166.00			
			Other Assets		3,09,26,729.00
SECURITY REFUNDABLE					
Students	18,28,000.00		**Cash & Bank Balances**		
Teachers	28,14,760.00	46,42,760.00	Cash in Hand	44,132.00	
			Bank Balances	27,31,299.38	27,75,431.38
CURRENT LIABILITIES & PROVISIONS					
Sundry Creditors	3,40,000.00				
Salary Payable	2,83,318.00	6,23,318.00			
Branch/ Division		27,32,53,954.08			
	Total Rs.:-	37,82,68,486.96		Total Rs.:-	37,82,68,486.96

Note: Notes on accounts annexed.

(President)

(Secretary)

Registrar
Eternal University
Baru Sahib (H.P.) 173101

for K.N.Chandla & Co.
Chartered Accountants

(Sunil Khanna)
Partner

Place: Shimla
Date: 11th November, 2014

Figures are consolidated from the individual Statements of Engineering College,Nursing College & Eternal University

K. N. CHANDLA & CO. SIMLA CHARTERED ACCOUNTANTS

THE KALGIDHAR TRUST: BARU SAHIB
(ETERNAL UNIVERSITY, BARU SAHIB)

CONSOLIDATED INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2014.

EXPENDITURE	AMOUNT	TOTAL	INCOME	AMOUNT	TOTAL
Administrative Expenses		8,854.00	By Donation		29,500
Advertisement		4,52,514.00	By Interest on Fixed Deposits		69,07,583
Affiliation/ Exam Fee		45,000.00	By Interest on Saving Bank Accounts		2,01,698
Mess Expenses		2,07,22,403.00	By Miscellaneous Income		4,68,252
Vehicle Expenses		67,192.00	By Fees		7,07,28,479
Bank Charges		43,757.00	By Recovery From Staff		28,05,607
Building Maintenance		25,297.00	By Prospectus		2,19,350
Depreciation		1,64,52,508.00	By Other Recovery		12,06,457
Diesel		24,480.00	By Grant in Aid		10,93,500
Education/ Lateracy		64,81,617.00			
Function Expenses		4,15,815.00			
Lab. Expenses		1,94,058.00			
Electricity Expenses		28,57,373.00			
Subscription		7,61,960.00			
Interest		31,76,024.00			
Medical aid		20.00			
Miscellaneous Expenses		19,227.00			
Newspaper & Periodicals		82,486.00			
Postage & Telephone		7,31,291.00			
Printing & Stationery		9,05,775.00			
Legal/Professional Charges		10,089.00			
Refreshment		61,949.00			
Repair & Maintenance		1,05,462.00			
Salaries		3,62,14,539.00			
Provident Fund		99,714.00			
Sport Exp		1,260.00			
Rent/ Lease		15,97,940.00			
Tolitery		4,515.00			
Travelling		4,31,648.30			
Examination/Counselling Expenses		4,22,322.00			
Excess of Income Over Exp.		(87,56,663.30)			
Excess Exp. over Income.					
	Total Rs.:-	6,24,31,655.00		2,12,28,771.00 Total Rs.:-	8,36,60,42(

esident)

ce: Shimla
te: 11th November, 2014

nexture II Balance Sheet.

K.N. CHANDLA & CO. SIMLA CHARTERED ACCOUNTANTS

Registrar
(Eternal University
Baru Sahib (H.P.) 173101
Annexure to the Balance Sheet
for K.N.Chandla & Co.
Chartered Accountants

(Sunil Khanna)
Partner

THE KALGIDHAR TRUST, BARUSAHIB: SIRMOUR
(ETERNAL UNIVERSITY, BARU SAHIB)
CONSOLIDATED SCHEDULE OF FIXED ASSETS AS ON 31st MARCH 2014.

PERTICULARS	Rate	Opening As on 01.04.13	Addition During the year	Sale/Tr.	Total As On 31.03.2014	Depreciation	Net Balance As On 31.03.2014
Building	5%	25,86,89,364.58	-	-	25,86,89,364.58	1,29,34,468.00	24,57,54,896.58
Beddings	10%	6,09,191.00	-	-	6,09,191.00	60,919.00	5,48,272.00
Computer	60%	5,43,297.00	52,373.00	-	5,95,670.00	3,57,402.00	2,38,268.00
Craft & Art / Sports Material	15%	79,817.00	26,703.00	-	1,06,520.00	15,978.00	90,542.00
Electric Fan/Fittings/ Inst.	15%	7,58,454.00	-	-	7,58,454.00	1,13,768.00	6,44,686.00
Electronic/ TV/VCR/Projector Items	15%	10,36,756.00	-	-	10,36,756.00	1,55,513.00	8,81,243.00
EPBAX System	15%	93,231.00	-	-	93,231.00	13,985.00	79,246.00
Furniture & Fixture	10%	17,61,452.00	13,000.00	-	17,74,452.00	1,77,446.00	15,97,006.00
Internet Equipments (V Sat)	15%	2,00,847.00	-	-	2,00,847.00	30,127.00	1,70,720.00
Vehicles	15%	8,90,592.00	-	-	8,90,592.00	1,33,589.00	7,57,003.00
Laboratory Equipments	15%	1,08,82,190.00	8,48,828.00	-	1,17,31,018.00	17,59,653.00	99,71,365.00
Library Books	10%	32,16,364.00	4,04,291.00	-	36,20,655.00	3,62,065.00	32,58,590.00
Machinery	15%	1,65,040.00	8,200.00	-	1,73,240.00	25,986.00	1,47,254.00
Music Equipments	15%	1,17,991.00	-	-	1,17,991.00	17,699.00	1,00,292.00
Printers/ Photocopiers	15%	72,096.00	22,490.00	-	94,586.00	14,188.00	80,398.00
Refrigerator	15%	36,955.00	-	-	36,955.00	5,543.00	31,412.00
Steam Boiler/Solar System/ Water Boiler	15%	3,84,147.00	-	-	3,84,147.00	57,622.00	3,26,525.00
Telephone	15%	18,398.00	-	-	18,398.00	2,760.00	15,638.00
UPS/ Invertor	15%	5,62,394.00	90,336.00	-	6,52,730.00	97,909.00	5,54,821.00
Utensils	10%	3,33,555.00	-	-	3,33,555.00	33,555.00	3,02,000.00
Water Filter/ Aquaguards	15%	22,708.00	-	-	22,708.00	3,406.00	19,302.00
Medical Equipments	15%	5,26,182.00	-	-	5,26,182.00	78,927.00	4,47,255.00
Total Rs.:-		28,10,03,021.58	14,66,221.00	-	28,24,69,242.58	1,64,52,508.00	26,60,16,734.58

Registrar
Eternal University
Baru Sahib (H.P.) 173101

K. N. CHANDLA & CO. SIMLA CHARTERED ACCOUNTANTS

THE KALGIDHAR TRUST: BARU SAHIB
(ETERNAL UNIVERSITY, BARU SAHIB)
CONSOLIDATED BALANCE SHEET AS AT 31st MARCH, 2015.

LIABILITIES	AMOUNT	TOTAL	ASSETS	AMOUNT	TOTAL
CORPUS			**FIXED ASSETS**		
As per Last B' Sheet	3,389,076.00		As per Schedule		254,570,226.58
Add: Corpus Donation	-				
Add: Assets from A/c.	-		**INVESTMENTS**		83,499,428.00
Less: Assets Tr.	-	3,389,076.00			
			CURRENT ASSETS, LOANS & ADVANCES		
INCOME & EXPENDITURE A/C			Loans & Advances		973,442.00
As per Last B'Sheet	38,119,212.88		Security Deposited		4,150,000.00
Add: Excess of Income for the yr.	336,136.03	38,455,348.91	Cash in Hand		186,281.00
			Bank Balances		13,435.79
SECURED LOANS					
LOAN FROM BANK	72,124,274.00	72,124,274.00	Other Assets		24,128,445.09
SECURITY REFUNDABLE					
Security Other	5,000.00				
Students	2,157,000.00				
Teachers	3,736,098.00	5,898,098.00			
CURRENT LIABILITIES & PROVISIONS					
Sundry Creditors		256,157.00			
Salary Payable		283,318.00			
Branch/ Division		247,114,986.55			
Total Rs.:-		367,521,258.46	Total Rs.:-		367,521,258.46

Note: Notes on accounts annexed.

(President)

Secretary
The Kalgidhar Trust

As per our report in Form No. 10B Annexed.
for K.N.Chandla & Co.
Chartered Accountants

Place: Shimla
Date: 10th September,2015

(Dinesh Kumar Sood)
Partner

K. N. CHANDLA & CO. SIMLA CHARTERED ACCOUNTANTS

Figures are consolidated from the individual Statements of Engineering College, Nursing College & Eternal University

Vice Chancellor
Eternal University
Baru Sahib (H.P.) 173101

THE KALGIDHAR TRUST: BARU SAHIB
(ETERNAL UNIVERSITY, BARU SAHIB)
CONSOLIDATED INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2015.

EXPENDITURE	AMOUNT	TOTAL	INCOME	AMOUNT	TOTAL
dministrative Expenses		10,936.00	By Donation		496,727.00
dvertisement		1,260,162.00	By Interest on Fixed Deposits		10,284,358.52
ffiliation/ Exam Fee		375,066.00	By Interest on Saving Bank Accounts		254,965.00
less Expenses		5,097,936.97	By Miscellaneous Income		7,964.00
ehicle Expenses		57,732.00	By Fees		69,667,155.00
ank Charges		40,071.47	By Recovery From Staff		4,250,063.00
uilding Maintenance		3,559.00	By Prospectus		288,000.00
epreciation		15,827,796.00	By Security Foefieted		520.00
iesel		27,368.00	By Grant in Aid	5,940,200.00	-
ducation/ Lateracy		4,929,479.00	Less:Expenses	5,733,328.00	206,872.00
unction Expenses		178,001.00			
ab. Expenses		390,505.00			
lectricity Expenses		3,532,092.00			
ubscription		893,612.00			
nterest		6,582,980.52			
ledical aid		152.00			
liscellaneous Expenses		5,089.00			
ewspaper & Periodicals		103,966.00			
ostage & Telephone		713,641.00			
rinting & Stationery		1,095,534.50			
egal/Professional Charges		5,220.00			
efreshment		240,662.00			
epair & Maintenance		233,694.00			
alaries		42,501,014.00			
rovident Fund		123,106.00			
ent/ Lease		110,111.00			
olitery		3,387.00			
ravelling		579,954.03			
xamination/Counselling Expenses		195,861.00			
ecurity & Allied Services		1,800.00			
xcess of Income Over Exp.		336,136.03			
Total Rs.:-		**85,456,624.52**	**Total Rs.:-**		**85,456,624.52**

esident
esident)
Kalgidhar Trust

(Secretary)
Secretary
The Kalgidhar Trust

Annexure to the Balance Sheet
for K.N.Chandla & Co.
Chartered Accountants

(Dinesh Kumar Sood)
Partner

K.N. CHANDLA & CO. SIMLA CHARTERED ACCOUNTANTS

ce: Shimla
te: 10th September,2015

nexture II Balance Sheet

Vice Chancellor
Eternal University
Baru Sahib (H.P.) 173101

THE KALGIDHAR TRUST, BARUSAHIB: SIRMOUR
(ETERNAL UNIVERSITY, BARU SAHIB)
CONSOLIDATED SCHEDULE OF FIXED ASSETS AS ON 31st MARCH 2015.

PERTICULARS	Rate	Opening As on 01.04.14	Addition During the year	Sale/Tr.	Total As On 31.03.2015	Depreciation	Net Balance As On 31.03.2015
Building	5%	245,754,896.58	-	-	245,754,896.58	12,287,745.00	233,467,151.58
Beddings	10%	548,272.00	-	-	548,272.00	54,827.00	493,445.00
Computer	60%	238,268.00	98,000.00	-	336,268.00	201,761.00	134,507.00
Craft & Art / Sports Material	15%	90,542.00	104,989.00	-	195,531.00	29,330.00	166,201.00
Electric Fan/Fittings/ Inst.	15%	644,686.00	2,900.00	-	647,586.00	97,138.00	550,448.00
Electronic/ TV/VCR/Projector Items	15%	881,243.00	-	-	881,243.00	132,186.00	749,057.00
EPBAX System	15%	79,246.00	-	-	79,246.00	11,887.00	67,359.00
Furniture & Fixture	10%	1,597,006.00	15,500.00	-	1,612,506.00	161,251.00	1,451,255.00
nternet Equipments (V Sat)	15%	170,720.00	-	-	170,720.00	25,608.00	145,112.00
Vehicles	15%	757,003.00	960,890.00	-	1,717,893.00	257,684.00	1,460,209.00
Laboratory Equipments	15%	9,971,365.00	2,759,091.00	-	12,730,456.00	1,909,569.00	10,820,887.00
Library Books	10%	3,258,590.00	436,152.00	2,704.00	3,692,038.00	369,203.00	3,322,835.00
Machinery	15%	147,254.00	-	-	147,254.00	22,089.00	125,165.00
Music Equipments	15%	100,292.00	-	-	100,292.00	15,044.00	85,248.00
Printers/ Photocopiers	15%	80,398.00	-	-	80,398.00	12,060.00	68,338.00
Refrigerator	15%	31,412.00	-	-	31,412.00	4,712.00	26,700.00
Steam Boiler/Solar System/ Water Boiler	15%	326,525.00	-	-	326,525.00	48,979.00	277,546.00
Telephone	15%	15,638.00	-	-	15,638.00	2,345.00	13,293.00
UPS/ Invertor	15%	554,821.00	-	-	554,821.00	83,224.00	471,597.00
Utensils	10%	302,000.00	-	-	302,000.00	30,200.00	271,800.00
Water Filter/ Aquaguards	15%	19,302.00	6,470.00	-	25,772.00	3,866.00	21,906.00
Medical Equipments	15%	447,255.00	-	-	447,255.00	67,088.00	380,167.00
Total Rs.:-		**266,016,734.58**	**4,383,992.00**	**2,704.00**	**270,398,022.58**	**15,827,796.00**	**254,570,226.58**

President
The Kalgidhar Trust

Secretary
The Kalgidhar Trust

K. M. CHANOLA & CO.
CHARTERED ACCOUNTANTS
SIRSA

Vice Chancellor
Eternal University
Baru Sahib (H.P.) 173101

THE KALGIDHAR TRUST; BARU SAHIB
(ETERNAL UNIVERSITY, BARU SAHIB)
CONSOLIDATED INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2016.

EXPENDITURE	AMOUNT	TOTAL	INCOME	AMOUNT	TOTAL
To Administrative Expenses		34,659.00	By Donation		237,300.00
To Advertisement		3,210,657.00	By Interest on Fixed Deposits		7,958,111.00
To Affiliation/ Exam Fee		562,240.00	By Interest on Saving Bank Accounts		294,588.00
To Mcss Expcnscs		5,564,168.21	By Miscellancous Incomc		60,924.00
To Vehicle Expenses		45,648.00	By Fees		83,680,874.00
To Bank Charges		49,821.84	By Recovery From Staff		4,937,043.00
To Building Maintenance		182,353.00	By Prospectus		404,000.00
To Freight & Cooliage		23,278.00	By Security Foefieted		889,100.00
To Depreciation		15,459,638.00	By Grant in Aid	8,468,626.00	-
To Diesel		31,249.00	Less:Expenses	2,107,751.00	6,360,875.00
To Education/ Lateracy		4,729,155.00			
To Function Expenses		115,540.00			
To Lab. Expenses		81,605.00			
To Electricity Expenses		2,880,994.00			
To Subscription		815,412.00			
To Help to Poor		16,844,527.00			
To Interest		7,249,064.00			
To Miscellaneous Expenses		3,217.00			
To Newspaper & Periodicals		74,360.00			
To Postage & Telephone		568,516.00			
To Printing & Stationery		371,588.00			
To Refreshment		50,660.00			
To Repair & Maintenance		15,803.00			
To Salaries		46,296,092.00			
To Provident Fund		339,617.00			
To Staff /Students Welfare		147,358.00			
To Sport Exp		56,056.00			
To Travelling		245,077.00			
To Examination/Counselling Expenses		111,762.00			
To Excess of Income Over Exp.		(1,337,300.05)			
	Total Rs.:-	**104,822,815.00**		**Total Rs.:-**	**104,822,815.00**

President
(President)
The Kalgidhar Trust

Secretary
The Kalgidhar Trust
(Secretary)

As per our report in Form No. 10B Annexed.
for K.N.Chandla & Co.
Chartered Accountants

(Dinesh Kumar Sood)
Partner

K. N. CHANDLA & CO. SIMLA CHARTERED ACCOUNTANTS

THE KALGIDHAR TRUST, BARUSAHIB: SIRMOUR

(ETERNAL UNIVERSITY, BARU SAHIB)

CONSOLIDATED SCHEDULE OF FIXED ASSETS AS ON 31st MARCH 2016.

PERTICULARS	Rate	Opening As on 01.04.15	Addition During the year	Sale/Tr.	Total As On 31.03.2016	Depreciation	Net Balance As On 31.03.2016
Building	5%	233,467,151.58	-	-	233,467,151.58	11,673,358.00	221,793,793.58
Beddings	10%	493,445.00	-	-	493,445.00	49,345.00	444,100.00
Computer	60%	134,507.00	38,635.00	-	173,142.00	103,885.00	69,257.00
Craft & Art / Sports Material	15%	166,201.00	20,000.00	-	186,201.00	27,930.00	158,271.00
Electric Fan/Fittings/ Inst.	15%	550,448.00	-	-	550,448.00	82,567.00	467,881.00
Electronic/ TV/VCR/Projector Items	15%	749,057.00	261,261.00	-	1,010,318.00	151,548.00	858,770.00
EPBAX System	15%	67,359.00	-	-	67,359.00	10,104.00	57,255.00
Furniture & Fixture	10%	1,451,255.00	-	-	1,451,255.00	145,125.00	1,306,130.00
Internet Equipments (V Sat)	15%	145,112.00	-	-	145,112.00	21,767.00	123,345.00
Vehicles	15%	1,460,209.00	279,000.00	-	1,739,209.00	260,881.00	1,478,328.00
Laboratory Equipments	15%	10,820,887.00	4,556,535.00	3,000.00	15,374,422.00	2,306,163.00	13,068,259.00
Library Books	10%	3,322,835.00	303,966.00	4,988.00	3,621,813.00	362,182.00	3,259,631.00
Machinery	15%	125,165.00	10,520.00	-	135,685.00	20,353.00	115,332.00
Music Equipments	15%	85,248.00	-	-	85,248.00	12,787.00	72,461.00
Printers/ Photocopiers	15%	68,338.00	24,150.00	-	92,488.00	13,874.00	78,614.00
Refrigerator	15%	26,700.00	-	-	26,700.00	4,005.00	22,695.00
Steam Boiler/Solar System/ Water Boiler	15%	277,546.00	-	-	277,546.00	41,632.00	235,914.00
Telephone	15%	13,293.00	-	-	13,293.00	1,994.00	11,299.00
UPS/ Invertor	15%	471,597.00	79,380.00	-	550,977.00	82,647.00	468,330.00
Utensils	10%	271,800.00	-	-	271,800.00	27,180.00	244,620.00
Water Filter/ Aquaguards	15%	21,906.00	-	-	21,906.00	3,286.00	18,620.00
Medical Equipments	15%	380,167.00	-	-	380,167.00	57,025.00	323,142.00
Total Rs.:-		**254,570,226.58**	**5,573,447.00**	**7,988.00**	**260,135,685.58**	**15,459,638.00**	**244,676,047.58**

President
(President)
The Kalgidhar Trust

Secretary
The Kalgidhar Trust
(Secretary)

As per our report in Form No. 10B Annexed.
for K.N.Chandla & Co.
Chartered Accountants

(Dinesh Kumar Sood)
Partner

K. N. CHANDLA & CO. SIMLA CHARTERED ACCOUNTANTS

THE KALGIDHAR TRUST: BARU SAHIB
(ETERNAL UNIVERSITY, BARU SAHIB)
CONSOLIDATED BALANCE SHEET AS AT 31st MARCH, 2016.

