Admission Prospectus 2020

بابا غلام شاہ بادشاہ یونیورسٹی، راجوری

Baba Ghulam Shah Badshah University

Rajouri, Jammu & Kashmir

www.bgsbu.ac.in

Vice Chancellor's Message

We nurture and ignite the fertile minds for their professional and personal success, and are committed to create responsible citizens as epitome of utmost ethics, social and moral values.

My Dear Students,

Greetings and welcome to the Baba Ghulam Shah Badshah University, Rajouri, an institution of higher education located in the serene and pristine meadows of Pir-Panjal mountains of the State of Jammu and Kashmir. We are largely focused on imparting quality education and training in the field of Engineering and Technology, Post-graduate studies and research in Management, Life Sciences, and Social Sciences & Humanities. In the competitive era of 21st century, BGSBU strives to bring global perspective to all its programs and activities. To attain this, we continuously update our courses and syllabi, keeping in view the changing needs of different professions, industries and social landscape. Indeed, the future belongs to those who are able to build a strong foundation with quest for in-depth knowledge, skills and primed to dive deep to harvest the pearls of success against all odds.

The students are the most important stake holders on our campus. We create opportunities and inspire our students to achieve their goals. BGSBU offers much more than just a great learning experience. Our aim is to provide the knowledge, create new knowledge and to offer multi-cultural ethos that stimulate students to think, explore, inquest, analyze, innovate, and thrive as dynamic members of a global society. To achieve this arduous task, we, at BGSBU are equipped with the required abilities and capacities to impart advanced education in contemporary fields of Science & Technology, Management and Social sciences, to produce graduates, post-graduates and researchers, enriched with both the theoretical and practical knowledge of newer technologies and skills. In the year 2018, BGSBU has been ranked 36th amongst the Government Universities in the country, in ranking survey conducted by India Today Group. Recently, University got the World Bank funding under TEQIP-III and initiated massive efforts for improvement and development of state-of-the-art laboratory facilities, opening new vistas for student learning and training programs in our School of Engineering and Technology. Our well qualified faculty and trained staff is dedicated to engender all-round development of our students, and to kindle their inherent literary and creative talents, as well as, sportsmanship. Come and visit and meet these great people who will invest and make a difference in your life. We are committed to preparing you to lead and serve.

I invite you all to be a part of scholastic journey into the astounding educational and research intensive ecosphere of BGSBU campus. I am sure that you will feel privileged and enchanted with the surroundings and academic ambience on being associated with us as a member of BGSBU fraternity.

I wish you all the best for realization of all your dreams in your career ahead.

Javed Musarrat

Baba Ghulam Shah Badshah University

Vision

"Steady onward march for human development through Science and Technology on one hand and our national ethos on the other"

Mission

"Work towards preparing men and women who are intellectual adventurers and not camp followers; who are architects of the future and not curators of the past"

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The University

Established by the Government of Jammu & Kashmir through J&K Legislative Assembly Act No. XVI of 2002 and recognised by the AICTE and UGC, New Delhi, under sections 2 (f) &12 (B), Baba Ghulam Shah Badshah University is mandated to impart quality education in Science & Technology, Management, Arts, Social Sciences and Humanities and undertake research in basic and job oriented applied courses.

The University is located at the slopes of Dhanidhar hills, the southern peripheral part of the majestic Pir Panjal mountain range. The unique geographical location in rural setting offers ideal ambience for teaching and learning. The University campus is 9 Kms from Rajouri town (latitude 33° 23' N. longitude 74° 21' E.) at an altitude of 1,178 meters above the mean sea level. The climate of the place varies from subtropical to temperate. Frequent rains, occasional hailstorms and snowfall account for the moderate climate and serene atmosphere of the campus and its neighbourhood.

Special features of the University

- Serene, eco-friendly, pollution-free ambience ideal for pursuing knowledge.
- Residential character with on-campus housing facility for staff and students.
- DELNET facility for use by faculty and students.
- Emphasis on live projects and hands-on training.
- Training in communication skills and personality development.
- Full fledged Placement Cell to link job - seekers with job givers.
- Dedicated faculty and excellent adjunct faculty.
- Guest lectures by scholars from across the world.
- Regular seminars, workshops and conferences.
- Facilitation of grant of scholarships and Educational Loan to needy students.
- University Fellowships for M. Phil. and Ph. D. programmes.
- Strict adherence to Academic Calendar.
- Choice Based Credit System (CBCS) and Massive Open Online Courses (MOOCs) in place

Amenities for students:

- **Branch Offices:** Besides its main campus at Rajouri, the University also maintains branch offices at Jammu, Srinagar & Kishtwar for liaising with students of these divisions for facilitating their admission, counseling, entrance tests etc. Admission Prospectus is also sold at Leh and Kargil through J&K Bank.
- **Internet:** All teaching departments are equipped with Internet facility which enables University teachers and scholars, to keep abreast with latest developments in their respective fields of specialisation.
- **Canteen:** The campus has canteens with provision for lunch, tea, soft drinks, snacks etc. Their upkeep, hygiene and quality of service are monitored strictly. The canteens keep open till late hours for benefit of scholars who work late in library and laboratories.
- **Co-curricular activities:** The hilly terrain of the campus provides ideal setting for trekking, hiking, rock climbing and allied activities. For overall personality development, students' participation in quiz programmes, singing, mimicry, debates, poetry recitation and similar other activities is encouraged. The University has a playground and dedicated Students Centre and Gym with provision for outdoor and indoor games.
- **Guest houses:** The university has 2 guest houses, one each at Jammu and Rajouri. While the first two cater to the faculty and University guests in transit, the one at the Campus is used as the Visitors lodge. The construction of one VVIP Guest House is in progress and shall be ready soon.
- **Shopping Mall:** The Campus shopping mall, called the 'Sab Rang Square', and the multi-purpose Student's Amenities Centre meet routine requirements of resident students, at reasonable rates.
- **Bank and Post Office:** A branch of the Jammu & Kashmir Bank with ATM facility has been established on the campus to facilitate bank transactions including educational loans for students. The students also avail the facility of post-office whose timing synchronizes with that of the University.
- **Health Centre:** The University maintains Health centre with qualified Medical Officer and technical & nursing staff. The services of the Doctor and Health centre are provided free to the University students round the clock. The Centre also runs a Pharmacy to cater to specific needs of the sick.
- **Transport facilities:** The University offers paid transport facility to student**s** and University employees from Rajouri town to University Campus and back on first - cum - first -served basis. As a green campus initiative, the University also runs free of cost battery -operated vehicles in the campus.