LIABILITIES	AMOUNT	TOTAL	ASSETS	AMOUNT	TOTAL
CORPUS			**FIXED ASSETS**		
As per Last B' Sheet	3,389,076.00		As per Schedule		244,676,047.58
Add: Corpus Donation	-				
Add: Assets from A/c.	-		**INVESTMENTS**		102,379,691.00
Less: Assets Tr.	-	3,389,076.00			
INCOME & EXPENDITURE A/C			**CURRENT ASSETS, LOANS & ADVANCES**		
As per Last B'Sheet	38,455,348.91		Loans & Advances		442,734.00
Add: Excess of Income for the yr.	(1,337,300.05)	37,118,048.86	Security Deposited		4,150,000.00
			Cash in Hand		118,750.00
SECURED LOANS			Bank Balances		2,034,266.45
LOAN FROM BANK	92,273,338.00		Other Assets		15,941,450.59
UNSECURED LOANS	-	92,273,338.00			
SECURITY REFUNDABLE					
Security Other	5,000.00				
Students	4,257,000.00				
Teachers	3,492,409.00	7,754,409.00			
CURRENT LIABILITIES & PROVISIONS					
Sundry Creditors		462,108.00			
Salary Payable		(142,451.00)			
Branch/ Division		228,888,410.76			
	Total Rs.:-	**369,742,939.62**		**Total Rs.**	**369,742,939.62**

President
(President)
The Kalgidhar Trust

Secretary
The Kalgidhar Trust
(Secretary)

As per our report in Form No. 10B Annexed.
for K.N.Chandla & Co.
Chartered Accountants

(Dinesh Kumar Sood)
Partner

K. N. CHANDLA & CO. SIMLA CHARTERED ACCOUNTANTS

ETERNAL UNIVERSITY, BARU SAHIB

ESTIMATED INCOME & EXPENDITURE BUDGET

FOR THE FINANCIAL YEAR 2017-18

Sr. No.	Particulars	Appendix	Actual Budget 2015-16(In Lacs)	Projected Budget 2016-17(In Lacs)	Revised Budget 2016-17(In Lacs)	Projected Budget 2017-18 (In Lacs)	Remarks
	Income:	**A**					
1	**Budgeted Collections from Students**		**836.80**	**3049.47**	**1268.67***	**3369.71****	***(Decreased due to less intake of admission) **(Increased due to expectation of more students for existing & newly approved courses 2017-18)**
2	**Grant Biotech (DBT1-2012)**		**11.81**	**13.47**	**13.47***	**0.00**	***(Grant yet to be received 2016-17)**
3	**Grant Biotech (DBT-2-2015)**		**19.14**	**9.26**	**9.26***	**9.26****	***(Full amount received in 2016-17) **(Proposed for salary & consumable)**
4	**Grant Biotech (Zinc and Caroteniod Bioavilability)(DBT-3-2015)**		**18.90**	**9.10**	**9.10***	**9.10****	***(Grant yet to be received 2016-17) **(Proposed for salary & consumable)**
5	**Grant Food Technology & Nutrition (Ministry of Food Processing Industry)**		**34.83**	**0.00**	**0.00**	**0.00**	
6	**Grant Rnewable Energy (SCSTE/F(8)-1/2016)**		**0.00**	**0.00**	**4.25***	**4.25****	***(Full Amount received in 2016-17) **(Proposed for Salary, Consumable, Travel & Other costs)**
7	**Grant Engineering & Technology (SCSTE/F(8)-1/2016)**		**0.00**	**0.00**	**4.30***	**4.30****	***(Full Amount received in 2016-17) **(Proposed for Salary, Consumable, Travel & Other costs)**
8	**Budget Collection From Staff For Boarding & Lodging Services**		**66.77**	**60.00**	**70.50**	**80.00**	
9	**Interest on Fixed Deposits**		**80.55**	**110.00**	**90.46**	**90.00**	
10	**Dairy Complex**		**0**	**0.00**	**3.31**	**10.00**	
	Total Income		**1068.80**	**3251.30**	**1473.32**	**3576.62**	
	Less: Budgeted Expenditure	**B**	**699.57**	**1432.68**	**1256.95**	**1858.22**	
	Excess of Income Over Expenditure (Budgeted Surplus)		**369.23**	**1818.62**	**216.37****	**1718.4***	

Note:- *Budget surplus increased due to expected increase in the student intake for existing & newly approved courses and proposed revised fee structure for the academic session 2017-18

****The surplus budget amount Rs. 216.37 lac will be transferrred to The Kalgidhar Trust for construciton of Agriculture College and Studios for the Engineering College.**

Station: Baru Sahib

Date: 27th Feb, 2017

(Dr. H.S. Dhaliwal)
Vice Chancellor
Eternal University, Baru Sahib

APPENDIX 'A'

ETERNAL UNIVERSITY
DETAILS OF STUDENTS REVENUE COLLECTION

	Projected Revenue 2016-17			Revised Revenue 2016-17			Projected Revenue 2017-18		
Courses Detail	**Total Estimated Strength 2016-17**	**Fee Per Student (In Lacs)**	**Total Estimated Revenue (In Lacs)**	**Total Revised Strength 2016-17**	**Fee Per Student (In Lacs)**	**Total Revised Revenue (In Lacs) 2016-17**	**Total Estimated Strength 2017-18**	**Fee Per Student (In Lacs)**	**Total Estimated Revenue (In Lacs)**
UNDERGRADUATE COURSES									
ENGINEERING									
B.Tech (CSE, ETE, EE)									
IVth Year	**20**	**1.41**	**28.20**	**20**	**1.41**	**28.20**	**12**	**1.47**	**17.64**
IVth Year (Lateral)	**13**	**1.47**	**19.11**	**12**	**1.47**	**17.64**	**2**	**1.47**	**2.94**
IIIrd Year	**12**	**1.47**	**17.64**	**12**	**1.47**	**17.64**	**28**	**1.45**	**40.60**
IIIrd Year (Lateral)	**2**	**1.45**	**2.90**	**2**	**1.45**	**2.90**	**15**	**1.56**	**23.40**
IInd Year	**28**	**1.45**	**40.60**	**27**	**1.45**	**39.15**	**47**	**1.56**	**73.32**
IInd Year (Expected) Lateral	**36**	**1.76**	**63.36**	**15**	**1.56**	**23.40**	**36**	**1.66**	**59.76**
I st Year (Expected)	**180**	**1.76**	**316.80**	**47**	**1.56**	**73.32**	**180**	**1.66**	**298.80**
B. Architecture (newly proposed)	**0**	**0.00**	**0.00**	**0**	**0.00**	**0.00**	**40**	**1.66**	**66.40**
Sub Total	**291**		**488.61**	**135**		**202.25**	**360**		**582.86**
B.SC NURSING									
IVth Year (Govt Seats)	**30**	**1.07**	**32.10**	**30**	**1.07**	**32.10**	**26**	**1.07**	**27.82**
IVth Year (Mgt Seats)	**30**	**1.40**	**42.00**	**30**	**1.40**	**42.00**	**30**	**1.40**	**42.00**
IIIrd Year (Govt Seats)	**29**	**1.07**	**31.03**	**26**	**1.07**	**27.82**	**29**	**1.07**	**31.03**
IIIrd Year (Mgt Seats)	**30**	**1.40**	**42.00**	**30**	**1.40**	**42.00**	**30**	**1.40**	**42.00**
IInd Year (Govt.Seats)	**30**	**1.07**	**32.10**	**29**	**1.07**	**31.03**	**30**	**1.07**	**32.10**
IInd Year (Mgt.Seats)	**30**	**1.40**	**42.00**	**30**	**1.40**	**42.00**	**30**	**1.40**	**42.00**
I st Year (Govt.Seats)(Expected)	**30**	**1.07**	**32.10**	**30**	**1.07**	**32.10**	**30**	**1.07**	**32.10**
I st Year (Mgt.Seats) (Expected)	**30**	**1.40**	**42.00**	**30**	**1.40**	**42.00**	**30**	**1.40**	**42.00**
Sub Total	**239**		**295.33**	**235**		**291.05**	**235**		**291.05**
B.SC (HONS) ECONOMICS									
IIIrd Year	**13**	**1.07**	**13.91**	**12**	**1.07**	**12.84**	**10**	**1.07**	**10.70**
IInd Year	**13**	**1.00**	**13.00**	**10**	**1.00**	**10.00**	**18**	**1.26**	**22.68**
I st Year Paid (Expected)	**30**	**1.26**	**37.80**	**18**	**1.26**	**22.68**	**30**	**1.13**	**33.90**
I st Year B Block (Expected)	**10**	**0.50**	**5.00**	**0**	**0.50**	**0.00**	**10**	**0.50**	**5.00**
B. COM. (Hons.)									
IIIrd year	**17**	**1.00**	**17.00**	**12**	**1.00**	**12.00**	**19**	**1.11**	**21.09**
IInd year	**24**	**1.11**	**26.64**	**19**	**1.11**	**21.09**	**26**	**1.26**	**32.76**
Ist year (Expected)	**60**	**1.26**	**75.60**	**26**	**1.26**	**32.76**	**60**	**1.13**	**67.80**
Sub Total	**167**		**188.95**	**97**		**111.37**	**173**		**193.93**

Courses Detail	Total Estimated Strength 2016-17	Fee Per Student (In Lacs)	Total Estimated Revenue (In Lacs)	Total Revised Strength 2016-17	Fee Per Student (In Lacs)	Total Revised Revenue (In Lacs) 2016-17	Total Estimated Strength 2017-18	Fee Per Student (In Lacs)	Total Estimated Revenue (In Lacs)
B SC (HONS) AGRICULTURE									
IVth Year	0	0.00	0.00	0	0.00	0.00	31	1.07	33.17
IIIrd year	33	1.07	35.31	31	1.07	33.17	51	1.05	53.55
IInd year	55	1.05	57.75	51	1.05	53.55	56	1.13	63.28
Ist (Expected)	60	1.36	81.60	56	1.36	76.16	90	1.19	107.10
B TECH FOOD TECHNOLOGY									
IVth Year	0	0.00	0.00	0	0	0.00	0	0	0.00
IIIrd Year	0	0	0.00	0	0	0.00	12	1.05	12.60
IInd Year	14	1.05	14.70	12	1.05	12.60	21	1.13	23.73
Ist Year (Expected)	60	1.31	78.60	21	1.31	27.51	60	1.19	71.40
Sub Total	222		267.96	171		202.99	321		364.83
B.A. MUSIC (Hons.)									
IIIrd Year	19	0.45	8.55	19	0.45	8.55	23	0.45	10.35
IInd Year	26	0.45	11.70	23	0.45	10.35	28	0.48	13.44
Ist Year (Expected)	40	0.50	20.00	28	0.50	14.00	40	0.53	21.20
B.A.HUMANITIES									
IIIrd Year	0	0.00	0.00	11	0.45	4.95	26	0.45	11.07
IInd Year	29	0.45	13.05	26	0.45	11.70	40	0.48	19.20
Ist Year (Expected)	40	0.50	20.00	45	0.50	22.50	80	0.53	42.40
B.SC. (HONS) PSYCHOLOGY									
IIIrd Year	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
IInd Year	0	0.00	0.00	0	0.00	0.00	12	1.05	12.60
Ist Year (Expected)	30	1.26	37.80	12	1.05	12.60	30	1.13	33.90
Sub Total	184		111.10	164		84.65	279		164.16
B.ED.									
IInd Year	15	1.03	15.45	13	1.03	13.39	14	1.00	14.00
I st Year (Expected)	50	1.26	63.00	14	1.00	14.00	50	1.15	57.50
SubTotal	65		78.45	27		27.39	64		71.50
BASIC SCIENCES									
B.SC(MEDICAL & NON-MEDICAL)									
IIIrd Year	24	1.01	24.24	24	1.01	24.24	18	1.01	18.18
IInd Year	20	0.95	19.00	18	0.95	17.10	9	0.95	8.55
I st Year (Expected)	60	1.26	75.60	9	1.26	11.34	60	1.26	75.60
B.SC. (HONS) MATH									
IIIrd Year	0	0	0.00	0	0	0.00	0	0.95	0.00

Courses Detail	Total Estimated Strength 2016-17	Fee Per Student (In Lacs)	Total Estimated Revenue (In Lacs)	Total Revised Strength 2016-17	Fee Per Student (In Lacs)	Total Revised Revenue (In Lacs) 2016-17	Total Estimated Strength 2017-18	Fee Per Student (In Lacs)	Total Estimated Revenue (In Lacs)
IInd Year	0	0	0.00	0	0	0.00	4	1.02	4.08
I st Year (Expected)	60	1.26	75.60	4	1.02	4.08	60	1.13	67.80
B. SC.(HONS) CHEMISTRY									
IIIrd Year	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
IInd Year	0	0.00	0.00	0	0.00	0.00	3	1.08	3.24
Ist Year (Expected)	60	1.26	75.60	3	1.08	3.24	60	1.13	67.80
B. SC.(HONS) PHYSICS									
IIIrd Year	0	0	0.00	0	0	0.00	0	0.00	0.00
IInd Year	0	0	0.00	0	0	0.00	3	1.05	3.15
Ist Year (Expected)	60	1.26	75.60	3	1.05	3.15	60	1.13	67.80
B. SC.(HONS) BIO-CHEMISTRY									
IIIrd Year	0	0	0.00	0	0	0.00	0	0.00	0.00
IInd Year	0	0	0.00	0	0	0.00	0	1.05	0.00
Ist Year(Expected)	30	1.26	37.80	0	1.05	0.00	30	1.13	33.90
B. SC.(HONS) BOTANY									
IIIrd Year	0	0	0.00	0	0	0.00	0	0.00	0.00
IInd Year	0	0	0.00	0	0	0.00	0	1.05	0.00
Ist Year (Expected)	30	1.26	37.80	0	1.05	0.00	30	1.13	33.90
B. SC.(HONS) ZOOLOGY									
IIIrd Year	0	0	0.00	0	0	0.00	0	0.00	0.00
IInd Year	0	0	0.00	0	0	0.00	0	1.05	0.00
Ist Year (Expected)	30	1.26	37.80	0	1.05	0.00	30	1.13	33.90
B. SC.(HONS) MICROBIOLOGY									
IIIrd Year	0	0	0.00	0	0	0.00	0	0.00	0.00
IInd Year	0	0	0.00	0	0	0.00	5	1.05	5.25
Ist Yeary (Expected)	30	1.26	37.80	5	1.05	5.25	30	1.13	33.90
Sub Total	404		496.84	66		68.40	402		457.05
POSTGRADUATE COURSES									
M TECH CSE,ETE & RE									
IInd Year	15	1.45	21.75	13	1.45	18.85	13	1.56	20.28
Ist Year(Expected)	54	1.76	95.04	13	1.56	20.28	54	1.66	89.64
M TECT EE & MSE									
IInd Year	0	0.00	0.00	0	0.00	0.00	0	0.00	New Course
Ist Year(Expected)	0	0.00	0.00	0	0.00	0.00	36	1.66	59.76
MBA									
IInd Year	6	1.55	9.30	6	1.55	9.30	17	1.67	28.39
Ist Year (Expected)	60	1.86	111.60	17	1.67	28.39	60	1.78	106.80
M SC ECONOMICS									

Courses Detail	Total Estimated Strength 2016-17	Fee Per Student (In Lacs)	Total Estimated Revenue (In Lacs)	Total Revised Strength 2016-17	Fee Per Student (In Lacs)	Total Revised Revenue (In Lacs) 2016-17	Total Estimated Strength 2017-18	Fee Per Student (In Lacs)	Total Estimated Revenue (In Lacs)
IInd Year	3	0.95	2.85	3	0.95	2.85	6	1.02	6.12
Ist Year(Expected)	30	1.31	39.30	6	1.02	6.12	30	1.13	33.90
M COM									
IInd year	2	1.26	2.52	2	1.26	2.52	0	1.02	0.00
Ist Year(Expected)	30	1.26	37.80	0	1.02	0.00	30	1.13	33.90
M SC PHYSICS									
IInd Year	6	1.00	6.00	6	1.00	6.00	5	1.08	5.40
Ist Year (Expected)	30	1.31	39.30	5	1.08	5.40	30	1.13	33.90
M SC CHEMISTRY									
IInd Year	4	1.00	4.00	4	1.00	4.00	5	1.08	5.40
Ist Year (Expected)	30	1.31	39.30	5	1.08	5.40	30	1.13	33.90
M SC MATH									
IInd Year	2	1.26	2.52	2	1.26	2.52	3	1.02	3.06
Ist Year (Expected)	30	1.26	37.80	3	1.02	3.06	30	1.13	33.90
M SC BIOCHEMISTRY									
IInd year	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Ist Year(Expected)	30	1.31	39.30	0	0.00	0.00	30	1.13	33.90
M SC BOTANY									
IInd year	0	0.00	0.00	0	0.00	0.00	11	1.08	11.88
Ist Year (Expected)	30	1.31	39.30	11	1.08	11.88	30	1.13	33.90
M SC ZOOLOGY									
IInd year	0	0.00	0.00	0	0.00	0.00	11	1.08	11.88
Ist Year (Expected)	30	1.31	39.30	11	1.08	11.88	30	1.13	33.90
M SC MICROBIOLOGY									
IInd year	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Ist Year(Expected)	30	1.31	39.30	0	0.00	0.00	30	1.13	33.90
M SC ENVIRONMENT SCIENCE									
IInd Year	0	0.00	0.00	0	0.00	0.00	0	0.00	New Course
Ist Year(Expected)	0	0.00	0.00	0	0.00	0.00	30	1.13	33.90
MA MUSIC									
IInd Year	7	0.95	6.65	7	0.95	6.65	4	0.48	1.92
Ist Year (Expected)	30	0.50	15.00	4	0.48	1.92	30	0.53	15.90
MA ENGLISH									
II nd Year	0	0.95	0.00	0	0.95	0.00	0	1.02	0.00
Ist Year (Expected)	30	1.26	37.80	0	1.02	0.00	30	1.13	33.90
M SC FOOD TECHNOLOGY									
IInd Year	3	1.00	3.00	3	1.00	3.00	1	1.08	1.08
Ist Year (Expected)	30	1.31	39.30	1	1.08	1.08	30	1.13	33.90

Courses Detail	Total Estimated Strength 2016-17	Fee Per Student (In Lacs)	Total Estimated Revenue (In Lacs)	Total Revised Strength 2016-17	Fee Per Student (In Lacs)	Total Revised Revenue (In Lacs) 2016-17	Total Estimated Strength 2017-18	Fee Per Student (In Lacs)	Total Estimated Revenue (In Lacs)
M SC BIOTECHNOLOGY									
IInd Year	5	1.00	5.00	5	1.00	5.00	4	1.08	4.32
Ist Year (Expected)	30	1.31	39.30	4	1.08	4.32	30	1.13	33.90
M SC ENTOMOLOGY									
IInd Year	0	0.00	0.00	0	0.00	0.00	0	0.00	New Course
Ist Year (Expected)	0	0.00	0.00	0	0.00	0.00	30	1.13	33.90
M SC GENETICS & PLANT BREEDING									
IInd Year)	0	0.00	0.00	0	0.00	0.00	0	0.00	New Course
Ist Year (Expected)	0	0.00	0.00	0	0.00	0.00	30	1.13	33.90
M SC AGRONOMY									
IInd Year	0	0.00	0.00	0	0.00	0.00	0	0.00	New Course
Ist Year(Expected)	0	0.00	0.00	0	0.00	0.00	30	1.13	33.90
M.SC HORTICULTURE									
IInd Year	0	0.00	0.00	0	0.00	0.00	0	0.00	Newly Proposed
Ist Year(Expected)	0	0.00	0.00	0	0.00	0.00	30	1.13	33.90
M SC PLANT PATHOLOGY									
IInd Year	0	0.00	0.00	0	0.00	0.00	0	0.00	New Course
Ist Year(Expected)	0	0.00	0.00	0	0.00	0.00	30	1.13	33.90
M SC NURSING									
II nd Year	11	2.16	23.76	10	2.16	21.60	16	2.15	34.40
Ist Year (Expected)	20	2.26	45.20	20	2.15	43.00	30	2.15	64.50
MPH									
IInd Year	11	1.00	11.00	10	1.00	10.00	15	1.08	16.20
Ist Year (Expected)	30	1.31	39.30	15	1.08	16.20	30	1.13	33.90
MHA									
IInd year	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Ist Year (Expected)	30	1.31	39.30	0	0.00	0.00	30	1.13	33.90
Sub Total	659		910.89	186		251.22	921		1164.93
Ph.D Chemistry	3	1.80	5.40	3	1.15	3.45	3	1.15	3.45
Ph.D Physics	3	1.80	5.40	4	1.15	4.60	4	1.15	4.60
Ph.D Biotech	10	11.60	116.00	11	1.15	12.65	12	1.15	13.80
Ph.D Eco	1	0.60	0.60	1	0.60	0.60	2	0.60	1.20
Ph.D Maths, Chemistry, Physics, Biotech, Economics, Biochem., Commerce, Business Mgt.,ECE,CSE, Renewable Energy, MPH, Nursing, Music & English (Expected)	66	1.31	86.46	7	1.15	8.05	49	1.15	56.35
Sub Total	83		213.86	26		29.35	70		79.40
Grand Total	2314		3051.99	1107		1268.67	2825		3369.71

APPENDIX 'B'

ETERNAL UNIVERSITY
STATEMENT OF BUDGET EXPENDITURE

Sr No	Item	Actual Expenditure2015-16(In Rs Lacs)	Estimated Expenses2016-17 (In Lacs)	Total Revised Estimate Expenses 2016-17 (In Lacs)	Estimated Expenses (Rs Lacs) 2017-18
1	Salary - Faculty & Administrative Staff (Refer Annexure (i) & (ii)	462.96	940.68	788.52	1251.72
2	Salary - Visiting Faculty	0.60	2.50	0.20	1.00
3	Employer's Contribution to Provident Fund	4.87	3.50	5.00	6.00
4	Equipments for Various Labs (Electronics , Biotechnology, chemistry, Physics, Food Technology. & Other Consumables)	49.54	50.00	37.89	50.00
5	Computers & Internet Charges	6.81	15.00	14.11	16.50
6	Library Books & Journals	8.15	20.00	15.92	20.00
7	Mess Meal Charges	55.64	150.00	75.00	100.00
8	Hostel Rent & Building Maintenance	1.82	20.00	172.00	175.00
9	Course Approval	5.62	7.50	10.50	15.00
10	Advertisement, & other Admissions expenses	35.26	35.00	35.00	40.00
11	Electricity Charges	28.8	40.00	38.76	45.00
12	Examination	1.12	5.00	2.20	5.00
13	Printing & Stationery	3.71	12.50	5.38	7.50
14	Travelling	3.11	5.00	3.50	5.50
15	Meals & Refreshment	0.85	3.00	0.90	2.00
16	Telephone & postage	1.13	2.50	1.60	2.50
17	Security Refundable (out going students)	0.00	2.00	5.77	6.00
18	Sports	0.56	3.00	0.60	2.00
19	Newspapers & Periodicals	0.75	1.50	0.79	1.50
20	Bank Charges	0.49	1.00	0.55	1.00
21	Student's Work study programme (50 students approx.)	1.48	5.00	1.10	2.50
22	Akal College of Nursing Students clinical posting, trip expenses etc.	20.16	35.00	25.20	30.00
23	Conferences, Symposia & Workshops	2.16	6.00	1.79	5.00
24	Camp office Chandigarh	0.00	6.00	0.00	6.00
25	Vehicles Purchase	2.79	10.00	3.97	5.00
26	Petrol/Diesel & vehicle maintenance	0.46	2.50	0.85	2.50
27	Cultural Programmes/ Convocation	1.15	3.50	0.50	2.00
28	Training & Placements	0.14	5.00	0.25	2.00
29	Miscellaneous Expenses including arrears of 7th PayCommission, Children Allowance, Students' Group Medical Insurance	0.04	40.00	0.35	40.00
30	Animals, Feed, Fodder & Medicines for dairy complex	0.00	0.00	8.75	10.00
	Total Expenditure	700.17	1432.68	1256.95	1858.22

ANNEXTURE - (i)

ETERNAL UNIVERSITY
ESTIMATED SALARY BUDGET

	Estimated Salary 2016-17				Revised Salary 2016-17				Estimated Salary 2017-18			
Particulars	**Monthly Salary Per Teacher (In Rs Lacs)**	**Number of Estimated Teachers**	**Monthly Expenses (In Rs Lacs)**	**Annual Expenses Estimeted (In Rs Lacs)**	**Monthly Salary Per Teacher (In Rs Lacs)**	**Number of Estimated Teachers**	**Monthly Expenses (In Rs Lacs)**	**Annual Expenses Estimeted (In Rs Lacs)**	**Monthly Salary Per Teacher (In Rs Lacs)**	**Number of Estimated Teachers**	**Monthly Expenses (In Rs Lacs)**	**Annual Expenses Estimeted (In Rs Lacs)**
Professor	**0.86**	**20**	**17.20**	**206.40**	**0.86**	**16**	**13.76**	**165.12**	**0.86**	**25**	**21.50**	**258.00**
Associate Professors	**0.65**	**20**	**13.00**	**156.00**	**0.65**	**9**	**5.85**	**70.20**	**0.65**	**39**	**25.35**	**304.20**
Asst. Professors	**0.43**	**64**	**27.52**	**330.24**	**0.43**	**75**	**32.25**	**387.00**	**0.43**	**85**	**36.55**	**438.60**
Lecturers/ CI	**0.24**	**34**	**8.16**	**97.92**	**0.24**	**21**	**5.04**	**60.48**	**0.24**	**34**	**8.16**	**97.92**
Research Scholars	**0.08**	**15**	**1.20**	**14.40**	**0.08**	**11**	**0.88**	**10.56**	**0.08**	**18**	**1.44**	**17.28**
Adminstrative Staff for Eternal University	**0.59**	**5**	**2.95**	**35.40**	**0.59**	**3**	**1.77**	**21.24**	**0.59**	**5**	**2.95**	**35.40**
Non.- Teaching & other Supporting Staff	**0.22**	**38**	**8.36**	**100.32**	**0.22**	**28**	**6.16**	**73.92**	**0.22**	**38**	**8.36**	**100.32**
Total		**196**		**940.68**		**163**		**788.52**		**244**		**1,251.72**

Note:- Annual Estimated expenses increased due to some more proposed intake of faculty for newly approved Courses for the year 2017-18.

ANNEXTURE - (ii)

ETERNAL UNIVERSITY
BUDGET OF TEACHERS

		Estimated Faculty 2016-17					Revised Faculty 2016-17					Estimated Faculty 2017-18				
Sr. No.	Name of Colleges/ School	Professor	Associate Prof.	Assistant Prof.	Lecturer/ CI	Research Scholar	Professor	Associate Prof.	Assistant Prof.	Lecturer/ CI	Research Scholar	Professor	Associate Prof.	Assistant Prof.	Lecturer/ CI	Research Scholar
1	Akal College of Agriculture	5	3	11	0	8	4	1	15	0	5	5	8	14	0	6
2	Akal College of Economics Commerce & Management	2	3	7	5	0	1	2	6	3	0	3	6	12	5	1
3	Akal College of Engineering & Technology	3	3	12	6	2	1	1	17	3	1	3	6	14	6	2
4	Akal College of Basic Sciences	3	3	7	5	5	2	1	17	0	5	4	6	17	5	6
5	Now Akal College of Health & Allied Science	3	3	14	15	0	4	3	8	15	0	5	6	14	15	2
6	Akal College of Arts & Social Sciences	2	3	9	2	0	2	1	9	0	0	3	5	10	2	1
7	Akal College of Education	2	2	4	1	0	2	0	3	0	0	2	2	4	1	0
Total		20	20	64	34	15	16	9	75	21	11	25	39	85	34	18

By Speed post/ Registered/ Fax

Phones : 0512 – 2451759-78
Fax : 0512 – 2450404
: 0512 – 2404774
E-Mail : dmsrde@sancharnet.in

All correspondence to be addressed to the Director and this Establishment reference be quoted invariably while replying

No. TR/0569/CARS Project - 71

Govt. of India, Ministry of Defence
Defence Research and Development Organisation
Defence Materials & Stores Research and Development Establishment (DMSRDE),
D.M.S.R.D.E., P.O., G.T. Road, Kanpur - 208 013.

Dated: 29 November, 2012

To,
The Director,
ETERNAL UNIVERSITY,
BARU SAHIB , VIA RAJGARH,
Distt : SIRMOUR , HIMACHAL PRADESH :- 173 101 (INDIA)

Kind Attention: (Dr. Manmohan Singh Atwal, Vice Chancellor, Eternal University).

SUB :- **FORWARDING OF CARS PROJECT DOCUMENT TILTED "SYNTHESIS OF MATERIALS HAVING HIGH MAGNETIC VALUES APPLICABLE FOR LOWER MICROWAVE FREQUENCY REGION".**

Please find enclosed herewith, one complete set of CARS Project Proforma duly approved by the competent authority is enclosed for your record please and Contingent Bill for Rs. 4,00,000/- raised by your institution the same has been forwarded to MMG Division for releasing the initial Installment.

This is for your kind information please.

Encls :- Copies of Annexure- 1 & 2 Proforma (12 Sheets)

(DARSHAN LAL)
Scientist 'F'
For Director

EU/Veo/069/misc

ETERNAL UNIVERSITY Dairy No. 627 Date 21/11/12 Baru Sahib, Distt. Sirmour (H.P.) 173101

Seen By	
The V.C.	
Registrar	
Supdt.	

(Naresh/ CARS/letter/39)

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(Dr NK Rathan)

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ANNEXURE -I

7462

SUMMARY OFFER OF PROVISION OF RESEARCH SERVICES

1.	Title of DRDO's Research Service Qualitative Requirement (RSQR): Synthesis of magnetic materials for lower micro wave frequency region				Contract Number: TR/0569/CARS PROJECT-71 Date Received: 06/11/2012 Revised on:	FOR DRDO USE
2.	RSQR Document Ref.No. TR/0569/CARS	Date of issue YY: 2012 MM: 11 DD: 06			IssuingDRDOLab/Estt/Project: DMSRDE, Kanpur	Remarks of RSQR initiator:
3.	Name of Research Service provider (RSP) making the offer: Mr. Sukhdeep Singh (PI) & Dr. N.K.Ralhan (Co-PI)				4. RSP's Ref. No. Date:	Judgment of PDC
3(a)	RSP's address for correspondence Akal School of Chemistry, Eternal University, Baru Sahib, Himachal Pradesh, India Pin:173101 Mob: 09882239630, E-mail: deepsukh.singh@gmail.com				5.(a) Key personnel of RSP to be deployed Mr. Sukhdeep Singh & Dr. N.K.Ralhan 5 (b) RSP's sub-contractor's/consultants ----------NOT APPLICABLE---------- a) Name Institute / Company b) Name Institute / Company	
6.	Principal technical features of Research Service to be provided (detailed in Attachment A) As per Attachment 'A'					
7.	DRDO-owned equipment that RSP requires to be positioned by DRDO (detailed, with estimated costs in Attachment 'B') Nil					
8.	Estimated time to complete provision of research services and submit Final Report				Months: 24 months	
9.1	Estimated Expenditure (as elaborated on reverse) on:				Rs. in Lakhs	
a)	Personnel				4.000	
b)	Equipment				2.000	
c)	Others				3.800	
				Total:	9.800	
9.2	Required schedule of payments (Rs. in Lakhs)			Date	Payment	
a)	Initial advance			0 -6 months	4.00	
b)	At performance Milestone I of RSQR			6-12 months	3.00	
c)	At performance Milestone II of RSQR			12 -18 months	2.00	
d)	At performance Milestone III of RSQR			18-24 months	0.80	
e)	On submission of Final Report					
				Total:	9.80	

10. References to R&D work being performed by RSP for Armed Services/DRDO/other S&T (including foreign) agencies: Nil.

11. Offer as above valid till (date):

12. Signature of competent authority of RSP:
Name: Manmohan Singh Atwal
Designation: Vice Chancellor

Manmohan S. Atwal
Vice Chancellor
Eternal University
Baru Sahib (H.P.) 173101

Instructions to fill this sheet are on the reverse. Please read them

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Send filled-in form to: The Director
L/E/P issuing RSQR

Guidance to fill form:

Item 5(a): In offers whose expected time to completion is more than 18 months, RSP shall identify at least two key personnel who engage in the work.

Item 5(b): Consultants who are non-Indian citizens (whether or not of Indian origin) will require prior approval of DRDO

Item 6: Highlight investigation methodology and / or experimental design intended to be followed.

Item 7: Identify equipment. Detail in Attachment B, including proposed country or origin.

Item 9.1.(a) Indicate below categories, and numbers in each category, of personnel proposed to be engaged and their monthly total emoluments.

- 1 Person Full Time for all the 24 months

Qualification of the MSc. Degree holder with 60 % and some research experience with monthly-emoluments of Rs 16,000 that comes up to total of Rs 3.8 Lakhs. As per Institute rules 10% HRA will be given on this sum i.e. total Rs 4.0Lakhs. Hence total money payable for salary is 4.0 Lakhs.

Item 9.1(b): List below all equipment required. Prior approval of L/E/P will be required to order any equipment for which the potential supplier asks for an end-use or end-user certificate.

- Equipment's worth 2.0 Lakhs will be bought for the project.

Item 9.1(c): Enter total of expected other expenses listed below:

Expected other expenses on:	Rs. in Lakhs
Sub-contracts (Details of sub-contracts must be provided in Attachment A)	0.0
Equipment required for provision of the Research Service	0.0
Miscellaneous (In Contingency to cover below mentioned) Chemicals Testing Travel and Maintenance.	2.8
Visiting Faculty or Research consultants	0.0
Technical support services procured from outside the RSP	0.0
Fees for use of intellectual assets (including royalties for legally protected IPR)	0.0
Overheads , Services provided by the Eternal University (Fixed amount till completion of provision of research service)#	1.0
	Total = 3.8

Will not be changed notwithstanding variations in actual expenditure under other heads in items 9.

Hence the Grand total is 4.0 Lakhs on salary + 3.8 Lakhs on other expenses+ Equipment's worth 2.0 Lakhs = Total 9.80 Lakhs

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I. **Specific Conditions of this contract:** The following conditions apply (L/E/P to stipulate) in addition to General Conditions listed at II below:

1. **Technical performance:** The satisfactory execution of the technical features of this contract shall be established against Performance Milestones as follows:
2. **Delivery schedules:** The interim reports and / or other outcome(s) of this contract shall be delivered as follows:
3. **Other specific conditions:**

II. **General Conditions of this CARS**

1. **Equipment:**

1.1 All equipment of a capital nature purchased, by the Research Service provider (RSP), to execute this contract are the property of DRDO (L/E/P). These shall be returned to L/E/P within 03 months of expiry of this contract, unless L/E/P specifies otherwise separately.

Note: Should there be a difference of opinion between the RSP and L/E/P on whether or not a piece of equipment is of 'capital nature', the decision of L/E/P shall be final and binding on the RSP.

1.2 Equipment included in the Summary Offer of Research Services [at entry 9.1(b)] shall be procured by the RSP

1.3 The RSP shall be responsible for the proper maintenance of the equipment and shall not alienate them, or use them without the prior permission of L/E/P for purposes other than those specified in this contract

2. **Financial provisions:** By entering into this contract, the RSP agrees to make available to the L/E/P, or to any person or bodies designated by it, if requested by the L/E/Ps, all financial documentation and records on supplied and services purchased or acquired by the RSP for executing the contract.

2.1 **Advances, work-in progress and schedule of payments:**

(a) Advances or milestone payments are interim payments, which shall be deducted from total sums due to the RSP

(b) The L/E/P shall make payments for executing this contract on demands made through 'Contingent Bills' after certification by the pertinent financial authority of the RSP that the monies already released have utilized for the purposes for which they were provided

(c) Statements on expenditures incurred on items at 9.1 overleaf as certified by the internal auditors of the RSP shall be submitted within 30 days of crossing of each performance milestone identified in the schedule of payments at 9.2 overleaf.

(d) Except with the specific written pre-agreement of the L/E/P, the RSP shall not use for any purposes other than those specified in this contract, any material or services for which advances or milestone payments have been made.

2.2 **Financial documentation and records:**

(a) For work whose estimated time for completion is six months or less, the RSP shall submit only those reports as relate to the purchase of equipment by the RSP, within thirty (30) days of such purchase.

(b) For contracts whose estimated time for completion is more than six months, the RSP shall provide the L/E/P, not later than thirty (30) days after the end of each half-year, with a half-yearly financial report showing the actual expenditure incurred, against each of the entries at item 9.1 overleaf, for the execution of the contract up to the end of the previous half-year.

(c) The L/E/P, or other authority specified by DRDO, may inspect all books, bills, vouchers and other financial records at any time until the final settlement of accounts. The RSP shall supply the L/E/P with such documents as are necessary for final settlement of claims, without explicit request by the L/E/P, within three (3) months after the date of submission of Final Report.

(d) The documents supporting claims shall be preserved by the RSP until one year after the contract accounts are finally settled.

3. **Disclosure and use of information by the RSP:** The RSP will ensure that the documents supplied by the L/E/P are not disclosed to any person other than a person authorized by the L/E/P. Any pattern, sample or information in documentary or other physical form remains the property of the L/E/P throughout the period of the contract and shall be returned to the L/E/P after execution of the contract, unless their disposal is otherwise provided for in the contract.

4. **Delivery schedule:**

4.1 The interim outcomes of the contract shall be delivered at the time or times and in manner specified in I above

4.2 The RSP shall inform the L/E/P promptly of any occurrence that is likely to cause delay in delivery of above contracted outcomes. The L/E/P shall determine, in the light of circumstances reported, the extent of change(s) required in the delivery schedule of the contract.

Note: The above covers only unexpected technical difficulties, gross delays in deliveries by suppliers of purchased equipment or consumables, illness or other justifiable cause of unavailability of research personnel and similar unforeseen circumstances.

4.3 An extension of the time limit for execution of the contract, or a postponement of delivery of outcomes shall required the explicit approval of the L/E/P, which approval shall be contractually valid only when this contract is formally amended by the L/E/P, as recorded on top right-hand corner overleaf.

5. **Short-closure of contract:** The contract may be short-closed at any time during the currency of its execution, if the L/E/P feels that no useful purpose will be served by continuing its implementation. The short closure will be deemed to be effective from the day the short closure order is received by the RSP. Subsequent to this short-closure the RSP will submit a technical report on the work done till short-closure. The monies left unspent on the date of receipt of short-closure order by the RSP shall be returned to L/E/P. All equipments/stores acquired out of contract monies shall also be returned to L/E/P.

6. **Reports:** Reports giving details of the progress of the work shall be sent to the L/E/P at intervals as specified in I above. On completion of the contract, the RSP will submit a final report (contractor report). All reports shall be in a format conforming to Indian Standard IS:1064-1980, bound with Bibliographic Description sheet conforming to IS:940-1980.

7. **Ownership of Intellectual Property (IP):**

7.1 The ownership of Intellectual Property, whether or not legally protected, generated by contract research performed under this contract shall vest in DRDO. However, the RSP shall receive, upon demand by it, a royalty-free license from DRDO to use these intellectual properties for its own purpose, which purposes specifically exclude sale or licensing tothird parties.

7.2 Notwithstanding the above, all documents and information detailing the technical performance of this contract (including pertinent laboratory notebooks, sketches, photographs, video tapes of experiments, electronic data acquisition records and other similar) shall be property of DRDO, whether or not in the physical possession of DRDO.

8. **Publications:** Interim technical results and the outcome of the contract, intellectual or physical, are the property of DRDO. If the investigator intends publishing the technical outcome, he shall send a written request to L/E/P for permission to publish along with a copy of the manuscript, within 60 (sixty) days of the receipt of such request, the L/E/P will inform the investigator(s) about its decision. If no communication is received from the L/E/P by the investigator/RSP within the period of 60(sixty) days, the investigator/RSP shall be free to publish the material as proposed by him.

9. **Publicity relating to this contract:** The existence of the contracts or the status of their execution shall not be published by the RSP in the media or in its periodic / Annual report except with the written consent of L/E/P. The latter shall be free to publish the material as proposed by him.

10. **Communication:** All communications affecting the performance of the contract, or its terms and conditions, shall be contractually valid only when confirmed by formal amendments to this contract made by the original signatories to the contract, and recorded in the box at the top right-hand corner overleaf.

11. **Compliance with law:** notwithstanding anything contained in this contract, the RSP shall be wholly responsible for complying with all laws in force in India.

12. **Settlement of disputes:** All disputed relating to this contract shall be settled mutually between the Vice-Chancellor / Director of the Academic institution and Director of L/E/P placing this contract. Any remaining unresolved disputed shall be referred to final binding settlement by authorities mutually decided by the Secretary, Defence Research & Development, Ministry of Defence, and Secretary, HRD, Government of India, unless otherwise provided for in specific conditions at I (4) above.