Glimpsese of cultural activities

Central Library

The Library works under the supervision of Library Committee of which Vice Chancellor is the Chairman. It is manned by professionals and combines the virtues of classical reading with 21st century technology. It keeps trying new ways to reach out to members to fulfill their information requirement.

Item	Total collection
Books Purchased	40144
Digital Documents	2859
Book received as Gifts (Gratis)	4034
Project Reports /Dissertations	2360
Newspapers	20
Journals & Magazines	86
M. Phil. / Ph. D. theses	104
Online Journals (e-Shodhsindhu)	6000 approx.

BGSB University Library is an Institutional Member of DELNET, a network of more than 6863 member libraries dispersed across the globe maintaining a bibliographical data base of more than 28 million documents which member Libraries can access on inter-library loan basis. With access to eight databases of UGC-Infonet along with access to J- Gate, the library members can access nearly 6000 online journals on varied subjects. The Doctoral research in progress and the Ph. D. / M. Phil. awarded by BGSB University can be accessed at Shodganga & Shodgangotri the repositories of Ph. D. synopses & Ph. D. theses of all the research programmes in progress in the country,maintained by UGC-INFLIBNET. Bibliographic details of the library holdings are duly maintained with DELNET and INFLIBNET and can be accessed globally at their respective sites. With the view to facilitate members to have access to some other important online open access sources of information, a good number of sources are federated on the library website accessible at https://sites.google.com/site/clbgsbu/.

The Library extends Plagiarism detection services on Urkund software to Library Members. Of late, the library has switched over its automation and circulation services on KOHA software which is also used to provide Online public access catalogue service.

Training & Placement Cell

The University has made training and placement integral parts of its educational programmes. For this purpose the University has fulfledged Placement Cell with a Training Placement Officer who organizes training activities round the year, coordinates with the corporate sector, prepares prospective job - seekers and facilitates Campus selection. Realizing the role the Placement Cell has been playing in making our product industry - ready and employable, the University is trying to expand and upgrade it to Centre for Employability Skills Development, with the long term aim of raising it into Skills Capital of Jammu & Kashmir. To make them employable students are imparted requisite knowledge in the area of their specialization, necessary skills and right aptitude (KSA). They acquire knowledge through formal teaching-learning process. Skills and aptitude are honed by professionals in skills development. The budding professionals are helped to become clear, correct and confident in their oral and written communication.

Key activities undertaken by the Centre

i. Organizes Personality Enhancement Workshops, Group Discussions, Mock Interviews and other activities that prepare students for corporate sector.
ii. Provides career consultancy to students of non-professional streams.
iii. Organizes regular visits of students to industrial houses as part of Campus to Corporate programme.
iv. Arranges Campus recruitment for summer training which provides first hand knowledge about corporate world and prepares students for final placements.
v. Assists students in getting on-the-campus placements by inviting national and multinational companies for on - campus interaction, interviews and selection.
vi. Organizes workshops on Rêsume writing.
vii. Some past recruiters of our product include Berkley Bank, IDBI, Fortis, ICICI, Kotak Mahindra, IBM, Perot Systems, JPH Technologies, Global InfoTech, L&T Infotech, Tech. Mahindra, Wipro, Tech. Aspect, Axis Bank, Bureau Veritas, Inficom Solutions, Aquatronics, SEBIZ, Surya Wires etc.
viii. Organizes on - campus and off - campus Placement Drives.

Reservation of Seats in UG & PG teaching programmes

To fulfill its obligations towards the socially disadvantaged classes, the University has made special provision of reservation of seats for admission of their children in all the teaching programmes it offers. Seats have been reserved for them in undergraduate and postgraduate programmes as per following break-up:

- Permanent residents of Rajouri and Poonch districts **25%**
- Scheduled Tribes **09%**
- Scheduled Castes **08%**
- Other Backward Areas **05%**
- Wards of Defence service personnel who are permanent residents of J&K State, and candidates belonging to weak and under-privileged classes as notified by the State vide latest SRO. **02%**

- Reservation of seats in Masters programme in Biotechnology is as per norms of the HRD Ministry, Government of India.
- For wards of permanent employees of BGSB University 01 seat is reserved in each programme which is supernumerary i.e. over and above the number of seats allotted to the course.

  The General Category seats for each Academic programme include seats allotted on Merit and those in the Reserved Categories.

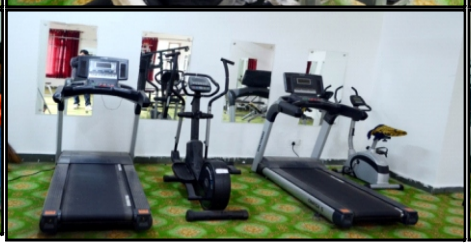
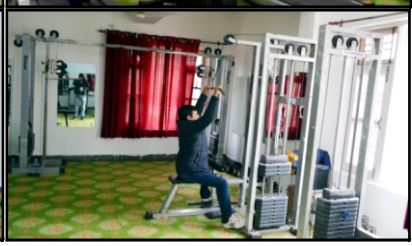
Admission to all teaching programmes offered by the University is available to candidates from all States of India.

Span of the Teaching Programmes

(as per UGC Notification No: D.O. No.F.12-1/2015(CPP-II), dated, 15-10-2015)

1.	M.A. / M.Sc. / MBA	2 Yrs.	Max. 4 Yrs.
2.	MCA	2 Yrs.	Max. 4 Yrs.
3.	B.A./ B.Sc.	3 Yrs.	Max. 5 Yrs.
4.	B. Tech.	4 Yrs.	Max. 6 Yrs.
5.	Diploma Courses in :		
	(i) Front Office	1 Yr	Max. 3 Yrs.
	(ii) House Keeping	1 Yr	Max. 3 Yrs.
	(iii) Food & Beverage Services	1 Yr	Max. 3 Yrs.