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Biguch Account

No. BT/AGR/BIOFORTI/PHII/NIN/2011

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated:.23.11.2015

ORDER

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules ,1978 , for the implementation of the project entitled "**Screening iron, zinc and carotenoid bioavailability from biofortified staple crops using coupled in vitro digestion/ Caco-2 cell model**" for a period of 3 Year 0 Month at a total cost of Rs. **15138000** (Rupees One Crores Fifty One Lakhs Thirty Eight Thousand Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : **Screening iron, zinc and carotenoid bioavailability from biofortified staple crops using coupled in vitro digestion/ Caco-2 cell model**

2.2 Details of the Investigatiors:

Project Cordinator

Dr. Madhavn krishnapillay Nair
Micronutrient Research
National Institute of Nutrition
Jamai Osmania,, Hyderabad,Telangana-500007

Principal Investigators:

Dr. Madhavn krishnapillay Nair
Scientist-F
Micronutrient Research
National Institute of Nutrition
Jamai Osmania,, Hyderabad,Telangana-500007

Dr. Sudip Ghosh
Scientist-E
Department of Molecular Biology
National Institute of Nutrition
Jamai Osmania, Hyderabad,Telangana-500007

Dr. Partha Roy
Professor
Department of Biotechnology
INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
IIT, Roorkee,Uttarakhand-247667

Seen, all concerned
to note for compliance
for expeditious implementation

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Dr. Vinod Kumar
Assistant Professor
Akal School of Biotechnology
Eternal University
Baru Sahib, Nahan,
Himachal Pradesh-173101

CO- Principal Investigators:

Dr. Debabrata Sircar
Assistant Professor
Department of Biotechnology
Indian Institute of Technology, Roorkee
IIT, Roorkee - 247667, Uttarakhand

Dr. Pullakhandam Raghu
Scientist-C
Micronutrient Research Group
National Institute of Nutrition
Biophysics Division,
Hyderabad - 500007, Telangana

Dr. Punjal Ravinder
Scientist-B,
Micronutrient Research Group
National Institute of Nutrition
Biophysics Division,
Hyderabad - 500007, Telangana

Dr. Sanjay Basak
Scientist-C
Biophysics Division
National Institute of Nutrition
Micronutrient Research
Unit, Hyderabad - 500007,
Telangana

Dr. Prabhjot Kaur Gill
Assistant Professor
Akal School of Biotechnology
Eternal University
Baru Sahib, Via Rajagadh,
Roorkee - 173101, Uttarakhand

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Objectives:

Institute wise Objectives:

2.3 Eternal University

1. Analysis of normal and biofortified cereals (rice, wheat, maize) for various inhibitors (phytic acid, tannin, calcium and dietary fibres) inherent in these grains and their correlation with dialyziability values of zinc and Iron.

2. Purification and characterization of phytases from fungi, yeast and actinomycetes.

3. Effect of fungal phytase supplementation and co-cultivation of phytase producing yeast for reduction of inherent phytate from the products on zinc and iron dialyzability using in vitro dialyzability and caco2 cell line model.

4. Effect of phytase on zinc bioavailability using luciferase reporter gene based transactivation assay.

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE

1. To optimize and validate the MTF1/MRE-luciferase based bioassay for screening of biofortified cereal samples for bioavailable zinc content.

2. To develop and validate the MTF1/MRE bioassay using GFP based fluorescence detection system for rapid screening and quantitative in situ visualization of Biofortification cereal samples for bioavailable zinc content.

3. To study the potential chemotherapeutic effects of bioavailable zinc from biofortified crops in micronutrient deficiency related breast cancer using a co-culture of Caco2 and breast cancer cells. Low levels of available zinc in the body have also been shown to be positively correlated with cancer incidence.

National Institute of Nutrition

1. To screen a set of potential bio-fortified genotypes (rice, wheat and maize) identified under the network program for target nutrient (iron, zinc and carotenoids) bioavailability using Caco-2 cell line.

2. Validation of the MTF1/MRE reporter gene based assay for assessing zinc bioavailability.

3. Effect of indigeneous phytase treatment on iron and zinc bioavailability from bio fortified crops.

2.4 Time Schedule:

The duration of the project is 3 Year 0 Month from the date of this sanction order.

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2.5 Project Cost:

The total cost of the project is Rs. **15138000**/-(Rupees One Crores Fifty One Lakhs Thirty Eight Thousand Only) as per details given below:

Institute	Year I	Year II	Year III	Total Cost(Rs.)
1. Eternal University	1890000	910000	849600	**3649600**
2. INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE	2415000	1015000	1054600	**4484600**
3. National Institute of Nutrition	4690600	1256600	1056600	**7003800**
Total (Rs.)	**8995600**	**3181600**	**2960800**	**15138000**

Institute wise details are:

Budget Head	Year I	Year II	Year III	Total(Rs.)
1. National Institute of Nutrition				
Equipment	3214000.00			**3214000.00**
Manpower	561600.00	561600.00	561600.00	**1684800.00**
Overhead	50000.00	50000.00	50000.00	**150000.00**
Travel	25000.00	25000.00	25000.00	**75000.00**
Consumables	800000.00	600000.00	400000.00	**1800000.00**
Contingency	40000.00	20000.00	20000.00	**80000.00**
Total (Rs.)	**4690600.00**	**1256600.00**	**1056600.00**	**7003800.00**

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2. INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE				
Equipment	1500000.00			**1500000.00**
Manpower	330000.00	330000.00	369600.00	**1029600.00**
Overhead	50000.00	50000.00	50000.00	**150000.00**
Travel	25000.00	25000.00	25000.00	**75000.00**
Consumables	500000.00	600000.00	600000.00	**1700000.00**
Contingency	10000.00	10000.00	10000.00	**30000.00**
Total (Rs.)	**2415000.00**	**1015000.00**	**1054600.00**	**4484600.00**

3. Eternal University				
Equipment	970000.00			**970000.00**
Manpower	330000.00	330000.00	369600.00	**1029600.00**
Travel	40000.00	30000.00	30000.00	**100000.00**
Consumables	500000.00	500000.00	400000.00	**1400000.00**
Contingency	50000.00	50000.00	50000.00	**150000.00**
Total (Rs.)	**1890000.00**	**910000.00**	**849600.00**	**3649600.00**

2.6 Equipment

The details of the equipment sanctioned for the implementation of the project at **Annexure-I**

2.7 Manpower:

The details of the manpower sanctioned for the implementation of the project at **Annexure-II**

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3. **Head of Account:**

The **Non-Recurring** expenditure involved is debitable to:

Demand No. 88	Department of Biotechnology
3425	Other Scientific Research 2015-2016
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Assistance for Research & Development
3425.60.200.29.17	Assistance for Research & Development
3425.60.200.29.17.35	Grants forcreation of capital Assets

The **Recurring** expenditure involved is debitable to:

Demand No. 88	Department of Biotechnology
3425	Other Scientific Research 2015-2016
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Assistance for Research & Development
3425.60.200.29.17	Assistance for Research & Development
3425.60.200.29.17.31	Grants in Aid-General

4. **Terms & Conditions:**

4.1 The other terms and conditions governing this sanction are attached at Annexure- III.

4.2 A Memorandum of Agreement (MoA) will be signed between the Department of Biotechnology and the grantee institution on Non-Judicial stamp paper Rs. 100/- in the enclosed format and the second release/installment will be made only after signing of MoA by the grantee institutions and its acceptance by DBT. In case of NGO or Private Institution, MOA signed is mandatory first release. A format of the MoA is enclosed in Annexure-IV

4.3 The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilisation Certificate and Statement of Expenditure. The Interest so earned will be treated as created to the institute/Agency and shall be adjusted towards further installment of the grant and or at the time of Final Settlement of Accounts.

5. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.

6. The Director, INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE, Roorkee, Uttarakhand and The Director, National Institute of Nutrition, Hyderabad, Andhra Pradesh and The Registrar, Eternal University, Rajgarh Sirmaur HP, Himachal Pradesh would be responsible for submission of Statements of Expenditure (SoE), utilization certificates (UC), Assets Certificates, Manpower staffing & expenditure details in prescribed DBT formats to DBT in respect of grants released in

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this project from time to time.

7. PI's of DBT sponsored projects can consider appointment of JRF from Category-II merit list of DBT-BET exam so that candidates can be paid fellowships at par with NET/GATE/BET qualified candidates as per DST OM No. A.SR/S9/Z-09/2012 dated 21 Oct 2014. However, there is no compulsion on PI's to select candidates for JRF in their projects from Category-II of DBT-BET.

8. The accounts of grantee institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so by the sanctioning authority.

9. This issues under the power delegated to this Department and with the concurrence of IFD vide their SAN No. **102/IFD/SAN/3112/2015-2016** dated **20.11.2015**

10. This sanction order has been noted at serial no. 134 in the Register of Grants.

Dr. Onkar N Tiwari
(Scientist 'D')

To,
The Pay & Accounts Officer,
Department of Biotechnology,
New Delhi – 110 003.

Copy to:

1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002

2 **Dr. K. Madhavan Nair**, Scientist-F, Micronutrient Research Group, Biophysics Division, National Institute of Nutrition, Indian Council of Medical Research, Jamai Osmania, Hyderabad-500007, Andhra Pradesh

3 **Dr. Sundip Ghosh, Scientist-D, Department of Molecular Biology,** National Institute of Nutrition, Indian Council of Medical Research, Jamai Osmania, Hyderabad-500007, Andhra pradesh

4 **Dr. Pullakhandam Raghu**, Scientist-C, Micronutrient Research Group, National Institute of Nutrition, Biophysics Division, Hyderabad - 500007, Telangana

5 **Dr. Sanjay Basak,** Scientist-C, Biophysics Division, National Institute of Nutrition, Micronutrient Research Unit, Hyderabad - 500007, Telangana

6 **The Director**, National Institute of Nutrition, Indian Council of Medical Research, Jamai Osmania, Hyderabad-500007, Andhra Pradesh

7 **Dr. Partha Roy**, Professor, Department of Biotechnology Indian Institute of Technology-Roorkee, Roorkee - 247667, Uttarakhand

8 **Dr. Debabrata Sircar,** Assistant Professor, Department of Biotechnology, Indian Institute of Technology- Roorkee, Uttarakhand-247667, Andhra Pradesh

9 **Director**, Indian Institute of Technology- Roorkee, Roorkee - 247667, Uttarakhand

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10 **Dr. Vinod Kumar,** Assistant Professor, Akal School of Biotechnology, Eternal University, Baru Sahib, Via Rajagadh, Sirmaur-173101, Himachal Pradesh

11 **Dr. Prabhjot Kaur Gill,** Assistant Professor, Akal School of Biotechnology, Eternal University, Baru Sahib, Via Rajagadh, Sirmaur-173101, Himachal Pradesh

12 **Registrar**, Eternal University, Baru Sahib, (Via Rajgarh) Rajgarh Sirmaur Himachal Pradesh-173101

13 Cash Section, DBT (2 copies).
14 Sanction Folder.
15 File Copy.

Dr. Onkar N Tiwari
(Scientist 'D')

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Annexure -I

Details of the Equipment sanctioned for the implemention of the project titled **"Screening iron, zinc and carotenoid bioavailability from biofortified staple crops using coupled in vitro digestion/ Caco-2 cell model":**

National Institute of Nutrition			
SNo.	**Name of Equipment**	**No.**	**Cost(Rs.)**
1.	HPLC with automated sample injector	1	3214000.00
		Total	**3214000.00**

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE			
SNo.	**Name of Equipment**	**No.**	**Cost(Rs.)**
1.	Multilabel plate reader	1	1500000.00
		Total	**1500000.00**

Eternal University			
SNo.	**Name of Equipment**	**No.**	**Cost(Rs.)**
1.	Inverted Microscope with camera	1	175000.00
2.	Biosafety Laminar flow system	1	195000.00
3.	Refrigerated centrifuge (Multipurpose)	1	600000.00
		Total	**970000.00**

Dr. Onkar N Tiwari
(Scientist 'D')

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Annexure -II

Details of the manpower sanctioned for the implemention of the project titled **"Screening iron, zinc and carotenoid bioavailability from biofortified staple crops using coupled in vitro digestion/ Caco-2 cell model"**:

Head	No. of Position	Year I	Year II	Year III	Total (Rs.)
1. Eternal University					
Junior Research Fellow @Rs. 25000+10% HRA for 1st & 2nd year Senior Research Fellow @Rs. 28000+10% HRA for 3rd year	1	330000.00	330000.00	369600.00	**1029600.00**
Total(Rs.)		**330000.00**	**330000.00**	**369600.00**	**1029600.00**
2. INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE					
Junior Research Fellow @Rs. 25000+10% HRA for 1st & 2nd year Senior Research Fellow @Rs. 28000+10% HRA for 3rd year	1	330000.00	330000.00	369600.00	**1029600.00**
Total(Rs.)		**330000.00**	**330000.00**	**369600.00**	**1029600.00**
3. National Institute of Nutrition					
Research Associate Rs. 36000 +30%HRA (10800)= 46800 per month	1	561600.00	561600.00	561600.00	**1684800.00**
Total(Rs.)		**561600.00**	**561600.00**	**561600.00**	**1684800.00**

Emoluments detail of research personal(s) mentioned in tabie(s) of Annexure-II shall be applicable only if candidate(s) met educational qualification and eligibility criteria as per DST OM No.SR/S9/Z-09/2012 dated 21.10.2014.

Dr. Onkar N Tiwari
(Scientist 'D')

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Accounts

No. BT/AGR/BIOFORTI/PHII/NIN/2011
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, (6-8th Floors
CGO Complex, Lodhi Road
New Delhi- 110 00

Date: 16/12/201

RELEASE ORDER

In continuation of this Department's sanction order of even number dated Nov 20, 2015 sanction of the President is hereby accorded, under Rule18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **970000.00** (Rupees Nine Lakhs Seventy Thousand Only) being the first year release for the project entitled **"Screening iron, zinc and carotenoid bioavailability from biofortified staple crops using coupled in vitro digestion/ Caco-2 cell model",** being implemented by

Dr. Vinod Kumar, Eternal University, Baru Sahib, Nahan - 173101, Himachal Pradesh

The detailed break-up is as given below:

SNo	Institute Name	Non Recurring		Total Release Amount (Rs)
		Equipment	Other	
1	Eternal University	970000.00	0.00	**970000.00**

2. The amount of Rs. **970000.00 /-(Rupees Nine Lakhs Seventy Thousand Only)** will be drawn by the Drawing & Disbursing Officer, DBT, from the Pay & Accounts Officer, DBT, and disbursed through RTGS as per following details:

3880-

The Registrar, Eternal University, Baru Sahib, Via Rajgarh, Rajgarh Sirmaur HP - 173101, Himachal Pradesh

Bank Name : State Bank of India
Branch Name : Baru sahib Eternal University
A/c No. : 30957030400
IFSC Code : SBIN0011784
MICR Code : 173002301

3. The expenditure involved is debitable to:

Demand No. 88	Department of Biotechnology
3425	Other Scientific Research 2015-2016
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Assistance for Research & Development
3425.60.200.29.17	Assistance for Research & Development
3425.60.200.29.17.35	Grants for creation of capital Assets

4. The Registrar, Eternal University, Rajgarh Sirmaur HP, Himachal Pradesh will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.

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Account

5. The Accounts of grantee institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so by the sanctioning authority.

6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
7. Non Recurring (Equipment) grant should be utilized within one year.

It is certified that the amount proposed in this release order is within the approved budget allocation of the programme / project

In case the whole or a part of the amount of the grant-in-aid is being refunded, and interest at the rate of ten per cent per annum thereon shall be recovered.

The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilisation Certificate and Statement of Expenditure. The Interest so earned will be treated as a credit to the institute/Agency and shall be adjusted towards further instalment of the grant and or at the time of Final Settlement of Accounts.

No UC is due for rendition.

Any further grant release in the project would also be subject to utilization certificates (UC) updates in PFMS. The other terms and conditions governing the financial sanction will remain unaltered.

8. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their (N No. **102/IFD/SAN/3504/2015-2016** dated **December, 15 2015**.
9. This sanction order has been noted at serial no. 153 in the Register of Grants.

(Dr. Onkar N Tiwari)
Scientist 'D'

To,

The Pay & Accounts Officer,
Department of Biotechnology,
New Delhi - 110 003.

Copy to:

1 The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi- 110 002.

2 **Dr. K. Madhavan Nair,** Scientist-F, Micronutrient Research Group, Biophysics Division, National Institute of Nutrition, Indian Council of Medical Research, Jamai Osmania, Hyderabad-500007, Andhra Pradesh

3 **The Director**, National Institute of Nutrition, Indian Council of Medical Research, Jamai Osmania, Hyderabad-500007, Andhra Pradesh

4 **Dr. Vinod Kumar,** Assistant Professor, Akal School of Biotechnology, Eternal University, Baru Sahib, Via Rajagadh, Sirmaur-173101, Himachal Pradesh

5 **Registrar**, Akal School of Biotechnology, Eternal University, Baru Sahib, Via Rajagadh, Sirmaur-173101, Himachal Pradesh

6 Cash Section, DBT (2 copies).

7 Sanction Folder.

8 File Copy.

(Dr. Onkar N Tiwari)
Scientist 'D'

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Account

No. BT/AGR/BIOFORTI/PHII/NIN/2011
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, (6-8th Floors)
CGO Complex, Lodhi Road,
New Delhi- 110 003

Date: 16/12/2015

RELEASE ORDER

In continuation of this Department's sanction order of even number dated Nov 20, 2015 sanction of the President is hereby accorded, under Rule18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **920000.00** (Rupees Nine Lakhs Twenty Thousand Only) being the first year release for the project entitled **"Screening iron, zinc and carotenoid bioavailability from biofortified staple crops using coupled in vitro digestion/ Caco-2 cell model"**, being implemented by

Dr. Vinod Kumar, Eternal University, Baru Sahib, Nahan - 173101, Himachal Pradesh

The detailed break-up is as given below:

SNo	Institute Name	Recurring						Total Release Amount (Rs)
		Manpower	Consumable	Travel	Contingency	Others	Overhead	
1	Eternal University	330000.00	500000.00	40000.00	50000.00	0.00	0.00	920000.00

2. The amount of Rs. **920000.00 /-(Rupees Nine Lakhs Twenty Thousand Only)** will be drawn by the Drawing & Disbursing Officer, DBT, from the Pay & Accounts Officer, DBT, and disbursed through RTGS as per following details:

The Registrar, Eternal University, Baru Sahib, Via Rajgarh, Rajgarh Sirmaur HP - 173101, Himachal Pradesh

Bank Name : State Bank of India
Branch Name : Baru sahib Eternal University
A/c No. : 30957030400
IFSC Code : SBIN0011784
MICR Code : 173002301

3. The expenditure involved is debitable to:

Demand No. 88	**Department of Biotechnology**
3425	Other Scientific Research 2015-2016
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Assistance for Research & Development
3425.60.200.29.17	Assistance for Research & Development
3425.60.200.29.17.31	Grants in Aid-General

4. The Registrar, Eternal University, Rajgarh Sirmaur HP, Himachal Pradesh will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.

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5. The Accounts of grantee institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so by the sanctioning authority.

6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.

7. It is certified that the amount proposed in this release order is within the approved budget allocation of the programme / project

   In case the whole or a part of the amount of the grant-in-aid is being refunded, and interest at the rate of ten per cent per annum thereon shall be recovered.

   The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilisation Certificate and Statement of Expenditure. The Interest so earned will be treated as a credit to the institute/Agency and shall be adjusted towards further instalment of the grant and or at the time of Final Settlement of Accounts.

   No UC is due for rendition.

   Any further grant release in the project would also be subject to utilization certificates (UC) updates in PFMS. The other terms and conditions governing the financial sanction will remain unaltered.

8. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their U.O. No. **102/IFD/SAN/3503/2015-2016** dated **December, 15 2015**.

9. This sanction order has been noted at serial no. 151 in the Register of Grants.

(Dr. Onkar N Tiwari)
Scientist 'D'

To,

The Pay & Accounts Officer,
Department of Biotechnology,
New Delhi - 110 003.

Copy to:

1 The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi- 110 002.

2 **Dr. K. Madhavan Nair,** Scientist-F, Micronutrient Research Group, Biophysics Division, National Institute of Nutrition, Indian Council of Medical Research, Jamai Osmania, Hyderabad-500007, Andhra Pradesh

3 **The Director,** National Institute of Nutrition, Indian Council of Medical Research, Jamai Osmania, Hyderabad-500007, Andhra Pradesh

4 **Dr. Vinod Kumar,** Assistant Professor, Akal School of Biotechnology, Eternal University, Baru Sahib, Via Rajagadh, Sirmaur-173101, Himachal Pradesh

5 **Registrar,** Akal School of Biotechnology, Eternal University, Baru Sahib, Via Rajagadh, Sirmaur-173101, Himachal Pradesh

6 Cash Section, DBT (2 copies).

7 Sanction Folder.

8 File Copy.

(Dr. Onkar N Tiwari)
Scientist 'D'

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No. BT/AGR/Wheat Bioforti/PH-II/2010
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003

Dated: March 22, 2012

ORDER

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled **"Biofortification of wheat for micronutrients Through conventional and molecular approaches-Phase II"** for a period of 5 Year 0 Month at a total cost of **Rs. 57735800/-** (Rupees Five Crores Seventy Seven Lakhs Thirty Five Thousand and Eight Hundred Only) on the terms and conditions detailed here under:-

2. The Project:

2.1 Title:

"Biofortification of wheat for micronutrients through conventional and molecular approaches-Phase II"

2.2 Project Coordinator:

Dr. Anju Mahendru Singh, Division of Genetics, Indian Agricultural Research Institute, New Delhi-110012

2.3 Project Investigator(s):

PI:

Dr. Anju Mahendru Singh, Senior Scientist, Division of Genetics, Indian Agricultural Research Institute, New Delhi-110012

Dr. Kuldeep Singh, Professor (Molecular Genetics), School of Agriculture Biotechnology, Panjab Agriculture University, Ludhiana – 141004

Dr. Vishan Chugh, Assistant Professor, Akal School of Biotechnology, Eternal University, Baru Sahib -173101 (HP)

Dr. Sundip Kumar, Associate Professor, Molecular Biology & Genetic Engineering, G B Pant University of Agriculture and Technology, Pantnagar-263145 (Uttarakhand)

Dr. Shubhada A. Tamankar, Scientist E, Genetics and Plant Breeding Group, Agharkar Research Institute, GG Agharkar Road, Pune-411004

Dr. S. V. Sai Prasad, Senior Scientist, Indian Agricultural Research Institute, Regional Station, Indore-452001

CO-PI:

Dr. (Mrs) Neelu Jain, Scientist, Division of Genetics, Indian Agricultural Research Institute (IARI), New Delhi – 110012

Dr. Gyanendra Pratap Singh, Senior Scientist, Division of Genetics, Indian Agricultural Research Institute, New Delhi-110012

Dr. Shivadhar, Senior Scientist, Division of Agronomy, Indian Agricultural Research Institute, New Delhi-110012

Dr. (Mrs) Praveen Chuneja, Geneticist, School of Agriculture Biotechnology, Panjab Agriculture University, Ludhiana – 141004

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Dr. N. S. Bains, Wheat Breeder, Department Plant Breeding and Genetics, Panjab Agriculture University, Ludhiana 141004

Dr. (Mrs) Balwinder Sadana, Nutritionist, Department Food and Nutrition, Panjab Agriculture University, Ludhiana 141004

Dr. Joginder Singh Manchanda, Soil Chemist, Department of Soils, Panjab Agriculture University, Ludhiana 141004

Dr. Harcharan Singh Dhaliwal, Distingushed Professor in Biotechnology, Akal School of Biotechnology, Eternal University, Baru Sahib -173101 (HP)

Dr. Anil Kumar , Associate Professor, Akal School of Biotechnology, Eternal University, Baru Sahib -173101 (HP)

Dr. Manoj Dinesh Oak, Scientist B, Genetics Group, Plant sciences Division, Agharkar Research Institute, GG Agharkar Road, Pune-411004

Dr. S. C. Misra, Scientist E, In charge Genetics Group, Genetics and Plant Breeding Group, Agharkar Research Institute, GG Agharkar Road, Pune-411004

Dr. Vaishali Agte, Consultant, Biometry and Nutrition Group, Agharkar Research Institute, GG Agharkar Road, Pune-411004

Dr. D. K. Verma, Senior Scientist, Indian Agricultural Research Institute, Regional Station, Indore-452001

Dr. A. N. Mishra, Principal Scientist and Head, Indian Agricultural Research Institute, Regional Station, Indore-452001

Dr. S. R. Kantwa, Scientist, Indian Agricultural Research Institute, Regional Station, Indore-452001

2.4 Objectives:

Overall objectives:

1. To map the high grain Fe and Zn genes of wild species and identify the DNA markers suitable for marker assisted selection.
2. To assess grain Fe and Zn concentrations of the introgression lines over multilocations, developed in Phase I.
3. To transfer high grain Fe and Zn protein genes from various sources to more elite tetraploid and hexaploid lines.
4. To assess the effect of exogenous applications of Zinc on accumulation of Zn in the grains.
5. To evaluate the bioavailability through
   (i) In vitro analyses (in collaboration with NIN, Hyderabad)
   (ii) Various processing treatments

IARI, New Delhi:

1. Identification and validation of QTLs for high grain zinc and/or iron in hexaploid wheat.
2. Develop high yielding bread wheat lines with high grain zinc and/or iron concentration through conventional and molecular aids.
3. Multilocational analysis of micronutrient rich lines to test heir stability/performance for yield and nutritional traits vis-à-vis soil characteristics.
4. Bioavailability studies on the micronutrient enriched lines (in association with NIN, Hyderabad).

PAU Ludhiana:

1. To confirm grain Fe and Zn concentrations of the introgression lines in replicated trials.
2. To see the effect of various micronutrients (Fe and Zn) levels, in soil, on accumulation of Fe and Zn in the grains.
3. To map the high grain Fe and Zn genes transferred from *T. Monococcum* and *T. dicoccoides* and identify the DNA markers suitable for marker-assisted selection.

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4. To initiate transfer of high grain Fe and Zn genes from tetraploid to elite hexaploid lines (genes transferred from *T. monococcum*) and from PBW 343 (transferred from T. dicoccoides) to other elite lines.
5. To evaluate the bioavailability of Fe and Zn from newly developed sources.
6. To standardize the processing methods/ treatments for improving micro nutrient availability.

Eternal University, BaruSahib:

1. Characterization and maintenance of wheat-alien transfers, substitution and addition lines carrying genes for high grain iron and zinc.
2. Induction of homoeologous pairing of alien chromosomes with their wheat homoeologues for small and compensating transfers.
3. Irradiation of seeds and pollen grains of alien introgression lines for small transfers.
4. Characterization of small transfers for carrying the genes for high grain micronutrient content.
5. Pyramiding of the alien chromosomal fragments carrying different genes for high grain iron and zinc in elite wheat lines.

GBPUA&T, Pantnagar:

1. Characterization and maintenance of wheat-alien transfers, substitution and addition lines carrying genes for high grain iron and zinc.
2. Characterization of small transfers for carrying the genes for high grain micronutrient content.

ARI, Pune:

1. Identification of QTLs associated with grain zinc and iron concentration and validation of reported QTLs.
2. Marker assisted mobilization of *GpcBI* of *T. dicoccoides* for higher grain micronutrient content.
3. Identification of low phytic acid mutants by screening the mutant population of PDW 233 and Study of phytase activity in the selected lines.

IARI, Regional Station, Indore:

Biofortification of durum wheat for high levels of yellow pigment (β-carotene) and micronutrients (Irons and Zinc).

2.5 Time Schedule:

The duration of the project is 5 Year 0 Month from the date of this sanction order.

2.6 Project Cost: The total cost of the project is **Rs. 57735800/-** (Rupees Five Crores Seventy Seven Lakhs Thirty Five Thousand and Eight Hundred Only) as per details given below:

Consolidated Budget for total project duration:

Head	IARI, New Delhi	PAU, Ludhiana	EU, BaruSahib	GBPUAT, Pantnagar	ARI, Pune	IARI, RS, Indore	Total
Non-recurring Equipment	68.49	5.40	43.00	16.00	22.80	10.80	166.49
Recurring Manpower	40.32	37.68	26.304	33.60	28.944	14.52	181.368
Consumables	36.00	50.00	30.00	17.00	25.00	7.50	165.50
Travel	2.50	5.00	5.00	1.50	2.50	2.50	19.00
Contingency	5.00	5.00	5.00	2.50	5.00	5.00	27.50
Overhead	5.00	5.00	0.00	5.00	0.00	2.50	17.50
Total	**157.31**	**108.08**	**109.304**	**75.60**	**84.244**	**42.82**	**577.358**

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Component 1: Indian Agriculture Research Institute, New Delhi

Head	I year	II Year	III Year	IV Year	V Year	Total
A. Non-recurring Equipment*	68.49	0.00	0.00	0.00	0.00	68.49
B. Recurring Manpower**	8.064	8.064	8.064	8.064	8.064	40.32
Consumables	4.00	8.00	8.00	8.00	8.00	36.00
Travel	0.50	0.50	0.50	0.50	0.50	2.50
Contingency	1.00	1.00	1.00	1.00	1.00	5.00
Overhead	1.00	1.00	1.00	1.00	1.00	5.00
Total	**83.054**	**18.564**	**18.564**	**18.564**	**18.564**	**157.31**

Component 2: Panjab Agriculture University, Ludhiana

Head	I year	II Year	III Year	IV Year	V Year	Total
A. Non-recurring Equipment*	5.40	0.00	0.00	0.00	0.00	5.40
B. Recurring Manpower**	7.536	7.536	7.536	7.536	7.536	37.68
Consumables	10.00	10.00	10.00	10.00	10.00	50.00
Travel	1.00	1.00	1.00	1.00	1.00	5.00
Contingency	1.00	1.00	1.00	1.00	1.00	5.00
Overhead	1.00	1.00	1.00	1.00	1.00	5.00
Total	**25.936**	**20.536**	**20.536**	**20.536**	**20.536**	**108.08**

Component 3: Eternal University, Baru Sahib

Head	I year	II Year	III Year	IV Year	V Year	Total
A. Non-recurring Equipment*	43.00	0.00	0.00	0.00	0.00	43.00
B. Recurring Manpower**	4.944	4.944	5.472	5.472	5.472	26.304
Consumables	6.00	6.00	6.00	6.00	6.00	30.00
Travel	1.00	1.00	1.00	1.00	1.00	5.00
Contingency	1.00	1.00	1.00	1.00	1.00	5.00
Total	**55.944**	**12.944**	**13.472**	**13.472**	**13.472**	**109.304**

Component 4: G B Pant University of Agriculture and Technology, Pantnagar

Head	I year	II Year	III Year	IV Year	V Year	Total
A. Non-recurring Equipment*	16.00	0.00	0.00	0.00	0.00	16.00
B. Recurring Manpower**	6.72	6.72	6.72	6.72	6.72	33.60
Consumables	8.00	4.00	2.00	2.00	1.00	17.00
Travel	0.30	0.30	0.30	0.30	0.30	1.50
Contingency	0.50	0.50	0.50	0.50	0.50	2.50
Overhead	1.00	1.00	1.00	1.00	1.00	5.00
Total	**32.52**	**12.52**	**10.52**	**10.52**	**9.52**	**75.60**

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Component 5: Agharkar Research Institute, Pune

Head	I year	II Year	III Year	IV Year	V Year	Total
A. Non-recurring Equipment*	22.80	0.00	0.00	0.00	0.00	22.80
B. Recurring Manpower**	5.616	5.616	5.904	5.904	5.904	28.944
Consumables	5.00	5.00	5.00	5.00	5.00	25.00
Travel	0.50	0.50	0.50	0.50	0.50	2.50
Contingency	1.00	1.00	1.00	1.00	1.00	5.00
Total	**34.916**	**12.116**	**12.404**	**12.404**	**12.404**	**84.244**

Component 6: Indian Agriculture Research Institute, Regional Station, Indore

Head	I year	II Year	III Year	IV Year	V Year	Total
A. Non-recurring Equipment*	10.80	0.00	0.00	0.00	0.00	10.80
B. Recurring Manpower**	2.904	2.904	2.904	2.904	2.904	14.52
Consumables	1.50	1.50	1.50	1.50	1.50	7.50
Travel	0.50	0.50	0.50	0.50	0.50	2.50
Contingency	1.00	1.00	1.00	1.00	1.00	5.00
Overhead	0.50	0.50	0.50	0.50	0.50	2.50
Total	**17.204**	**6.404**	**6.404**	**6.404**	**6.404**	**42.82**

2.7 Equipment:

The details of the equipment sanctioned for the implementation of the project at **Annexure-I**

2.8 Manpower:

The details of the manpower sanctioned for the implementation of the project at **Annexure-II**

3. Head of Account:

The **Non-Recurring** expenditure involved is debitable to:

Demand No. 87	Department of Biotechnology
3425	Other Scientific Research 2011-2012
3425.60	Others
3425.60.200	Assistance to other Scientific Bodies
3425.60.200.29	Research & Development
3425.60.200.29.01	Agriculture Biotechnology
3425.60.200.29.01.35	Grants for creation of capital assets

The **Recurring** expenditure involved is debitable to:

Demand No. 87	Department of Biotechnology
3425	Other Scientific Research 2011-2012
3425.60	Others
3425.60.200	Assistance to other Scientific Bodies
3425.60.200.29	Research & Development
3425.60.200.29.01	Agriculture Biotechnology
3425.60.200.29.01.31	Grants in Aid General

4. Terms & Conditions:

4.1 The other terms and conditions governing this sanction are attached at Annexure- III.

4.2 A Memorandum of Agreement (MoA) will be signed between the Department of Biotechnology and the grantee institution on Non-Judicial stamp paper Rs. 100/- in the

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enclosed format and the second release/installment will be made only after signing of MoA by the grantee institutions and its acceptance by DBT. In case of NGO or Private Institution, MOA signed is mandatory before first release. A format of the MoA is enclosed in Annexure-IV

4.3 Considering the time bound nature of the project, the project will be monitored by the Task Force / Committee constituted by DBT. In addition, the PI will submit half yearly progress report as per format in Annexure-V.

4.4 In the event of the grantee failing to comply with the conditions or committing breach of the conditions of the bond, the signatories to the bond shall be jointly and severally liable to refund to the President of India, the whole or a part amount of the grant with interest at ten per cent per annum thereon or the sum specified under the bond. The stamp duty for this bond shall be borne by the Government.

4.5 The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilization Certificate and Statement of Expenditure. The Interest so earned will be treated as created to the institute/Agency and shall be adjusted towards further installment of the grant and or at the time of Final Settlement of Accounts.

5.0 No International travel will be undertaken from the sanctioned project grant.

6.0 The Director, Indian Agricultural Research Institute, New Delhi; The Comptroller Punjab Agriculture University, Ludhiana; The Registrar, Eternal University, Baru Sahib; The Registrar, G B Pant University of Agriculture and Technology, Pantnagar; The Director, Indian Agriculture Research Institute, Regional Station, Indore; The Director, Agharkar Research Institute, Agharkar Road, Pune would be responsible for submission of Statements of Expenditure (S/E) and consolidated utilization certificates (U/Cs) to DBT in respect of grants released against this sanction order from time to time.

7.0 The accounts of grantee institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so by the sanctioning authority.

8.0 This issues under the power delegated to this Department and with the concurrence of IFD vide their SAN No.**102/IFD/SAN/5170/2011-2012** dated 21.03.2012

9.0 This sanction order has been noted at serial no. 119 in the Register of Grants

Dr. Onkar N Tiwari
(Scientist 'C')

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Date:

To,

The Pay & Accounts Officer,
Department of Biotechnology,
New Delhi – 110 003

Copy to:

1. The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002
2. Sanction Folder
3. Dr. Anju Mahendru Singh, Senior Scientist, Division of Genetics, Indian Agricultural Research Institute, New Delhi-110012
4. The Director, Indian Agriculture Research Institute, New Delhi-110012
5. Dr. Kuldeep Singh, Professor (Molecular Genetics), School of Agriculture Biotechnology, Panjab Agriculture University, Ludhiana – 141004
6. The Comptroller Punjab Agriculture University, Ludhiana-141 004.
7. Dr. Vishan Chugh, Assistant Professor, Akal School of Biotechnology, Eternal University, Baru Sahib -173101 (HP).
8. The Registrar, Eternal University, Baru Sahib -173101 (HP).
9. Dr. Sundip Kumar, Associate Professor, Molecular Biology & Genetic Engineering, G B Pant University of Agriculture and Technology, Pantnagar-263145 (Uttarakhand).
10. The Registrar, G B Pant University of Agriculture and Technology, Pantnagar-263145 (Uttarakhand).
11. Dr. S. V. Sai Prasad, Senior Scientist, Indian Agricultural Research Institute, Regional Station, Indore-452001
12. The Director, Indian Agriculture Research Institute, Regional Station, Indore -452 001
13. Dr. Shubhada A. Tamankar, Scientist E, Genetics and Plant Breeding Group, Agharkar Research Institute, GG Agharkar Road, Pune-411004
14. The Director, Agharkar Research Institute, Agharkar Road, Pune -411004.
15. Cash Section (2 copies)
16. Sanction folder
17. File copy

Dr. Onkar N Tiwari
(Scientist 'C')

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Annexure -I

Details of the Equipment sanctioned for the implementation of the project entitled "**Biofortification of wheat for micronutrients through conventional and molecular approaches-Phase II**"

Indian Agriculture Research Institute, New Delhi		
S. No.	**Name of Equipment**	**Cost(Rs.)**
1.	Fume -hood	7.00
2.	Auto sampler (for AAS)	7.50
3.	Autoclave (Imported)	2.99
4.	Digestor (72 samples)	3.50
5.	X-Ray Fluorescence spectrometer including UPS, Computer/laptop	44.00
6.	Hydraulic press 40 Tons (Imported)	3.50
	Total	**68.49**

Panjab Agriculture University, Ludhiana		
S. No.	**Name of Equipment**	**Cost(Rs.)**
1.	Spectrophotometer	3.40
2.	Minor equipment costing less then Rs. 1 lakhs	2.00
	Total	**5.40**

Eternal University, Baru Sahib		
S. No.	**Name of Equipment**	**Cost(Rs.)**
1.	Microwave digester (Imported)	10.00
2.	Atomic absorption Spectrophometer	25.00
3.	Metal Free Grinder	6.00
4.	Miscellaneous item less than Rs. 0.50 lakhs	2.00
	Total	**43.00**

G B Pant University of Agriculture and Technology, Pantnagar		
S. No.	**Name of Equipment**	**Cost(Rs.)**
1.	Phase contrast microscope with camera and interface system	4.60
2.	Light microscope (three)	1.00
3.	Thermal cycler for high throughput (diode or triod type of system)	8.00
4.	One Maxi Electrophoresis unit (horizontal) with power pack	0.90
5.	Miscellaneous item (small equipment, repair maintenance etc.)	1.50
	Total	**16.00**

Agharkar Research Institute, Pune		
S. No.	**Name of Equipment**	**Cost(Rs.)**
1.	Microplate/ELISA reader with computer	6.90
2.	Microwave digester system	10.00
3.	Color Reader (Chromameter) Konica Minolta CR-410	4.50
4.	Fine balance	0.80
5.	-20 C Deep Freezer and Refrigerator	0.60
	Total	**22.80**

Indian Agriculture Research Institute, Regional Station, Indore		
S. No.	**Name of Equipment**	**Cost(Rs.)**
1.	Colorimeter	3.80
2.	Water Purification system	3.00
3.	Centrifuge (refrigerated)	3.00
4.	Miscellaneous equipments (Calibrated burette etc.)	1.00
	Total	**10.80**

Dr. Onkar N Tiwari
(Scientist 'C')

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Annexure -II

Details of the manpower sanctioned for the implementation of the project entitled **"Biofortification of wheat for micronutrients through conventional and molecular approaches-Phase II"**

Indian Agriculture Research Institute, New Delhi								
S. No.	**Name of Position**	**No. of Position**	**I year**	**II Year**	**III Year**	**IV Year**	**V Year**	**Total**
1.	Research Associate-I @ 22000/- + 30% HRA	2	6.864	6.864	6.864	6.864	6.864	34.32
2.	Field Asst/Lab Asstt @ 10000/- fixed	1	1.20	1.20	1.20	1.20	1.20	6.00
	Total		**8.064**	**8.064**	**8.064**	**8.064**	**8.064**	**40.32**

Panjab Agriculture University, Ludhiana								
S. No.	**Name of Position**	**No. of Position**	**I year**	**II Year**	**III Year**	**IV Year**	**V Year**	**Total**
1.	Research Associate-I @ 22000/- + 20 % HRA	2	6.336	6.336	6.336	6.336	6.336	**31.68**
2.	Field Asst/Lab Asstt @ 10000/- fixed	1	1.20	1.20	1.20	1.20	1.20	**6.00**
Total			**7.536**	**7.536**	**7.536**	**7.536**	**7.536**	**37.68**

Eternal University, Baru Sahib								
S. No.	**Name of Position**	**No. of Position**	**I year**	**II Year**	**III Year**	**IV Year**	**V Year**	**Total**
1.	Junior Research fellow @ 16000/- + 10 % HRA for first two year and Rs. 18000/- + 10% HRA for subsequent year	2	4.224	4.224	4.752	4.752	4.752	22.704
2.	Field Asst/Lab Asstt @ 6000/- fixed	1	0.72	0.72	0.72	0.72	0.72	3.60
	Total		**4.944**	**4.944**	**5.472**	**5.472**	**5.472**	**26.304**

G B Pant University of Agriculture and Technology, Pantnagar								
S. No.	**Name of Position**	**No. of Position**	**I year**	**II Year**	**III Year**	**IV Year**	**V Year**	**Total**
1.	Senior Research fellow @ 18000/- + 10 % HRA	1	2.736	2.736	2.736	2.736	2.736	13.68
2.	Research Associate-I @ 22000/- + 10 % HRA	1	2.904	2.904	2.904	2.904	2.904	14.52
3.	Lab Attendant @ 9000/- fixed	1	1.08	1.08	1.08	1.08	1.08	5.40
Total			**6.72**	**6.72**	**6.72**	**6.72**	**6.72**	**33.60**

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Agharkar Research Institute, Pune								
S. No.	**Name of Position**	**No. of Position**	**I year**	**II Year**	**III Year**	**IV Year**	**V Year**	**Total**
1.	Junior Research fellow @ 16000/- + 20 % HRA for first two year and Rs. 18000/- + 20% HRA for subsequent year	1	2.304	2.304	2.592	2.592	2.592	12.384
2.	Senior Research fellow @ 18000/- + 20 % HRA	1	2.592	2.592	2.592	2.592	2.592	12.96
3.	Field Assistants @ 6000/- PM fixed	1	0.72	0.72	0.72	0.72	0.72	3.60
		Total	**5.616**	**5.616**	**5.904**	**5.904**	**5.904**	**28.944**

Indian Agriculture Research Institute, Regional Station, Indore								
S. No.	**Name of Position**	**No. of Position**	**I year**	**II Year**	**III Year**	**IV Year**	**V Year**	**Total**
1.	Research Associate-I @ 22000/- + 10 % HRA	1	2.904	2.904	2.904	2.904	2.904	14.52

Revised emoluments shall be payable only if educational qualification or eligibility criteria as per DST OM No. A.20020/11/97-IFD dated 31.03.2010, are met by the research personnel.