Campus Fitness Centre

Green Campus Initiative

Schools of Studies

- School of Mathematical and Computer Sciences
- School of Material Sciences & Nanotechnology
- School of Engineering and Technology
- School of Management Studies
- School of Social Sciences
- School of Islamic Studies & Languages
- School of Education
- School of Biosciences and Biotechnology
- School of Nursing & Biomedical Sciences
- School of Healthcare and Pharmacy is on the anvil.

School of Mathematical & Computer Science

Department of Computer Science

- Integrated MCA
- MCA
- Advanced Diploma in Machine Learning
- M. Phil. & Ph. D.

Department of Information Technology

- M. Sc. Information Technology
- M. Phil. & Ph. D.

Department of Mathematical Sciences

- M. Sc. Mathematics
- M. Sc. Mathematics (Spl. in Applied Mathematics)
- M. Sc. Mathematics (Evening programme)
- M. Phil. & Ph. D.

Department of Computer Science

The Department of Computer Science imparts quality education and also conducts research in cutting edge technologies in Computer Applications. The Department has produced 12 batches of MCA so far. Many passouts are holding important positions in Information Technology industry in the country. Teaching is imparted through well-designed, industry-oriented curriculum which is right blend of class room teaching, lab work, guest lectures and software development projects. On account of its futuristic outlook, the MCA programme has earned recognition and obtained liberal grants from AICTE. The Department has also introduced Choice Based Credit System (CBCS) in which the students have a choice to choose from the prescribed courses. The basic idea is to look into the needs of the students so as to keep upto date with development in higher education in India and abroad. The CBCS aims to redefine the curriculum keeping pace with the liberalization and globalization of Education.

The Department has introduced five year Integrated MCA Programme apart from one year Advanced Diploma in Machine Learning. The Department also offers M. Phil. and Ph. D. programmes in emerging fields of Computer Science and runs short term Certificate courses in Hardware & Maintenance, Computer Networking, Dot Net Technologies and Java Programming. The Department has an efficient Computer Maintenance Wing (CMW) that provides technical assistance to all the Departments / Sections of the University.

The Department has state-of-the-art laboratories with high end blade servers & workstations and a 24- hours dedicated high speed optical fibre internet connectivity of 1Gbps bandwidth. The faculty is well qualified, dedicated and highly motivated. The students receive intensive training on latest and stand alone PCs and workstations, which, coupled with dedicated trainers, provides an ideal platform for producing competent Professional Software Developers, IT Managers and Computer Engineers for the IT-industry. Through the Training and Placement Cell, liaison is maintained with various government and industrial organizations to facilitate employment of the passouts, who are trained in communication skills, oral presentation, personality attributes and other requirements of the corporate world.

Academic Activities

- The faculty published research papers in various refereed journals and participated in conferences/seminars/workshops/refresher courses organized in this University and in other Universities of the country.
- AICTE recognized Short Term Course on 'Artificial Intelligence and Optimization' through ICT organized by National Institute of Technical Teachers Training and Research, Chandigarh and conducted by Computer Sciences Department, Baba Ghulam Shah Badshah University, Rajouri, J&K from January 21st, 2019 to January 25th, 2019.
- AICTE recognized Short Term Course on 'Application development using Angular Java' through ICT organized by National Institute of Technical Teachers Training and Research, Chandigarh and conducted by Computer Sciences Department, Baba Ghulam Shah Badshah University, Rajouri, J&K from February 25th, 2019 to March 1st, 2019.
- Two Weeks Faculty Development Programme on Machine Learning (FDP-ML 2019) organized by Department of Computer Sciences, Baba Ghulam Shah Badshah University, Rajouri, J&K from April 22nd, 2019 to May 4th, 2019.
- Expert Lecture of Dr. Monis Khan, Co-Founder & CEO, Datoin Banglaore on 'Shortcomings of Rule Based AI as Compared to ML Based AI' through Webinar on November 21, 2019.
- Organized Two Day National Conference on Innovative Trends in Computer Science Research ITCSR-2017, on 25-26th February, 2017.
- Pass outs of the Department have found placements in CS Infotech (Chandigarh), HDFC Bank, Micro Web Technology, CS Soft Solutions, Universities & JPH Technologies.
- Many pass outs are placed in Higher Education Department and are working as Assistant Professors in various colleges of the J&K State.
- Many students have also cleared UGC NET/SLET Examination.

Integrated MCA

Integrated MCA programme is a five years prestigious program which is listed amongst AICTE approved programs. The course provides a sound practical skill that is required by leading software industries. This programme is streamlined in a way to meet the demand for qualified experts in the field of Computer Sciences. This programme is slanted more towards Application Development and has more accentuation on the most recent programming dialects and instruments to grow better and quicker applications. The main objective of the integrated programme is to eliminate any types of barriers among industry and academia. The Students enrolled for Integrated MCA have the option to exit after three years with BCA degree or continue and receive Integrated MCA degree.

Course Curriculum

Semester I

Course Code	Course Title
IMP 111	Mathematics - I
IMP 112	Communication Skills
IMP 113	Computer Fundamentals
IMP 114	Programming in C
Lab Courses	
IMP 161	Lab on IMP -113
IMP 162	Lab on IMP -114

Semester II

Course Code	Course Title
IMP 211	Mathematics - II
IMP 212	Environmental Sciences
IMP 213	Object Oriented Con. using C++
IMP 214	Internet Technologies
Lab Courses	
IMP 261	Lab on IMP-213
IMP 262	Lab on IMP-214

Semester III

Course Code	Course Title
IMP 311	Mathematics - III
IMP 312	Principles of Management
IMP 313	DBMS
IMP 314	Basics of Operating System
Lab Courses	
IMP 361	Lab on IMP-313
IMP 362	Lab on IMP-314

Semester IV

Course Code	Course Title
IMP 411	Mathematics - IV
IMP 412	Digital Electronics
IMP 413	Dot Net Technologies
IMP 414	Computer Networks
Lab Courses	
IMP 461	Lab on IMP-413
IMP 462	Lab on IMP-414

Semester V

Course Code	Course Title
IMP 511	Computer based Num.Analysis
IMP 512	Object Oriented Analysis & Design
IMP 513	Management Information System
IMP 514	Multimedia Applications
Lab Courses	
IMP 561	Lab on IMP-511
IMP 562	Lab on IMP-514

Semester VI

Course Code	Course Title
IMP 611	a. Dissertation
	b. Academic Project Seminar
	c. Project Viva - Voce

Semester VII

Course Code	Course Title
IMP 711	Discrete Mathematics
IMP 712	Comp. Org. & Architecture
IMP 713	Operating Systems
IMP 714	Software Engineering
IMP 715	Data & File Structures
Lab Courses	
IMP 761	Lab 1: C Programming
IMP 762	Lab 2: Data & File Structures
Non-Credit Course	
IMP 716	Mathematical Foundation

Semester VIII

Course Code	Course Title
IMP 811	Relational Database Manag. Sys.
IMP 812	Analysis & Design of Algorithms
IMP 813	Data Comm. & Comp. Networks
	Elective -I
	(Choice Based Open Elective) **Lab**
Courses	
IMP 861	Lab 3: PL/SQL & LInux Essentials
IMP 862	Lab 4: Java Programming
List of Electives-I	
IMP 815	Manag. Information System
IMP 816	Basic Accounting
IMP 817	Simulation & Modeling
IMP 818	Operations Research
IMP 819	Object Orien. Analysis & Design
IMP 820	Compiler Design
IMP 821	Web Mining
IMP 822	Software Testing
IMP 823	Multimedia using Flash
IMP 824	Linux Admin. & Open Source Soft.
Choice Based Open Elective Courses (One of the following)	
Math 231	Math. Tools for Real World Prob.
IT 232	IT Soft Skills

Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang. & Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tour.& Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang. & Lit.
ECP 248	Introduction to Pahari Lang. & Lit.
ECK 249	Intro. to Kashmiri Lang. & Lit.
IS 250	Spirituality & Islam

Non-Credit Course

IMP 825	Soft Skills

Semester IX

Course Code	Course Title
IMP 911	Arti. Intelligence & Mach. Learning
IMP 912	Theory of Computation
IMP 913	Commuter Graphics
IMP 914	Web Technologies
	Elective -II

Lab Courses

IMP 961	Lab 5: Python Programming
MCA 962	Lab 6: Web Technologies

List of Elective - II

IMP 915	Data Warehousing & Data Mining
IMP 916	Wireless & Mobile Communication
IMP 917	Bio Informatics
IMP 918	Systems Software
IMP 919	Cryptography & Network Security
IMP 920	Big Data Analytics
IMP 921	Internet of Things
IMP 922	Natural Language Processing
IMP 923	Android Application Development
IMP 924	Research Methodology

Semester X

Course Code	Course Title
IMP 1011	Major Project (Industrial / Research) a) Proj. Problem Identi. & seminar b) Dissertation c) Presentation d) Viva-voce

Intake : 35

General	**: 30**
Self-Supporting	**: 05**

Eligibility for Admission

- 10+2 in any discipline.
- Candidates appearing in the Higher Secondary Part-II (12th) Examination and those whose result of the same is awaited can also apply provisionally.

Selection shall be made on the basis of the total marks secured by the candidate in qualifying examinations or those appeared in the Central University Common Entrance Test (CUCET-2020).

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	i. Semester First	:	Rs. 8,000/-
	ii. Semester Second	:	Rs. 10,000/-
	iii. Semester Third	:	Rs. 12,000/-
	iv. Semester Fourth	:	Rs. 14,000/-
	v. Semester Fifth	:	Rs. 16,000/-
	vi. Semester Sixth	:	Rs. 18,000/-
	vii. Semester Seventh	:	Rs. 22,500/-
	viii. Semester Eighth	:	Rs. 22,500/-
	ix. Semester Ninth	:	Rs. 22,500/-
	xi. Semester Tenth	:	Rs. 22,500/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Science / Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self-Supporting Fee (One Time)	:	Rs. 1,50,000/-

Masters in Computer Applications (MCA)

Masters in Computer Applications (MCA) is full time, 4 semesters, resident programme. MCA degree is awarded to students who attend and pass 15 theory and 6 laboratory courses and undertake major project work in public or private sector institutions to acquire real-life practical training which helps them in finding proper placement. The course offers choice to students for selection of Elective courses in 2 Semesters.

Course Curriculum

Semester I

Course Code	Course Title
MCA 151	Discrete Mathematics
MCA 152	Computer Organization & Architecture
MCA 153	Operating Systems
MCA 154	Software Engineering
MCA 155	Data & File Structures

Lab Courses

MCA 181	Lab 1: C Programming
MCA 182	Lab 2: Data & File Structures

Non-Credit Course

MCA156	Mathematical Foundation

Semester II

Course Code	Course Title
MCA 251	Relational Database Management System
MCA 252	Analysis & Design of Algorithms
MCA 253	Data Communication & Computer Networks
	Elective -I (Choice Based Open Elective)

Lab Courses

MCA 281	Lab 3: PL/SQL & LInux Essentials
MCA 282	Lab 4: Java Programming

List of Electives-I

MCA 254	Management Information System
MCA 255	Basic Accounting
MCA 256	Simulation & Modeling
MCA 257	Operations Research
MCA 258	Object Oriented Analysis & Design
MCA 259	Compiler Design
MCA 260	Web Mining
MCA 261	Software Testing
MCA 262	Multimedia using Flash
MCA 263	Linux Administration & Open Source Software

Choice Based Open Elective Courses (One of the following)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Language & Literature
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Language & Literature
ECP 248	Introduction to Pahari Language & Literature
ECK 249	Introduction to Kashmiri Language & Literature
IS 250	Spirituality & Islam

Non-Credit Course

MCA 264	Soft Skills

Semester III

Course Code	Course Title
MCA 351	Artificial Intelligence & Machine Learning
MCA 352	Theory of Computation
MCA 353	Commuter Graphics
MCA 354	Web Technologies
	Elective -II

Lab Courses

MCA 381	Lab 5: Python Programming
MCA 382	Lab 6: Web Technologies

List of Elective - II

MCA 355	Data Warehousing & Data Mining
MCA 356	Wireless & Mobile Communication
MCA 357	Bio Informatics
MCA 358	Systems Software
MCA 359	Cryptography & Network Security
MCA 360	Big Data Analytics
MCA 361	Internet of Things
MCA 362	Natural Language Processing
MCA 363	Android Application Development
MCA 364	Research Methodology

Semester IV

Course Code	Course Title
MCA 451	Major Project (Industrial / Research) a) Project Problem Identification & seminar b) Dissertation c) Presentation d) Viva-voce

Intake : 35

General	:	**30**
Self-Supporting	:	**05**

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) in any discipline or any other degree recognized equivalent thereto from a recognized university.