Dr. Onkar N Tiwari
(Scientist 'C')

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BY- SPEED- POST

F.NO. 5-11/2011-HRD

भारत सरकार
Government of India
खाद्य प्रसंस्करण उद्योग मंत्रालय
Ministry of Food Processing Industries
पंचशील भवन, अगस्त क्रांती मार्ग
Panchsheel Bhavan, August Kranti Marg
नई दिल्ली New Delhi – 110 049

To,
The Vice Chancellor,
Eternal University,
V.P.O.- Baru Sahib, Via- Rajgarh
Dist. Sirmour,
Himachal Pradesh -173 101

Date: 15.10.2014

Subject:- Proposal for Financial Assistance under HRD Scheme for creation of Infrastructure facilities for M.Sc (Food Technology) Course.

Sir,

I am directed to refer to the aforesaid proposal and convey the "in-principle" approval for grant-in-aid of Rs. 75,00,000/= (Rupees Seventy Five Lakhs Only) for creation of infrastructure facilities for M.Sc (Food Technology) course under HRD scheme. The release of grant will be subject to fulfillment of following standard conditions / guidelines and availability of funds and also the following conditions:

(A). The grant will be released in two equal installments for the purchase of Machineries/ equipments as per the approved list as enclosed.

(B). The first installment will be released on receipt of confirmations to compliance of following conditions:

(i) Surety bond on Rs. 100/- stamp paper duly notorized in the enclosed format for Rs. 75,00,000/=.

(ii) Confirmation that recurring expenditure will be borne by the Institute/ University and balance equipments or cost difference in approved equipments, if any, in the project shall be borne from the Institute/ University's own funds.

(iii) Confirmation on availability of funds to meet the Institutes/ University's contribution as indicated in the means of finance.

(iv) An undertaking on a non judicial stamp paper of Rs. 10/-, duly notarized, confirming that the university will run the course for a minimum period of ten years.

(v) Information for fund transfer in enclosed Mandate form.

(vi) Confirmation that the university shall appoint at least two faculties with qualification of food technology for the proposed course before release of the second installment.

(vii) The equipments shall be purchased by following due tender procedure.

(viii) The university will prominently display on stone on the building that the project is assisted by Ministry of Food Processing Industries, Govt. of India, New Delhi.

(ix) Submission of half yearly progress report in the enclosed format.

(C). Before release of 2nd instalment of grants-in-aid:

(i) The eligible amount of grants-in-aid will be recalculated based on proposed or actual cost, whichever is less, of eligible items approved by PAC.

Seen By	
The V.C.	
Registrar	

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(ii) University will submit Utilisation Certificate (UC) for 1st installment of grant in the prescribed format. CA certificate in prescribed format for actual expenditure on the project.

(iii) Confirmation from the college that the plant & machinery / lab equipments purchased out of 1st installment have been installed and started functioning.

(iv) Inspection of the facilities created by the University/ Institute and equipments purchased out of the first installment of grant will be carried out by the Ministry.

(D) As per the procedure laid down by Govt. of India, the grant will be released through "Central Plan Scheme Monitoring System" (CPSMS) of Controller General of Accounts (CGA). You are requested to register your organization with CGA to enable the Ministry to release the grant. You can directly fill-up the details at the link http://164.100.12.147/CPSMS/Login.aspx# or alternatively follow the following procedure for registration-

Open CGA website at www.cga.nic.in

↳ Central Plan Monitoring scheme.
↳ Agency: Register
↳ Fill up the Agency details & Bank Details.
↳ Select "Scheme for Human Resource Development FPI Code- 0390"

After filling up the details, a copy of the Printout of Agency Registration may be sent to the Ministry for release for the grant. In case of any difficulty in registration, you may contact the undersigned.

You are requested to confirm the above conditions and necessary information / documents may be submitted immediately by Speed Post/ Courier for release of 1st installment.

Yours faithfully,

15/10

(Dr. Jitendra P Dongare)
(डॉ .जितेंद्र पी डोंगरे)
Marketing Officer
Ph. No. 011-26406554
Email: jp.dongre@nic.in

Scanned by CamScanner

State Council for Science, Technology & Environment (SCSTE), H.P.
B-34, SDA Complex, Kasumpti, Shimla – 171009
Phone: 0177-2620998,2621992 Fax: 0177-2620998
Website: www.hpscste.gov.in & Email: stc-hp@nic.in

SCSTE/F(8)-1/2016-Vol.-I 5514 Dated: 18-10-2016

SANCTION ORDER

Subject: Financial Sanction of the research project titled "Cloud based digital resource center (DRC)-for remote rural area"-Reg.

Principal Investigator (PI):

Dr. Pardeep Singh Cheema
Professor
Akal College of Engineering & Technology, Eternal University,
Baru Sahib, Distt. Sirmour-173101

Sanction of the State Council for Science, Technology & Environment (SCSTE) is hereby accorded to the above mentioned project at a total cost of Rs.8,61,000/- Rupees eight lakh sixty one thousand only) for a duration of two years from the date of sanction. The items of expenditure for which the total allocation of Rs. 8,61,000/- has been approved for a period of two years, are given below:

S.No.	Head	Total (in Rs.)
1.	Remuneration (Rs.) Project Associate – 1 No. @Rs.8000/-PM	1,92,000/-
2.	Consumables	1,29,000/-
3.	Travel	1,20,000/-
4.	Other Costs	4,20,000/-
	Total Cost	8,61,000/-

NOTE:

(a) If the Institute/ Organisation or/and Principal Investigator(PI) agrees to execute the project as per the budget mentioned above and according to terms and conditions stated below, kindly send three (3) copies of the final project proposal duly filled up; signed & stamped and approved by the Head of the Institution/ organisation to the SCSTE within 15 days from today positively

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(b) You are also requested to send Bank Account Details, IFSC/RTGS Code & emails of Head of the institution or the DDO/Accounts Officer and of Principal Investigator through details as provided below wherever the grant is to be transferred:-

Particulars	Head of the Institution	DDO/Account Officer	Principal Investigator (PI)
Account Name			
Account Number			
Bank Name & Branch			
IFSC/RTGS Code			

(c) Scheduled Caste Areas:

(i) Research & Development Project would be implemented in Scheduled Caste concentration areas which should wholly or partially benefit the SC families.

(ii) Either the villages having 40% or more SC population or villages having 90 SC persons or more are to be selected. Identification of most appropriate villages have to be carved out of the latest Census data (2011-CENSUS by Directorate of SCs/OBCs & Minority Affairs, H.P.) published District/ Tehsil wise.

The grants will be regulated in accordance with the provisions contained in the guidelines, terms & conditions for 'HP Specific Research & Development Projects 2016-17" and other related instructions of the SCSTE. The Grant is also subject to the HP General Financial Rules, as amended from time to time and in particular to the following conditions after sanctioning of the project as under:

Terms & Conditions of the Grant

1. The expenditure involved is debitable to
   Fund for 'HP Specific Research & Development Projects 2016-17'
   This release is being made under the specific category:
   (a) SCSP Scheme
2. The Sanction has been issued with the approval of the competent authority under delegated powers and vide diary no. SCSTE/F(8)-1/2016-Vol.-I/5514 dated: 10.11.17 for a total cost of Rs 8,61,000/-.

Scanned by CamScanner

3. Sanction of the grant is subject to the conditions as contained in the Guidelines & Terms & Conditions as available at website (www.hpscste.gov.in) and also stated in this Sanction Order.
4. The amount of Rs. 8,61,000/- will be drawn by the Assistant Controller/AC(F&A) of the SCSTE and will be disbursed by means of RTGS transaction as per the Bank details to be provided by the Principal Investigator in two equal instalments subject to certain conditions.
5. While providing operational flexibility among various subheads, it should be ensured that not more than the approved specified amount sub head/ itemwise should be spent at any time.
6. The entire project cost will be funded by SCSTE, Shimla and the funds for execution of the project will be released in TWO equal instalments. 50% advance payment after allotment of project and providing of revised proposals, bank account details etc. and the remaining 50% after submission of Utilization Certificate for the first instalment and project deliverables and based on progress of the work to be reviewed by the Project Evaluation Committee(PEC).
7. The money would not be diverted for any other purpose under any circumstance; even for temporary periods.
8. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SCSTE Shimla will have no liability to meet the budget etc. beyond the duration of the project.
9. Payment towards wages/remuneration as well as other contractual obligations shall be made through bank accounts of recipients and strictly as per Govt. norms; notifications etc.
10. The Institute/Organisation should submit evidence of deposit of TDS/Service Tax and copy of PF and ESI contributions of employees in case of contract payments and CST in case of purchase of leviable goods.
11. The accounts of the project shall be open to inspection by sanctioning authority/ audit whenever the institute/organisation is called upon to do so.
12. The institute/organisation will furnish to the SCSTE, Shimla , Utilization Certificate and an audited statement of accounts pertaining to the grant immediately after the end of one year/ after mid/half of the project duration but not later than 30th October,2017 and for 2nd instalment before 30th October 2018.
13. The institute/organisation will maintain separate audited accounts for the project. It is expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SCSTE, Shimla. The interest thus earned will be treated as a credit to the institute to be adjusted towards further instalment of the grant.
14. As this is the first grant being released for the project, no previous UC is required.
15. The Institute/organisation is advised to adopt research ethics and corruption mitigation strategies while utilizing the funds.

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16. The expenditure should not exceed beyond the approved allocation of funds under any circumstances.

17. The financial support provided by SCSTE, Shimla should be duly acknowledged at all the forums, publications and proceedings whenever the research project is published or presented. The PI will place and highlight the role of SCSTE in each major activity/ programme (Logo, Pamphlets, Equipments in laboratories, Display in Field work etc.) under this project besides mentioning the grants received by SCSTE, Shimla.

18. Assets acquired wholly or substantially through grants shall not be disposed off without obtaining prior approval of State Council

19. Periodic review and inspection of the project will be done by SCSTE team and PI should intimate the Council beforehand about their important milestones activities proposed especially the field activities viz. trainings, site visit etc. in advance. In addition, the SCSTE may designate Scientist/Specialist or an expert panel to visit the institute/organisation periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. During the implementation of the project the institute will provide all facilities to the visiting Scientist/specialist or the expert panel by way of travel, accommodation etc. at the time of their visit.

20. Patents, trademarks, copyrights etc. of any nature should acknowledge financial approval of SCSTE. Technology; equipment; protocols; or innovations tool developed; if any would be in joint ownership of SCSTE Shimla and the PI or/and the institute/organisation.

21. Commercialisation of technology OR transfer of technology or process of production would be done in association with/under intimation to and after obtaining prior approval of SCSTE Shimla.

22. The SCST&E reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly utilised or appropriate progress is not being made.

23. If the PI to whom a grant for a project has been sanctioned wishes to leave the institution where the project is based, the Institute/ PI will inform the same to the SCST&E and the CO-PI will ensure successful completion of the project, before relieving the PI.

24. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register in the prescribed format shall be maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant, and (b) movable property of capital nature where the

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value exceeds Rs 10,000/-. The Institute is required to send to the SCST&E a list of assets acquired from the grant. The grant shall not be utilised for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.

25. Any un-spent balance out of the amount sanctioned must be surrendered to the SCSTE through a crossed Cheque/ Demand Draft drawn in favour of Drawing & Disbursing Officer, SCST&E.

Kunal Satyarthi, IFS
Joint Member Secretary
SCSTE, Shimla

Copy forwarded for information and necessary action to:

1. Head of the organisation/institute.
2. Principal Investigator
3. ACF(F&A) SCSTE, Shimla.
4. Accounts Sanction, SCSTE.
5. R&D Section.

Kunal Satyarthi, IFS
Joint Member Secretary
SCSTE, Shimla

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State Council for Science, Technology & Environment (SCSTE), H.P.
S-64, SDA Complex, Kasumpti, Shimla – 171009
Phone: 0177-2620880, 2621044, Fax: 0177-2620881
Website: www.hpscste.gov.in & Email: sc-hp@nic.in

SCSTE/RS-L/2016-Vol.I 5534 Dated: 18-10-2016

SANCTION ORDER

Subject: Financial Sanction of the research project titled "Design of low cost solar water heating system using flat plate collector for remote area application" -Reg.

Principal Investigator (PI):

Dr. Rohit Jyoti Konwar
Assistant Professor
Department of Renewable Energy, Eternal University,
Baru Sahib, Sirmour-173101

Sanction of the State Council for Science, Technology & Environment (SCSTE) is hereby accorded to the above mentioned project at a total cost of **Rs. 8,50,000/-** (Rupees eight lakh & fifty thousand only) for a duration of **two** years from the date of sanction. The items of expenditure for which the total allocation of **Rs. 8,50,000/-** has been approved for a period of **two** years, are given below:

S.No.	Head	Total (In Rs.)
1.	Remuneration (Rs.) Project Associate – 1 No. @Rs.15000/- PM	3,60.000/-
2.	Consumables	3,60,000/-
3.	Travel	50,000/-
4.	Other Costs	80,000/-
	Total Cost	**8,50,000/-**

NOTE:

(a) If the Institute/ Organisation or/and Principal Investigator(PI) agrees to execute the project as per the budget mentioned above and according to terms and conditions stated below, kindly send three (3) copies of the final project proposal duly filled up; signed & stamped and approved by the Head of the Institution/ organisation to the SCSTE within **15 days** from today positively.

Received
28/10/16

Dr. Konwar

Vice Chancellor
Eternal University
Baru Sahib (H.P.) 173101

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(b) You are also requested to send Bank Account Details, IFSC/RTGS Code & emails of Head of the institution or the DDO/Accounts Officer and of Principal Investigator through details as provided below wherever the grant is to be transferred:-

Particulars	Head of the Institution	DDO/Account Officer	Principal Investigator (PI)
Account Name			
Account Number			
Bank Name & Branch			
IFSC/RTGS Code			

(c) **Scheduled Caste Areas:**

(i) Research & Development Project would be implemented in Scheduled Caste concentration areas which should wholly or partially benefit the SC families.

(ii) Either the villages having 40% or more SC population or villages having 90 SC persons or more are to be selected. Identification of most appropriate villages have to be carved out of the latest Census data (2011-CENSUS by Directorate of SCs/OBCs & Minority Affairs, H.P.) published District/ Tehsil wise.

The grant will be regulated in accordance with the provisions contained in the guidelines, terms & conditions for **'HP Specific Research & Development Projects 2016-17"** and other related instructions of the SCSTE. The Grant is also subject to the HP General Financial Rules, as amended from time to time and in particular to the following conditions after sanctioning of the project as under:

Terms & Conditions of the Grant

1. The expenditure involved is debitable to
   Fund for 'HP Specific Research & Development Projects 2016-17'
   This release is being made under the specific category:
   (a) SCSP Scheme
2. The Sanction has been issued with the approval of the competent authority under delegated powers and vide diary no. SCSTE/F(8)-1/2016-Vol.-I 5511 dated 18.10.16 for a total cost of Rs. **8,50,000/-**.

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16. The expenditure should not exceed beyond the approved allocation of funds under any circumstances.

17. The financial support provided by SCSTE, Shimla should be duly acknowledged at all the forums, publications and proceedings whenever the research project is published or presented. The PI will place and highlight the role of SCSTE in each major activity/ programme (Logo, Pamphlets, Equipments in laboratories, Display in Field work etc.) under this project besides mentioning the grants received by SCSTE, Shimla.

18. Assets acquired wholly or substantially through grants shall not be disposed off without obtaining prior approval of State Council.

19. Periodic review and inspection of the project will be done by SCSTE team and PI should intimate the Council beforehand about their important milestones activities proposed especially the field activities viz. trainings, site visit etc. in advance. In addition, the SCSTE may designate Scientist/Specialist or an expert panel to visit the institute/organisation periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. During the implementation of the project the institute will provide all facilities to the visiting Scientist/specialist or the expert panel by way of travel, accommodation etc. at the time of their visit.

20. Patents, trademarks, copyrights etc. of any nature should acknowledge financial approval of SCSTE. Technology; equipment; protocols; or innovations tool developed; if any would be in joint ownership of SCSTE Shimla and the PI or/and the institute/organisation.

21. Commercialisation of technology OR transfer of technology or process of production would be done in association with/under intimation to and after obtaining prior approval of SCSTE Shimla.

22. The SCST&E reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly utilised or appropriate progress is not being made.

23. If the PI to whom a grant for a project has been sanctioned wishes to leave the Institution where the project is based, the Institute/ PI will inform the same to the SCST&E and the CO-PI will ensure successful completion of the project, before relieving the PI.

24. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register in the prescribed format shall be maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant; and (b) movable property of capital nature where the

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3. Sanction of the grant is subject to the conditions as contained in the Guidelines & Terms & Conditions as available at website (www.hpscste.gov.in) and also stated in this Sanction Order.
4. The amount of Rs.**8,50,000/-** will be drawn by the Assistant Controller/AC(F&A) of the SCSTE and will be disbursed by means of RTGS transaction as per the Bank details to be provided by the Principal Investigator in two equal instalments subject to certain conditions.
5. While providing operational flexibility among various subheads, it should be ensured that not more than the approved specified amount sub head/ itemwise should be spent at any time.
6. The entire project cost will be funded by SCSTE, Shimla and the funds for execution of the project will be released in TWO equal instalments. 50% advance payment after allotment of project and providing of revised proposals, bank account details etc. and the remaining 50% after submission of Utilization Certificate for the first instalment and project deliverables and based on progress of the work to be reviewed by the Project Evaluation Committee(PEC).
7. The money would not be diverted for any other purpose under any circumstance; even for temporary periods.
8. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SCSTE Shimla will have no liability to meet the budget etc. beyond the duration of the project.
9. Payment towards wages/remuneration as well as other contractual obligations shall be made through bank accounts of recipients and strictly as per Govt. norms; notifications etc.
10. The Institute/Organisation should submit evidence of deposit of TDS/Service Tax and copy of PF and ESI contributions of employees in case of contract payments and CST in case of purchase of leviable goods.
11. The accounts of the project shall be open to inspection by sanctioning authority/ audit whenever the institute/organisation is called upon to do so.
12. The institute/organisation will furnish to the SCSTE, Shimla , Utilization Certificate and an audited statement of accounts pertaining to the grant immediately after the end of one year/ after mid/half of the project duration but not later than 30th October,2017 and for 2nd instalment before 30th October 2018.
13. The institute/organisation will maintain separate audited accounts for the project. It is expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SCSTE, Shimla . The interest thus earned will be treated as a credit to the institute to be adjusted towards further instalment of the grant.
14. As this is the first grant being released for the project, no previous UC is required.
15. The Institute/organisation is advised to adopt research ethics and corruption mitigation strategies while utilizing the funds.

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value exceeds Rs 10,000/-. The Institute is required to send to the SCST&E a list of assets acquired from the grant. The grant shall not be utilised for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.

25. Any un-spent balance out of the amount sanctioned must be surrendered to the SCSTE through a crossed Cheque/ Demand Draft drawn in favour of Drawing & Disbursing Officer, SCST&E.