- Candidates appearing in the Final year of the qualifying examination and those whose result of the same is awaited, can also apply provisionally.

Selection shall be made on the basis of the total marks secured by the candidates in the qualifying examination or those appeared in the Central University Common Entrance Test (CUCET-2020) or BGSBU Mathematical Sciences Entrance Test.

Fee Structure Per Semester		**MCA**
1. Admission Fee	:	Rs. 1,300/-
2. Tuition Fee		
i. Semester First	:	Rs. 22,000/-
ii. Semester Second	:	Rs. 22,500/-
iii. Semester Third	:	Rs. 22,500/-
iv. Semester Fourth	:	Rs. 22,500/-
3. Career Counseling & Placement Assistance	:	Rs. 1,000/-
4. Library Fee	:	Rs. 900/-
5. Sports Fee	:	Rs. 900/-
6. Science / Computer Lab. Fee	:	Rs. 900/-
7. Laboratory Maintenance Fee	:	Rs. 900/-
8. University Development Fund	:	Rs. 900/-
9. University Corpus Fund	:	Rs. 1,000/-
10. One Time Security (Refundable)	:	Rs. 1,000/-
11. Self-Supporting Fee (One Time)	:	Rs. 1,50,000/-

M. Phil. and Doctoral Programmes

The Department runs M. Phil. and Ph. D. programmes in Computer Sciences. For details regarding admission to these programmes, refer Chapter Research programmes of Admission Prospectus. At present, research is being carried out in the fields of Data Sciences, Machine Learning, Natural language Processing, Wireless Sensor / Adhoc Networks and Internet of Things. The Department has produced 4 batches of M. Phil. and five Ph. D.'s. Admission to M. Phil. and Ph. D. Programmes will be notified subject to availability of seats.

Faculty	Designation	Qualification
• Prof. Mohammad Asger	**Dean**	M. Sc., M.Tech., Ph.D.
• Dr. Qamar Rayees Khan	**Head of the Department**	MCA, Ph.D.
• Dr. Majid Bashir Malik		MCA, Ph. D.
• Dr. Sanjay Jamwal		MCA, M. Phil., Ph. D.
• Dr. Gulfam Ahamad		MCA, Ph.D.(GATE, MANF-JRF)
• Dr. Aadil Ahmad Lawaye		MCA, Ph.D.
• Ms. Parveen Rana		MCA (NET)
• Dr. Mohd. Naseem		MCA, Ph.D.(GATE,ISM-JRF)

Invited Guest Faculty

- Prof. Naseeb Singh Gill — Head, Deptt. of Computer Sciences & Applications, Maharashi Dayanand University, Rohtak - Haryana
- Prof. Aquil Ahmed — Deptt. of Statistics & Operations Research AMU, Aligarh
- Prof. Vinod Sharma — Deptt. of Computer Sciences & IT, JU, Jammu
- Dr. P. S. Rana — Deptt. of Computer Sciences & Engineering,Thapar University, Patiala
- Dr. Baijnath Kaushik — Deptt. of Computer Sciences & Engineering, SMVDU, Katra

Advanced Diploma in Machine Learning

The Department has started one year advanced Diploma course in Machine Learning. This course is designed keeping in view the need of industry to employ the personnel with in-depth knowledge and skills required by Machine Learning fields around the globe. The emphasis is on machine learning algorithms and applications, with some broad explanation of the underlying principles, pertaining the requirements of the IT industry and R&D. It will provide a comprehensive knowledge about the fundamental Principles, Methodologies and Industry practices in Machine Learning.

Advanced Diploma in Machine Learning is a two semester whole time programme and offers choice to students for selection of Elective courses both in theory and laboratory courses in second semester. This Advanced Diploma will be awarded to students who pass 04 theory, 03 laboratory courses and a minor project work.

Course Curriculum

Semester I

Course Code	**Course Title**
ADML 111	Linear Algebra & Statistical Analysis for Machine Learning
ADML 112	Principles of Machine Learning
Lab. Courses	
ADML 151	Machine Learning with Python (Python Programming Lab.)
ADML 152	Machine Learning with R (Programming Lab.)

Semester II

Course Code	**Course Title**
ADML 211	Advances in Machine Learning
Elective* (Opt. any one)	
Lab. Courses	
ADML 251	Lab. 3 Minor Project
Elective**	**(Opt. any one)**

Elective*	**(Opt. any one)**
Course Code	**Course Title**
ADML 212	Big Data Analytics
ADML 213	Natural Language Processing
ADML 214	Machine Learning for Health Care
ADML 215	Machine learning for Agriculture
ADML 216	Artificial Neural Networks

Elective**	**(Opt. any one)**
Course Code	**Course Title**
ADML 252	Machine Learning using WEKA
ADML 253	Machine Learning using MATLAB
ADML 254	Machine Learning using SAS (Statistical Analysis Software)
ADML 255	Scala Programming
ADML 256	Ruby Programming
ADML 257	Advanced Java Programming

Intake : (Total Seats : 10)

General : **10**

Eligibility for Admission

- B.E. / B.Tech. / B.Sc. (IT / Computer Science / Electronics / Electrical), BCA.
- 3 - Year Diploma (IT / Computer Science / Electronics).
- PGDCA, DOEACC A, B, C level or equivalent.

Selection shall be made on the basis of the total marks secured by the candidates in qualifying examination.

Fee Structure Per Semester : Rs. 12,000/-

Department of Information Technology

The Department of Information Technology is a flagship Department under the School of Mathematical & Computer Sciences having an up-to-date curriculum, well trained faculty and excellent infrastructure. The Department is committed to develop highly skilled Information Technology (IT) professionals, capable of meeting the ever-changing and increasing needs of the IT industry.