Kunal Satyarthi, IFS
Joint Member Secretary
SCSTE, Shimla

Copy forwarded for information and necessary action to:

1. Head of the organisation/institute.
2. Principal Investigator
3. ACF(F&A) SCSTE, Shimla.
4. Accounts Sanction, SCSTE.
5. R&D Section.

Kunal Satyarthi, IFS 18/10/11
Joint Member Secretary
SCSTE, Shimla

Scanned by CamScanner

By Regd. Post

State Council for Science, Technology & Environment (SCSTE), H.P.
B-34, SDA Complex, Kasumpti, Shimla – 171009
Phone: 0177-2620998,2621992 Fax: 0177-2620998
Website: www.hpscste.gov.in & Email: stc-hp@nic.in

SCSTE/F(8)-1/2016-Vol.-I Dated:-

To

Dr. P.S. Cheema,
Professor,
Akal College of Engineering & Technology,
Eternal University, Baru Sahib-173101

Sub: Sanction Order for HP Specific Research & Development Projects 2016-17

Sir,

Please find enclosed the Sanction Order for the project proposal *"Linear Fresnel Reflector(LFR) concentrator based solar water purification system"* submitted to SCSTE, Shimla. The grant will be released from funds received from Department of Science & Technology, New Delhi, Govt. of India through Project Related Grant (PRG).

Please send your consent immediately. Kindly acknowledge the receipt through email at aparnansarin@yahoo.com and kaulmanoj7@yahoo.com

Thanking you,

Yours sincerely,

Kunal Satyarthi, IFS
Joint Member Secretary
SCSTE, Shimla (H.P)

Endst No. As above 9805 **Dated:** 4-3-17

Copy to: Vice Chancellor, Eternal University, Baru Sahib-173101 for information please.

Kunal Satyarthi, IFS 4/3/17
Joint Member Secretary
SCSTE, Shimla (H.P)

R-70
dt 11/3/17

Dr. Cheema to get the work on the project initiated within the ongoing financial year.

11/3/2017

Copy Given to A/c Branch

Scanned by CamScanner

State Council for Science, Technology & Environment (SCSTE), H.P.
B-34, SDA Complex, Kasumpti, Shimla – 171009
Phone: 0177-2620998,2621992 Fax: 0177-2620998
Website: www.hpscste.gov.in & Email: stc-hp@nic.in

SCSTE/F(8)-1/2016-Vol.-I – 9305 Dated: - 4/3/17

SANCTION ORDER

Subject: **Financial Sanction of the research project titled "Linear Fresnel Reflector(LFR) concentrator based solar water purification system "-Reg.**

Principal Investigator (PI):

Dr. P.S.Cheema
Professor
Akal College of Engineering & Technology
Eternal University, Baru Sahib-173101

Sanction of the **State Council for Science, Technology & Environment (SCSTE)** is hereby accorded to the above mentioned project at a total cost of **Rs.7,90,000/-** (Rupees seven lakh & ninety thousand only) for a duration of **two** years from the date of sanction. The items of expenditure for which the total allocation of **Rs.7,90,000/-** has been approved for a period of **two** years, are given below:

S.No.	Head	Total (in Rs.)
1.	**Remuneration (Rs.)** **Sr. Assistant – 1 No. @Rs.10,000/- PM** **Assistant – 1No.@ Rs.5000/-PM**	3,60,000/-
2.	**Consumables**	4,00,000/-
3.	**Travel**	20,000/-
4.	**Other Costs**	10,000/-
	Total Cost	**7,90,000/-**

NOTE:

(a) If the **Institute/ Organisation or/and Principal Investigator(PI)** agrees to execute the project as per the budget mentioned above and according to terms and conditions stated below, kindly send three (3) copies of the final project proposal duly filled up; signed & stamped and approved by the Head of the Institution/ organisation to the SCSTE within **15 days** from today positively.

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(b) You are also requested to send Bank Account Details, IFSC/RTGS Code & emails of Head of the institution or the DDO/Accounts Officer and of Principal Investigator through details as provided below wherever the grant is to be transferred:-

Particulars	Head of the Institution	DDO/Account Officer	Principal Investigator (PI)
Account Name			
Account Number			
Bank Name & Branch			
IFSC/RTGS Code			

The grant will be regulated in accordance with the provisions contained in the guidelines, terms & conditions for "**HP Specific Research & Development Projects 2016-17**" and other related instructions of the SCSTE. The Grant is also subject to the HP General Financial Rules, as amended from time to time and in particular to the following conditions after sanctioning of the project as under:

Terms & Conditions of the Grant

1. The expenditure involved is debitable to
   Fund for 'HP Specific Research & Development Projects 2016-17'
   This release is being made under the specific category:
   (a) General Plan Scheme
2. The Sanction has been issued with the approval of the competent authority under delegated powers and vide diary no. SCSTE/F(8)-1/2016-Vol.-I 9305 dated 4.3.17 for a total cost of **Rs.7,90,000/-**.
3. Sanction of the grant is subject to the conditions as contained in the Guidelines & Terms & Conditions as available at website (www.hpscste.gov.in) and also stated in this Sanction Order.
4. The amount of **Rs.7,90,000/-** will be drawn by the Assistant Controller/AC(F&A) of the SCSTE and will be disbursed by means of RTGS transaction as per the Bank details to be provided by the Principal Investigator in two equal instalments subject to certain conditions.
5. While providing operational flexibility among various subheads, it should be ensured that not more than the approved specified amount sub head/ itemwise should be spent at any time.

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6. The entire project cost will be funded by SCSTE, Shimla and the funds for execution of the project will be released in TWO equal instalments. 50% advance payment after allotment of project and providing of revised proposals, bank account details etc. and the remaining 50% after submission of Utilization Certificate for the first instalment and project deliverables and based on progress of the work to be reviewed by the Project Evaluation Committee(PEC).
7. The money would not be diverted for any other purpose under any circumstance; even for temporary periods.
8. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SCSTE Shimla will have no liability to meet the budget etc. beyond the duration of the project.
9. Payment towards wages/remuneration as well as other contractual obligations shall be made through bank accounts of recipients and strictly as per Govt. norms; notifications etc.
10. The Institute/Organisation should submit evidence of deposit of TDS/Service Tax and copy of PF and ESI contributions of employees in case of contract payments and CST in case of purchase of leviable goods.
11. The accounts of the project shall be open to inspection by sanctioning authority/ audit whenever the institute/organisation is called upon to do so.
12. The institute/organisation will furnish to the SCSTE, Shimla , Utilization Certificate and an audited statement of accounts pertaining to the grant immediately after the end of one year/ after mid/half of the project duration but not later than 31st March,2018 and for 2nd instalment before 31st March,2019.
13. The institute/organisation will maintain separate audited accounts for the project. It is expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SCSTE, Shimla . The interest thus earned will be treated as a credit to the institute to be adjusted towards further instalment of the grant.
14. As this is the first grant being released for the project, no previous UC is required.
15. The Institute/organisation is advised to adopt research ethics and corruption mitigation strategies while utilizing the funds.
16. The expenditure should not exceed beyond the approved allocation of funds under any circumstances.
17. The financial support provided by SCSTE, Shimla should be duly acknowledged at all the forums, publications and proceedings whenever the research project is published or presented. The PI will place and highlight the role of SCSTE in each major activity/ programme (Logo, Pamphlets, Equipments in laboratories, Display in Field work etc.) under this project besides mentioning the grants received by SCSTE, Shimla.
18. Assets acquired wholly or substantially through grants shall not be disposed off without obtaining prior approval of State Council.

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19. Periodic review and inspection of the project will be done by SCSTE team and PI should intimate the Council beforehand about their important milestones activities proposed especially the field activities viz. trainings, site visit etc. in advance. In addition, the SCSTE may designate Scientist/Specialist or an expert panel to visit the institute/organisation periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. During the implementation of the project the institute will provide all facilities to the visiting Scientist/specialist or the expert panel by way of travel, accommodation etc. at the time of their visit.

20. Patents, trademarks, copyrights etc. of any nature should acknowledge financial approval of SCSTE. Technology, equipment, protocols, or innovations tool developed, if any would be in joint ownership of SCSTE Shimla and the PI or/and the institute/organisation.

21. Commercialisation of technology OR transfer of technology or process of production would be done in association with/under intimation to and after obtaining prior approval of SCSTE Shimla.

22. The SCST&E reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly utilised or appropriate progress is not being made.

23. If the PI to whom a grant for a project has been sanctioned wishes to leave the Institution where the project is based, the Institute/ PI will inform the same to the SCST&E and the CO-PI will ensure successful completion of the project, before relieving the PI.

24. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register in the prescribed format shall be maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant; and (b) movable property of capital nature where the value exceeds Rs 10,000/-. The Institute is required to send to the SCST&E a list of assets acquired from the grant. The grant shall not be utilised for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.

25. Any un-spent balance out of the amount sanctioned must be surrendered to the SCSTE through a crossed Cheque/ Demand Draft drawn in favour of Drawing & Disbursing Officer, SCST&E.

Kunal Satyarthi, IFS
Joint Member Secretary
SCSTE, Shimla

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Copy forwarded for information and necessary action to:

1. Head of the organisation/institute.
2. Principal Investigator
3. ACF(F&A) SCSTE, Shimla.
4. Accounts Sanction, SCSTE.
5. R&D Section.

Kunal Satyarthi, IFS
Joint Member Secretary
SCSTE, Shimla

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Annexure-II

Eternal University

(World peace through value based education)

ACADEMIC CALENDAR (2017-18)

For all undergraduate and postgraduate programmes (Except Nursing)

Events	Odd Semester	Even Semester
Registration	August 1, 2017	February 6, 2018
Registration with late fee	August 12, 2017	February 19, 2018
Last date of adding course	August 26, 2017	March 1, 2018
First Sessional theory examination (in class)	September 4-9, 2017	March 8-14, 2018
Last date of dropping a course	September 12, 2017	March 17, 2018
Second Sessional Practical examination (in class)	October 10-14, 2017	April 16-21, 2018
Mid Semester break	October 16-21, 2017	April 24-28, 2018
Second Sessional theory examination	October 24-28, 2017	April 30-May5, 2018
Second Session reports to the Deans	November 18, 2017	May 26, 2018
End Semester Practical examinations(in class)	December 7-13, 2017	June 12-16, 2018
End Semester theory examination	December 14-23, 2017	June 18-30, 2018
Winter/ Summer break	Dec 26, 2017 - Feb 5, 2018	July 2-31, 2018
Declaration of result	February 5, 2018	July 31, 2018
Semester duration in weeks and days	20 weeks and 4 days (144 days)	20 weeks and 4 days (144 days)
Semester working days	114	115
Teaching days	94	93
Day 1 to FSTE (days)	26	24
FSTE to SSTE (days)	32	36
SSTE to ESTE (days)	36	33

Eternal University will remain closed on National/State holidays i.e. January 26, August 15, October 2, and April 15

Station : Baru Sahib

Date : 28th February 2017

(Dr. BS Sohal)
Controller of Examination
Eternal University
Baru Sahib

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Approved by ACM & BOM on 27/2/2017

Eternal University

(World peace through value based education)

Ref No : EU/RO/NOTFN/21 Dated : 09th September 2015

NOTIFICATION

In pursuance of Clause 20 (i) of Eternal University (Establishment and Regulation) Act No. 3 of 2009 Clause 20 and Clause No. 18 (i) (a) and (b) of the First Statute of the Eternal University, Baru Sahib. The Chancellor of Eternal University is pleased to re-constitute the Academic Council of Eternal University, Baru Sahib consisting of the following members by superseding the previous notification EU/RO/NOTFN/21 dated 23rd March 2015:

1.	Dr. H.S. Dhaliwal (Vice Chancellor)	Chairman
2.	Dr. Davinder Singh (Registrar)	Member/Secretary
3	Dr. Neelam Kaur (Dean Faculty of Health & Allied Sciences and Dean Faculty of Education)	Member
4	Dr. BS Boparai (Dean, Akal College of Agriculture)	Member
5.	Dr.BS Sohal (Dean, Akal College of Basic Sciences)	Member
6.	Dr. PS Cheema (Dean, Akal College of Science & Technology)	Member
7.	Dr. Poorvi Luniyal (Dean Akal College of Arts & Social Sciences)	Member
8.	Dr. J.L. Sharma Dean Akal College of Economics, Commerce & Management)	Member
9.	Dr. Ajit Singh (Dean Library & Information System)	Member
10.	Controller of Examination	Member
11.	Dean Student Welfare	Member
12.	Director Admission & Placement	Member
13.	Principal Akal College of Education	Member

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E-mail : contact@eternaluniversity.edu.in, Web site: www.eternaluniversity.edu.in

14.	Principal Akal College of Nursing	Member
15.	Krishan Kumar, (Professor Fruit Sciences Dr YS Parmar University of Horticulture & Forestry, Nauni, Dist Solan (HP)	Member
16.	Dr. Manmohan S. Arora Block No-D, Room No 828, 2nd Floor New Friends Colony New Delh-11065	Member

H.S. Dhaliwal

(Dr. H.S. Dhaliwal)
Vice Chancellor
Eternal University
Baru Sahib

Eternal University

(World peace through value based education)

Ref No : EU/RO/NOTFN/021 Dated: 09th September 2015

NOTIFICATION

In pursuance of Clause 19 (i) of Eternal University (Establishment and Regulation) Act No. 3 of 2009 and Amendment Act No. 23 of 2012. The Chancellor of Eternal University is pleased to reconstitute the BOARD OF MANAGEMENT of Eternal University, Baru Sahib consisting of the following members superseding the previous Notification No EU/RO/NOTFN/021 dated 08th Jan 2015:

1.	DR. H.S. Dhaliwal(Vice Chancellor)	Chairman
2	Dr. Davinder Singh(Registrar)	Member Secretary
3	Dr. BS Boparai (Dean)	Member
4.	Dr. Neelam Kaur (Nominee of Sponsoring Body)	Member
5	Dr. Ajit Singh(Dean)	Member
6	Dr. Mahaveer Singh (Deptt of Physics, HP University, Shimla)(09218708512 & 0177-2830950)	Member Government Nominee
7	Sh RL Chauhan (Ex-Principal NIT),Kehan Niwas, Kelston Estate, Shimla-171001 (019724152)	Member Government Nominee
8	Sh. B.S Lamba (Nominee of Sponsoring Body)	Member
9	Dr. Jagmohan Singh Chauhan (Professor) Ex Vice Chancellor, Vill-Kothon, PO:Shamti, The & Dist : Solan Pin-173212 (HP)	Member
10.	Mr. D.K. Sharma,(Professor), B -73, Sector-II, Main Road, New Shimla, Shimla-9	Member

H.S. Dhaliwal

(Dr. H.S. Dhaliwal)
Vice Chancellor
Eternal University
Baru Sahib

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Eternal University

(World peace through value based education)

Ref No : EU/VCO/NOTFN/021 Dated :0 9th September 2015

NOTIFICATION

In pursuance of Clause 18 (i) of Eternal University (Establishment and Regulation) Act No. 3 of 2009 and Amendment Act No. 23 of 2012. The Chancellor of Eternal University is pleased to reconstitute the GOVERNING BODY of Eternal University, Baru Sahib consisting of the following members superseding the previous notification No EU/RO/NOTFN/21 dated 08th Jan 2015:-

1.	Hon'ble Baba Iqbal Singh Ji (Chancellor)	Chairman
2.	Dr. H.S. Dhaliwal (Vice Chancellor)	Member
3.	Dr. Davinder Singh (Registrar)	Member (Nominee of Sponsoring Body)
4.	Vice Chancellor of Akal University, Talwandi Sabo	Member (Nominee of Sponsoring Body)
5.	Dr. Neelam Kaur	Member (Nominee of Sponsoring Body)
6.	Dr. Jeet Singh Sandhu Deputy Director General(Crops Sciences) ICAR, Krishi Bhawan, New Delhi-110001 09582898978, Email:js_sandhuin@yahoo.com	Member (Outside Expert)
7.	Sh Kirnesh Jung Hon'ble MLA,Paonta Sahib(Vill-Ganguwala, PO:Paonta Sahib(HP)/Set No 407 JVS Shimla-04) (09816400067)Email-jungkirnesh@yahoo.com	Member (Member of State Legislative Assembly)
8.	Sh. Kishori Lal Hob'ble MLA,Baijnath(VPO-Baijnath, Kangra-176125/Set No 303, JVS Shimla-4)(09816334452 & 01894-263253)	Member (Member of State Legislative Assembly)
9.	Prof A.R.Chauhan,Pro-VC (Retd), R/o Sai Nilayam,D-25,Lane-1, Sector-2, New Shimla, Shimla-9(09882496000 & 0177-2671249) Email - anantsml@gmail.com	Member (Government Nominee)

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10.	Dr. D.J Das Gupta (Former Principal,IGMC(Retd), A-479, Sector-4, New Shimla(09418027095) Email-djdgupta@gmail.com	Member (Government Nominee)

H.S. Dhaliwal

(Dr. H.S Dhaliwal)
Vice Chancellor
Eternal University
Baru Sahib

Eternal University

(World peace through value based education)

Ref : EU/RO/Notfn/021

Dated : 09th September 2015

NOTIFICATION

In pursuance of Clause 21 (1) of First Statutes of Eternal University (Establishment and Regulation) Act No. 3 of 2009 and Amendment Act No. 23 of 2012. The Chancellor of Eternal University is pleased to Constitute the PLANNING BOARD COMMITTEE of Eternal University, Baru Sahib consisting of the following members by superseding previous Notification No EU/VCO/Notification/067/49 dated 28th December 2014:

1.	Dr.HS Dhaliwal (Vice Chancellor)	Nominee of the Chancellor
2.	Dr. Davinder Singh(Registrar)	Nominee of the Chancellor
3.	Dr. Ajit Singh	Nominee of the Chancellor
4.	Dr. Neelam Kaur	Nominee of the Chancellor
5.	Mr. D.K. Sharma	Nominee of the Chancellor
6.	Dr. BS Boparai	Nominee of the Chancellor
7.	Dr. Jagmohan Singh Chauhan	Nominee of the Chancellor

H.S. Dhaliwal

(Dr. H.S Dhaliwal)
Vice Chancellor
Eternal University
Baru Sahib

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Eternal University

(World peace through value based education)

Ref No: EU/RO/NOTFN/021 : Dated: 5th April, 2017

NOTIFICATION

In pursuance of Clause 22 of First Statutes of Eternal University (Establishment and Regulation) Act No. 3 of 2009 and Amendment Act No. 23 of 2012. The Chancellor of Eternal University is pleased to constitute the **FINANCE COMMITTEE** of Eternal University, Baru Sahib consisting of the following members by superseding previous Notification No. EU/RO/NOTFN/021 dated 9th September, 2015:

Sr. No.	Name(s)	Designation
1	Dr. H.S Dhaliwal (Vice Chancellor)	Chairman
2	Dr. Davinder Singh (Registrar)	Member
3	Dr. B.S. Sohal	Member
4	Dr. J.L. Sharma	Member
5	Dr. Ajit Singh	Member
6	Sh. D. L. Thakur, Joint Controller (LAD), Resident Audit Scheme, H.P. University, Summer Hill, Shimla - 5 (09816242924 & 0177-2830892) Email ID - **dlthakur1957@gmail.com**	Member (Government Nominee)
7	Mr. D.K. Sharma, B -73, Sector-II, Main Road, New Shimla, Shimla - 9	Member
8	Dr. Satish Chandra Tiwari (Chief Finance & Account Officer)	Member

H.S. Dhaliwal

(Dr. H.S. Dhaliwal)
Vice Chancellor
Eternal University, Baru Sahib

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Eternal University

(World peace through value based education)

Ref. No. EU/VCO/COM/023 February 26, 2017

COMMITTEE

In pursuance of Clause 21 of Eternal University (Establishment and Regulations) Act No 3 of 2009 and clause 24(i) of First Statue of Eternal University, the undersigned is pleased to constitute Steering Committee for NAAC inspection:

a)	Dr. BS Boparai	- Chairman
b)	Dr. Ramesh Arora	- Coordinator
c)	Dr. Jasvir Chahal	- Member Secretary
d)	Dr. Noor Mohamad	-Member
e)	Dr. Devi Lal Punia	- Member
f)	Dr. Rahul Kumar	- Member
g)	Dr. Vinod Kumar	- Member
h)	Dr. Karan Singh	- Member
j)	Dr. Vivek Sharma	- Member
k)	Dr. HS Chauhan	- Member
l)	Dr. Lekha Vishwanath	- Member
m)	Dr. Jaswant Singh	- Member
n)	Dr. Om Sharma	- Member
o)	Dr. RC Sharma	- Member
p)	Dr. Anjana Attri	- Member
r)	Mrs Raina Bhatia	- Member
s)	Mr Kuldeep Singh (TPO)	- Additional Member Secretary

The committee will start its functioning with immediate effect.