The Department is presently offering a two year Post Graduate programme leading to the Master's Degree in Information Technology (M. Sc. IT). It prepares skilled human resource in such prime areas as Systems Administration, Web based Technology, E-Business etc. So far, the Department has produced 10 batches of M. Sc. IT and most of them are highly placed in Government & reputed organizations within and outside India. Every Masters level student is required to pass 16 theory and 6 Lab. Courses. The final semester includes project work which provides exposure to real-life practical training to young learners, helps them adjust to corporate working and prepares them for finding suitable placements.

The outlook of the students is improved by training them in Soft Skills, Oral expression and such other traits as are essential for corporate working. This part of the programme is handled by professionals in the University Placement Cell which is supplemented by external support from time to time.

All laboratories of the Department are linked through wired and wireless Networking. Computing facility and Internet Services are available round the clock. The Department maintains well equipped laboratories with high end workstations and blade servers for separate computing platforms enabling students to work with latest technologies. The Department plans to diversify and expand its activities in the years to come.

Academic Activities

- Research Programmes leading to M. Phil. & Ph.D. in Information Technology which are the first ever Research Programmes in Information Technology by any University in the J&K State.
- Organized National Seminar on Data Sciences & Artificial Intelligence.

Course Curriculum

Semester I

Course Code	Course Title
MIT 151	Programming & Problem Solving using C
MIT 152	Operating System
MIT 153	Discrete Mathematics
MIT 154	Digital Electronics
Lab Courses	
MIT 181	C-Programming Lab
MIT 182	IT Skills Lab

Semester II

Course Code	Course Title
MIT 251	Data Structures
MIT 252	Object Oriented Prog. with Java
MIT 253	Data Comm. & Networking

Choice Based Open Elective Courses (Any one of the following)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues

Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Appl. & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam

Lab Courses

MIT 281	Data Structures Lab
MIT 282	Java Programming Lab

Semester III

Course Code	Course Title
MIT 351	Database Management System
MIT 352	Mobile Computing & Development
MIT 353	Software Engineering

Choice Based Complementary Elective Courses (Any one of the following courses)

MIT 354	Information Security
MIT 355	IT Infrastructure Management
MIT 356	Data Mining

Lab Courses

MIT 381	DBMS Lab
MIT 382	Mobile Development Lab

Semester IV

Course Code	Course Title
MIT 451	Artificial Intelligence
MIT 452	Web Technologies
MIT 453	Python Programming
MIT 457	Project Work

Choice Based Complementary Elective Courses (Any one of the following courses)

MIT 454	Computer Forensics
MIT 455	Cloud Management
MIT 456	Web Mining

Intake : (Total Seats : 35)

General	:	**30**
Self-Supporting	:	**05**

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) in any discipline or any other degree recognized equivalent thereto from a recognized University.
- Candidates appearing in the final year of the qualifying examination and those whose result of the same is awaited, can also apply provisionally.

Selection shall be made on the basis of the total marks secured by the candidates in qualifying examination or those appeared in the Central University Common Entrance Test (CUCET-2020) or BGSBU Mathematical Sciences Entrance Test.

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	i. Semester First	:	Rs. 22,000/-
	ii. Semester Second	:	Rs. 22,500/-
	iii. Semester Third	:	Rs. 22,500/-
	iv. Semester Fourth	:	Rs. 22,500/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Science / Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self-Supporting Fee (One Time)	:	Rs. 1,50,000/-

M. Phil. and Doctoral Programmes

The Department has introduced M. Phil. and Ph. D. programmes in Information Technology from 2016, leading to M. Phil. & Ph.D. in Information Technology, first ever started by any University in the J&K State. For details regarding admission to these programmes, refer Chapter 'Research Programmes' of Admission Prospectus. Admission to M. Phil. and Ph. D. Programmes will be notified subject to availability of seats.

Faculty	Designation	Qualification
● Prof. Mohammad Asger	**Dean**	M. Sc., M. Tech., Ph. D.
● Dr. Tasleem Arif	**Head of the Department**	MCA, Ph. D. (NET)
● Mr. Satish Kumar		MCA, M. Phil. (NET/SET)
● Mr. Ed Gowhar Hafiz Wani		MCA

Invited Guest Faculty

● Prof. M. Abulaish	Head, Deptt of Computer Sciences , South Asian University, New Delhi
● Prof. Abdul Wahid	Dean, School of Computer Sciences & IT, MANUU, Hyderabad
● Prof. Vinod Sharma	Rector, Poonch Campus, University of Jammu
● Prof. Vijay Singh Rathore	Director, KARNI College, Jaipur, Rajasthan
● Prof. Rashid Ali	Deptt. of Computer Engineering, AMU Aligarh
● Dr. Jatinder Manhas	Deptt. of Computer Sciences, Baderwah Campus, University of Jammu

Department of Mathematical Sciences

The Department offers three Masters programmes: M. Sc. Mathematics (specialisation : Applied Mathematics), M. Sc. Mathematics (Morning) and M. Sc. Mathematics (Evening). All these programmes are of two years duration and comprise 4 Semesters each. The Department initiated postgraduate programme in Mathematics largely to prepare manpower for teaching and research. The postgraduate programme in M. Sc. Mathematics (specialisation : Applied Mathematics) has been conceived with the aim of developing among students mathematical skills and acumen required in real life problems in the fields of medicine, agriculture, industry, trade, finance etc. It prepares them for jobs in banks, corporate sectors, industry etc.

The first two semesters of all post graduate programmes are common. In the third semester, the students split into two streams. The fourth semester is partially devoted to execution of project work to train students in problem identification and solving. Furthermore, each student has to compulsorily pass one non-creditable massive open online course (MOOCs) under SWAYAM platform during two-year programme.

The Department maintains rich library, which is being liberal funded by the National Board of Higher Mathematics, and a well equipped computer lab.