H.S. Dhaliwal

(Dr. HS Dhaliwal)
Vice Chancellor

Vice Chancellor
Eternal University
Baru Sahib (H.P.) 173101

Distribution:
All Concerned

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Eternal University

(World peace through value based education)

Ref : EU/VCO/UO/95

Date : March 06th, 2017

NOTIFICATION

In pursuance of clause 21 of Eternal University (Establishment and Regulations) Act No-3 of 2009 and Clause 24(i) of The First Statutes of Eternal University, the Hon'ble Chancellor of Eternal University is pleased to reconstitute Internal Quality Assurance Cell consisting of the following members:

1. Dr. H.S. Chauhan	-	Chairperson
2 Dr. Davinder Singh	-	Member
3 Dr. Neelam Kaur	-	Member
4 Dr. Ajit Singh	-	Member
5 Dr. B.S. Boparai	-	Member
6 Dr. J.L.Sharma	-	Member
7 Dr. P S Cheema	-	Member
8 Dr. BS Sohal	-	Member
9 Dr. Lekha Vishwanath	-	Member
10 Mrs. Ranjit Kaur	-	Member
11 Dr. Purvi Luniyal	-	Member
12 Mr. B.S. Lamba	-	Member
13 Dr. Noor Danish Ahrar Mundari	-	Member
14 Mr. DK Sharma	-	Member
15 Dean of Students Welfare	-	Member
16 Training & Placement Officer	-	Member
17 Mrs. Raino Bhatia	-	Member
18 Dr. Sushma Sharma	-	Member
19. Ms Nandita Thakur	-	Member
20. Dr. Harpreet Kaur	-	Member
21 Jasmeet Singh/Karan Singh/Head Cd	-	Member
22. Head HR Department Medanta Gurgaon	-	Member
23. Dr. Kulbhushan Kumar	-	Member Secretary

1. The aforesaid Committee will start functioning with immediate effect.
2. The required quorum of the meeting will be the presence of 1/3 members.

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3. The Chairperson and Member Secretary will be responsible to hold regular meetings of the Cell at least one in a month.
4. The Deans/Principals/HODs and other members will take active parts in the meeting of the Cell.
5. The member Secretary will submit the proceeding of each meeting duly approved by the Chairperson to the undersigned for further action.

This will repeal the previous Notification No EU/VCO/072/74 dated August 19th, 2015.

H.S. Dhaliwal

(Dr. H.S. Dhaliwal)
Vice Chancellor
Eternal University

Vice Chancellor
Eternal University
Baru Sahib (H.P.) 173101

Copy to:

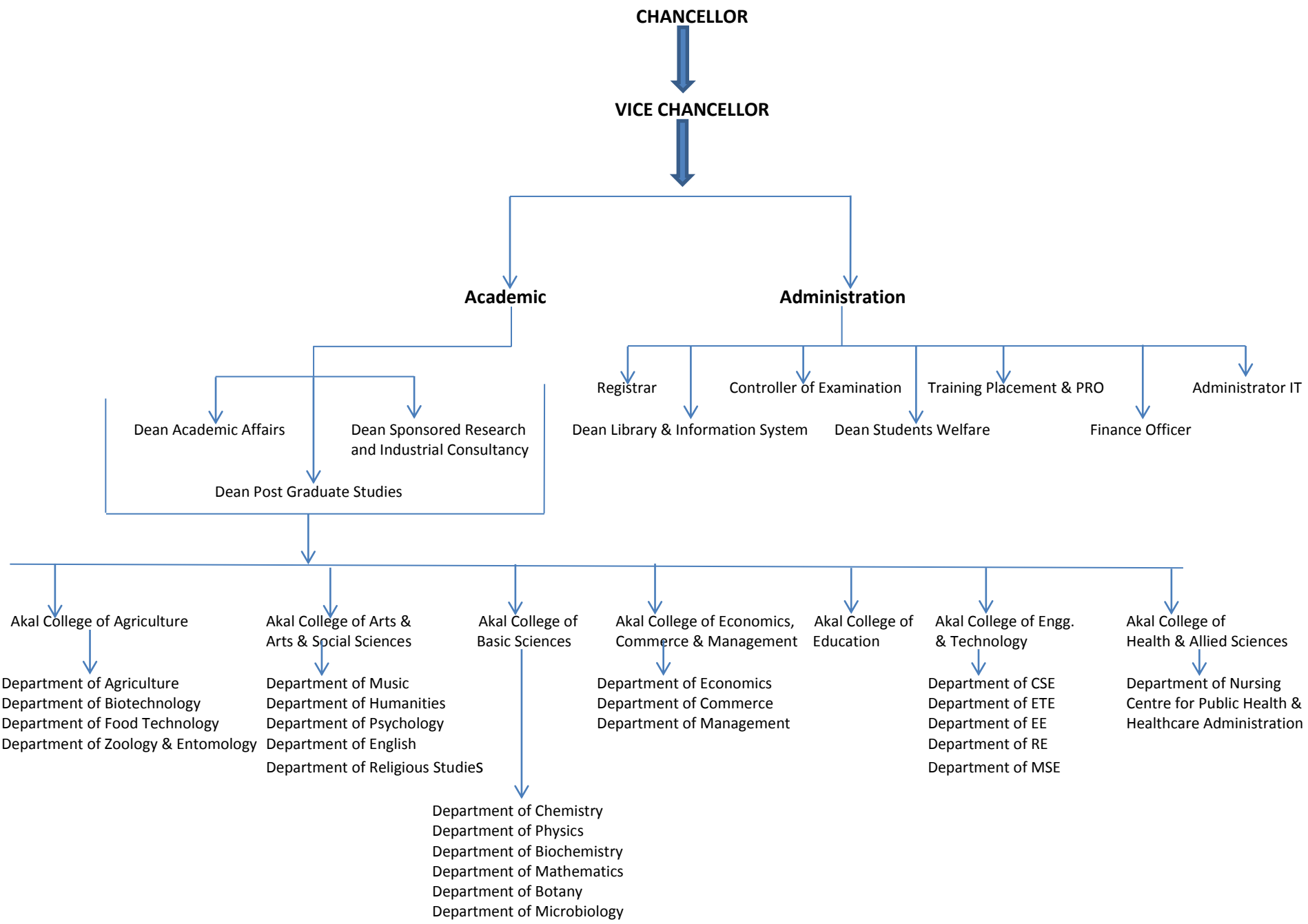
All concerned

BUILDING DETAILS: ETERNAL UNIVERSITY, BARU SAHIB

Sr. No.	Room No.	Room Type (mention Class Room / Lab / Toilet, etc)	Carpet Area (in sqm)	Completion of flooring	Completion of Walls and Painting	Completion of Electrification and Lighting
1	303	Laboratory	160	Ready	Ready	Ready
2	307	Class Room	100	Ready	Ready	Ready
3	311	Laboratory	130	Ready	Ready	Ready
4	314	Class Room	72	Ready	Ready	Ready
5	317	Laboratory	65	Ready	Ready	Ready
6	405	Class Room	100	Ready	Ready	Ready
7	407	Class Room	100	Ready	Ready	Ready
8	409	Laboratory	130	Ready	Ready	Ready
9	414	Class Row	100	Ready	Ready	Ready
10	417	Drawing Hall	200	Ready	Ready	Ready
11	504 D	Laboratory	150	Ready	Ready	Ready
12	505	Laboratory	150	Ready	Ready	Ready
13	507 A	Laboratory	70	Ready	Ready	Ready
14	507 B	Laboratory	70	Ready	Ready	Ready
15	509	Class Room	100	Ready	Ready	Ready
16	510	Class Room	100	Ready	Ready	Ready
17	513	Laboratory	200	Ready	Ready	Ready
18	601	Tutorial Room	55	Ready	Ready	Ready
19	602	Tutorial Room	42	Ready	Ready	Ready
20	603	Tutorial Room	42	Ready	Ready	Ready
21	604	Tutorial Room	42	Ready	Ready	Ready
22	605	Tutorial Room	60	Ready	Ready	Ready
23	606	Tutorial Room	60	Ready	Ready	Ready
24	607	Tutorial Room	60	Ready	Ready	Ready
25	608	Tutorial Room	60	Ready	Ready	Ready
26	609	Tutorial Room	60	Ready	Ready	Ready
27	1	Faculty Room	6	Ready	Ready	Ready
28	10	Main / Administrative Office	8	Ready	Ready	Ready
29	106	Central Store	8	Ready	Ready	Ready
30	107	Other	6	Ready	Ready	Ready
31	109	Reception Area	200	Ready	Ready	Ready
32	11	Placement Office	7	Ready	Ready	Ready
33	12	Placement Office	7	Ready	Ready	Ready
34	13	Placement Office	7	Ready	Ready	Ready
35	14	Faculty Room	7	Ready	Ready	Ready
36	15	Faculty Room	7	Ready	Ready	Ready
37	16	Faculty Room	7	Ready	Ready	Ready
38	17	Faculty Room	12	Ready	Ready	Ready
39	2	Faculty Room	7	Ready	Ready	Ready
40	203	Exam Control Room	15	Ready	Ready	Ready
41	205 C	Faculty Room	14	Ready	Ready	Ready
42	205 D	Faculty Room	10	Ready	Ready	Ready
43	205 E	Faculty Room	10	Ready	Ready	Ready
44	206	Other	18	Ready	Ready	Ready
45	207 A	Faculty Room	10	Ready	Ready	Ready
46	207 B	Cabin for Head of Deptt.	13	Ready	Ready	Ready
47	207 C	Faculty Room	14	Ready	Ready	Ready
48	207 D	Main / Administrative Office	10	Ready	Ready	Ready
49	207 E	Cabin for Head of Deptt.	13	Ready	Ready	Ready
50	209 B	Main / Administrative	13	Ready	Ready	Ready
51	210 A	Cabin for Head of Deptt.	13	Ready	Ready	Ready
52	210 C	Faculty Room	5	Ready	Ready	Ready
53	210 E	Exam Control Office '	10	Ready	Ready	Ready
54	3	Faculty Room	7	Ready	Ready	Ready

55	301 B	Other Office	12	Ready	Ready	Ready
56	4	Faculty Room	6	Ready	Ready	Ready
57	410	Faculty Room	21.93	Ready	Ready	Ready
58	43	Faculty Room	17..5	Ready	Ready	Ready
59	5	Faculty Room _	7	Ready	Ready	Ready
60	507 C	Faculty Room	9.5	Ready	Ready	Ready
61	507 E	Faculty Room	17.15	Ready	Ready	Ready
62	507 F	Faculty Room	16.28	Ready	Ready	Ready
63	508	Faculty Room	27.14	Ready	Ready	Ready
64	6	Main / Administrative Office	8	Ready	Ready	Ready
65	7	Main / Administrative Office	8	Ready	Ready	Ready
66	8	Principal Directors Office	55	Ready	Ready	Ready
67	9	Cabin for Head of Deptt.	20	Ready	Ready	Ready
68	9 B	Panty for Staff	10	Ready	Ready	Ready
69	E.C.O.	Exam Control Office	100	Ready	Ready	Ready
70	LIB.	Other	365	Ready	Ready	Ready
71	104	Others	50	Ready	Ready	Ready
72	105	Auditorium	300	Ready	Ready	Ready
73	200 T1	Toilet	15	Ready	Ready	Ready
74	200 T2	Toilet	15	Ready	Ready	Ready
75	300 T1	Toilet	15	Ready	Ready	Ready
76	300 T2	Toilet	15	Ready	Ready	Ready
77	304 C	Stationery Store	15	Ready	Ready	Ready
78	400 T1	Toilet	15	Ready	Ready	Ready
79	400 T2	Toilet	15	Ready	Ready	Ready
80	500 T1	Toilet	15	Ready	Ready	Ready
81	500 T2	Toilet	15	Ready	Ready	Ready
82	504 A	Boys Common Room	40.5	Ready	Ready	Ready
83	600 T1	Toilet	15	Ready	Ready	Ready
84	600 T2	Toilet	15	Ready	Ready	Ready
85	A.C.H.	First Aid cum Sick Room	100	Ready	Ready	Ready
86	B.H.10	Boys' Hostel (250 Rooms	30	Ready	Ready	Ready
87	CAFÉ	Cafeteria	100	Ready	Ready	Ready
88	G.H.	Girls' Hostel (190 Rooms)	30	Ready	Ready	Ready
89	GYM	Student activity / GCR	100	Ready	Ready	Ready
90	Store	Stationery Store	20	Ready	Ready	Ready
91	T1	Toilet	10	Ready	Ready	Ready
92	T2	Toilet	10	Ready	Ready	Ready
93	T3	Toilet	10	Ready	Ready	Ready
94	T4	Toilet	10	Ready	Ready	Ready
95	T5	Toilet	10	Ready	Ready	Ready
96	VIP 210	Principal's Quarter	100	Ready	Ready	Ready
97	W1	Workshop	250	Ready	Ready	Ready
98	W2	Workshop	180	Ready	Ready	Ready
99	W3	Workshop	180	Ready	Ready	Ready
100	W4	Workshop	120	Ready	Ready	Ready
101	W5	Workshop	120	Ready	Ready	Ready
102	W6	Workshop	120	Ready	Ready	Ready

FLOW CHART: ETERNAL UNIVERSITY



Eternal University

(World peace through value based education)

STATEMENT OF COMPLIANCE

This is to certify that Eternal University, Baru Sahib has complied with all the provisions of the following University Grants Commission (UGC) Regulations and amendments governing it:

- Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education 2010 and further amendments notified by the UGC from time to time.
- Minimum Standards and Procedure for the Award of M.Phil./Ph.D. Degree, Regulations 2009 and further amendments notified by the UGC from time to time.
- Specification of Degrees, March 2014 and further amendments notified by the UGC from time to time.
- UGC (Establishment of and Maintenance of Standards in Private Universities) Regulations, 2003 and further amendments notified by the UGC from time to time.
- All the distance education programmes have the UGC-DEC approval. **(University is not having Distance Education programmes).**

Any false or misleading information provided by the institution, will be viewed seriously by NAAC and the accreditation given is liable to be withdrawn.

ETERNAL UNIVERSITY * Baru Sahib, Distt. Sirmour (H.P.) 173101 * Dairy No. Date

Place : Baru Sahib

Date : 06th May 2017

H.S. Dhaliwal

(Dr. H.S. Dhaliwal)
Vice Chancellor
Eternal University
Baru Sahib

Vice Chancellor
Eternal University
Baru Sahib (H.P.) 173101

BARU SAHIB, VIA RAJGARH, DISTT: SIRMOUR, HIMACHAL PRADESH-173101 (INDIA)
Tele: 01799-276012, Fax: 01799-276006, Mob. 9816400624
E-mail : contact@eternaluniversity.edu.in Web site: www.eternaluniversity.edu.in

Details of Result Last Two Years

Course	2014-15		2014-15		2015-16		2015-16	
	Appeared		Passed		Appeared		Passed	
	Male	Female	Male	Female	Male	Female	Male	Female
Ph.D. Chemistry	1	-	1	-	-	-	-	-
M.Sc. Biotechnology	2	-	2	-	-	1	-	1
M.A. Music	-	8	-	8	-	-	-	-
M.Sc. Chemistry	2	1	2	1	-	2	-	2
MBA	1	2	1	2	4	3	4	3
M.A. Economics	-	1	-	1	-	1	-	1
M.Tech	7	16	7	15	1	2	1	2
MPH	4	4	4	4	4	9	3	8
B.A. Music	-	22	-	21	-	21	-	21
B.Sc. Non Medical	-	5	-	5	-	20	-	18
B.Sc. Medical	-	1	-	1	-	12	-	11
B.Sc. Economics	-	16	-	15	-	22	-	17
B.Ed.	-	6	-	6	-	30	-	30
B.Tech	-	70	-	65	-	72	-	68
B.Sc. Nursing	-	57	-	57	-	47	-	44
M.Sc. Physics	-	-	-	-	-	1	-	1
M.Sc. Nursing	-	-	-	-	-	18	-	18
M.Sc. Food Tech.	-	-	-	-	-	2	-	2
M.A. English	-	-	-	-	-	1	-	1

भारत सरकार
युवा कार्यक्रम और खेल मंत्रालय
क्षेत्रीय निदेशालय, राष्ट्रीय सेवा योजना
चण्डीगढ़

सत्यमेव जयते

Government of India
Ministry of Youth Affairs and Sports
Regional Directorate, National Service Scheme
Chandigarh

संपी : 3 (11) रा0 से0 यो0/ चंडीगढ़ /2017/२८१ दिनांक : 06, जून , 2017

सेवा मे

डा . एच. एस. धालीवाल
उप-कुलपति
एटर्नल यूनिवर्सिटी , बारू साहिब,
सिरमौर, हिमाचल प्रदेश

विषय - स्वंय वित्त पोषित राष्ट्रीय सेवा योजना ईकाई की स्वीकृति - संबंधी,

आदरणीय महोदय ,

उपरोक्त विषय पर आपके पत्र दिनांक 25 मई , 2017 के संदर्भ में राष्ट्रीय सेवा योजना राज्य अधिकारी हिमाचल प्रदेश ने दिनांक 26 मई , 2017 को मेल द्वारा अपनी संस्तुति इस निदेशालय को अग्रेषित की है इस सन्दर्भ मे आपके विश्वविद्यालय को राष्ट्रीय सेवा योजना ईकाई खोलने की स्वीकृति निम्न लिखित शर्तों के साथ प्रदान की जाती है :

1) राष्ट्रीय सेवा योजना ईकाई का आरम्भ शिक्षा सत्र 2017-18 से आरम्भ होना चाहिए ।
2) राष्ट्रीय सेवा योजना ईकाई को भारत सरकार , युवा कार्यक्रम और खेल मंत्रालय और इस निदेशालय तथा राज्य शासन के सभी दिशा निर्देशों का अक्षरश : पालन करना चाहिए । (विस्तृत जानकारी इंटरनेट पर www.nss.nic.in के अंतर्गत NSS Manual 2006 पर उपलब्ध)
3) राष्ट्रीय सेवा योजना ईकाई कार्यकाल तीन वर्ष सत्र (2019-20) तक संतोषजनक राष्ट्रीय सेवा योजना गतिविधियों और समयानुसार सही रिपोर्टिंग के आधार पर ही जारी रखा जायेगा । तीन वर्ष पश्चात इसको जारी रखने हेतू राष्ट्रीय सेवा योजना सलाहकार समिति अथवा एस. एफ. यू. कमेटी द्वारा अनुमोदन अनिवार्य होगा, अन्यथा रा. से. यो. ईकाई की स्वीकृति स्वत : निरस्त मानी जाएगी ।
4) राष्ट्रीय सेवा योजना ईकाई में स्वयंसेवक किसी भी विषय से लिए जा सकते है जिनको नियमानुसार दो वर्ष में 240 घंटे सामुदायिक सेवा एवं एक रा. से. यो. विशेष शिविर में प्रतिभागिता अनिवार्य होगी ।
5) नियमानुसार सभी प्रकार की रा. से. यो. गतिविधियों की मासिक, वार्षिक एवं समय - समय पर मांगी गई रिपोर्ट अद्यतन जानकारी अपने राष्ट्रीय सेवा योजना राज्य अधिकारी एवं इस क्षेत्रीय निदेशालय को प्रेषित करनी होगी ।
6) किसी भी स्तर या अवसर पर यह पाया गया कि रा. से. यो. ईकाई की गतिविधियाँ संतोषजनक नहीं है , रिपोर्टिंग त्रुटि पूर्ण अथवा देरी से की गई है तो क्षेत्रीय निदेशालय किसी भी समय रा. से. यो. की स्वीकृति एवं मान्यता रद्द कर सकता है ।

क्षेत्रीय निदेशक , राष्ट्रीय सेवा योजना , राज्य अधिकारी , राष्ट्रीय सेवा योजना अथवा उसके प्रतिनिधि ईकाई, की गतिविधियों को देखने एवं उनका आंकलन करने के लिए आपकी आपके विश्वविद्यालय में आ सकते है अतः आपसे उस दौरान पूर्ण सहयोग एवं अद्यतन जानकारी उपलब्ध करवाने की अपेक्षा की जाती है ।

राष्ट्रीय सेवा योजना विश्व का सबसे विशाल स्वयंसेवक छात्र संगठन है । आशा है कि आपकी राष्ट्रीय सेवा योजना ईकाई बेहतर सामाजिक कार्यों में योगदान देकर अपने संस्थान , राज्य एवं देश को गौरवान्वित करेगी ।

भवदीय
(सुभाष चंद)
क्षेत्रीय निदेशक

प्रतिलिपि:
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