Course Curriculum

Masters in Mathematics
(Morning & Evening)

Semester I

Course Code	Course Title
MS 131	Topology and its Applications
MS 132	Techniques in Differential Equations
MS 133	Real Analysis
MS 134	Applied Numerical Analysis
MS 135	Computer Fundamentals and C-Programming
MS 136	Set Theory
MS 137	Lab Course on MS 135

Semester II

Course Code	Course Title
MS 231	Numerical Linear Algebra
MS 232	Functional Analysis with Applications
MS 233	Abstract Algebra with Applications
MS 234	Complex Analysis with Applications
MS 235	Elements of Accountancy

Choice Based Open Elective Course (Any one of the following)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene

Masters in Mathematics
(Specialisation: Appl. Maths)

Semester I

Course Code	Course Title
MS 131	Topology and its Applications
MS 132	Techniques in Differential Equations
MS 133	Real Analysis
MS 134	Applied Numerical Analysis
MS 135	Computer Fundamentals and C-Programming
MS 136	Set Theory
MS 137	Lab Course on MS 135

Semester II

Course Code	Course Title
MS 231	Numerical Linear Algebra
MS 232	Functional Analysis with Applications
MS 233	Abstract Algebra with Applications
MS 234	Complex Analysis with Applications
MS 235	Elements of Accountancy

Choice Based Open Elective Course (Any one of the following)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic

Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Language & Literature
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Language & Literature
ECP 248	Introduction to Pahari Language & Literature
ECK 249	Introduction to Kashmiri Language & Literature
IS 250	Spirituality & Islam

Lab Course

MS 236	Matlab.

Semester III

Course Code	Course Title
MS 331	Advanced Topics in Topology
MS 332	Theory of Operators
MS 333	Advanced Complex Analysis
MS 334	Environmental Science

Lab Course

MS 335	Lab course on LATEX

Choice based Complementary Electives (Students are required to choose any two of the following courses)

MS 336	Differential Geometry
MS 337	Number Theory
MS 338	Module Theory
MS 339	Wavelet Theory
MS 340	Calculus in Rn
MS 341	Abstract Measure Theory and Integration
MS 342	Theory of Partial Differential equation
MS 343	Graph Theory

	Language
UR 238	Fundamentals of Urdu Language & Literature
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Language & Literature
ECP 248	Introduction to Pahari Language & Literature
ECK 249	Introduction to Kashmiri Language & Literature
IS 250	Spirituality & Islam

Lab Course

MS 236	Matlab.

Semester III

Course Code	Course Title
MS 351	Computational methods for ODE and PDE
MS 352	Mathematical Programming
MS 353	Applied Harmonic Analysis
MS 354	LATEX
MS 355	Environmental Science

Lab Course

MS 356	Lab Course on LATEX

Choice based Complementary Electives (Students are required to choose any two of the following courses)

MS 356	Mathematical Finance
MS 357	Graph and Network Theory
MS 358	Modeling and Simulation
MS 359	Applied Probability and Random Processes
MS 360	Applied Multivariable Calculus
MS 361	Modeling of Real World Problems by variational Inequalities
MS 362	Advanced Finite element Methods
MS 363	Wavelet approx. and Image processing
MS 364	Mathematical Ecology & Epdemiology

Semester IV	
Course Code	**Course Title**
MS 431	Dissertation/ Major Project
MS 432	Technical Communication
MS 433	Lab Course on SPSS
Choice Based Complementary Elective Courses (Any three of the following courses)	
MS 434	Complex Dynamics
MS 435	Banach Algebras
MS 436	Advanced Functional Analysis
MS 437	Tensor Analysis and Riemanian Geometry
MS 438	Algebraic Topology
MS 439	Theory of Fields
MS 440	Spaces of Analytic Functions
MS 441	Algebraic Geometry
MS 442	Theory of Relativity
MS 443	Commutative Algebra
MS 444	Theory of Integral Equation
MS 445	Approximation Theory

Semester IV	
Course Code	**Course Title**
MS 451	Dissertation/ Major Project
MS 452	Technical Communication
MS 453	Lab Course on SPSS
Choice Based Complementary Elective Courses (Any three of the following courses)	
MS 454	Wavelets and Applications
MS 455	Mathematics of Insurance
MS 456	Fluid Dynamics
MS 457	Algorithmic optimization
MS 458	Integral Equations and Applications
MS 459	Bio Mathematics
MS 460	Finite Fields & Coding Theory
MS 461	Applied Functional Analysis
MS 462	Dynamical Systems

	Masters in Mathematics	**Masters in Mathematics (Specialisation: Applied Maths)**
Intake		
Morning	**(Total Seats : 40)**	**(Total Seats : 30)**
General	**: 30**	**25**
Self Supporting	**: 10**	**05**
Evening Course	**(Total Seats : 30)**	
All General	**: 30**	**–**

Eligibility for Admission to all three post graduate programmes:

- Bachelors' degree of 10+2+3 pattern with Mathematics as one of the subjects or any other degree recognized equivalent thereto from any recognized university.
- Candidates appearing in the Final Year Examination of the qualifying degree or those whose result of the same is awaited, can also apply provisionally.

Procedure for Admission to M. Sc. Mathematics (Specialisation: Applied Mathematics) & Mathematics (Morning & Evening) / Also alternative route of Admission in MCA & M.Sc. IT Programme.

- For admission to M. Sc. Mathematics (Specialisation Applied Mathematics) & Masters in Mathematics programmes, Morning as well as Evening, also alternative route of Admission in MCA & M.Sc. IT Programme. all eligible candidates are required to undergo written Entrance Test which will be conducted at BGSB University Campus, Rajouri and any other Centres if the University so decides.
- Syllabus and Model Question Paper for the Entrance Test will be available on the University website from where these can be downloaded. Admit Cards for Entrance Test can be collected by the candidates from the Department, Camp or Regional Offices of the University.

Admission will be based on the Combined merit of students in the Entrance Test and the qualifying examination (70:30).

Fee Structure Per Semester		Regular	Evening Prog.
1. Admission Fee	:	Rs. 1,300/-	Rs. 1,300/-
2. Tuition Fee			
i. Semester First	:	Rs. 22,000/-	Rs. 19,500/-
ii. Semester Second	:	Rs. 22,500/-	Rs. 20,000/-
iii. Semester Third	:	Rs. 22,500/-	Rs. 20,000/-
iv. Semester Fourth	:	Rs. 22,500/-	Rs. 20,000/-
3. Career Counseling & Placement Assistance	:	Rs. 1,000/-	--
4. Library Fee	:	Rs. 900/-	Rs. 900/-
5. Sports Fee	:	Rs. 900/-	--
6. Science / Computer Lab. Fee	:	Rs. 900/-	Rs. 900/-
7. Laboratory Maintenance Fee	:	Rs. 900/-	Rs. 900/-
8. University Development Fund	:	Rs. 900/-	Rs. 900/-
9. University Corpus Fund	:	Rs. 1,000/-	Rs. 1,000/-
10. One Time Security (Refundable)	:	Rs. 1,000/-	Rs. 1,000/-
11. Self-Supporting Fee (One Time)	:	Rs. 1,20,000/-	--

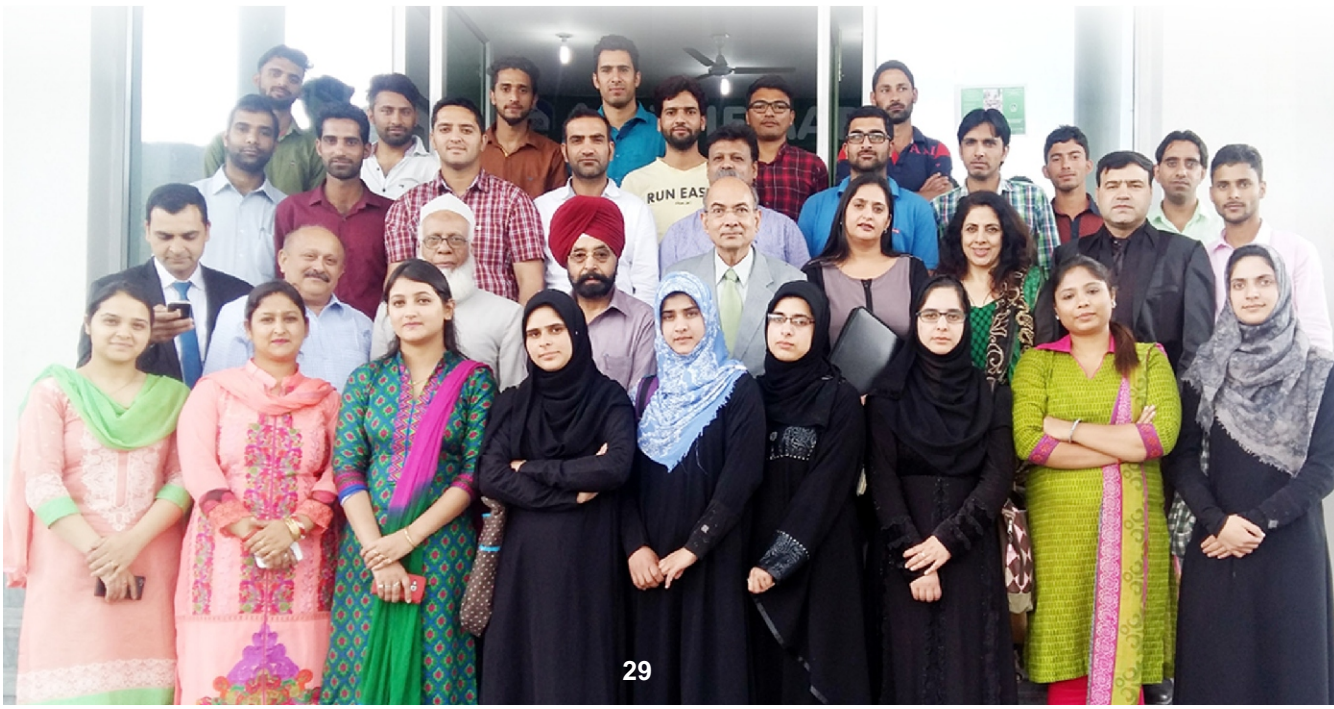
M. Phil. & Ph. D. Programmes

The Department is running M. Phil. and Ph. D. Programmes with a view to promote original thinking and creativity among students. Five batches of M. Phil. have passed out so far. The procedure for admission and eligibility for admission to these programmes are given in Chapter 'Research progammes'. The Department has also produced some Doctoral theses in Applied Mathematics and more are in pipeline.

Faculty	Designation	Qualification
• Professor M. Asger	**Dean**	M. Sc., M. Tech., Ph. D.
• Dr. Zaheer Abbas	**Head of the Department**	M. Phil., Ph. D. (NET-JRF)
• Dr. Javid Iqbal		M. Phil., Ph. D.
• Dr. Mudassir Rashid Lone		M. Phil., Ph. D.
• Ms. Shruti Gupta		M. Sc. Applied Mathematics
• Dr. Rustam Abass		M. Sc., Ph. D.
• Dr. Adil Dar		Ph. D.
• Ms. Princess Raina		M. Phil.

Guest Faculty

• Prof. M. Mursaleen	Aligarh Muslim University
• Prof. S. D. Sharma	Central University of Jammu
• Prof. A. P. Singh	Central University of Rajasthan
• Dr. Ajay Kumar	Head, of the Deptt.,Central University of Jammu



School of Material Sciences & Nanotechnology

M. Sc. Physics

M. Phil. & Ph. D.

M.Sc. Physics

Physics is the natural science that involves the study of matter and its motion and behavior through space and time, along with related concepts such as energy and time. The boundaries of Physics are not rigidly defined. It intersects many interdisciplinary areas of research, such as biophysics and quantum chemistry. Physics makes significant contributions by advancing new technologies through theoretical breakthroughs. Understanding of electromagnetism and nuclear physics have led to the development of products, such as television, Computers, domestic appliances and nuclear weapons that have dramatically transformed modern-day society. Advances in thermodynamics led to industrialization and advances in mechanics inspired development of calculus.

In recognition of the role Physics has played and is likely to play in taking mankind forward, United Nations named 2005 the World Year of Physics.

The University has launched Masters programme in Physics to provide avenues of higher studies in Physics to graduates based out by colleges which are spread over the twin districts of Rajouri and Poonch in particular and the country as a whole.

Course Curriculum

Semester I

Course Code	Course Title
MPH 111	Classical Mechanics
MPH 112	Mathematical Physics
MPH 113	Numerical Methods & Prog.
MPH 114	Electronics
MPH 115	Quantum Mechanics - I
Lab Course	
MPH 116	Physics Lab -I

Semester II

Course Code	Course Title
MPH 211	Electrodynamics
MPH 212	Statistical Mechanics
MPH 213	Atomic and Molecular Spectroscopy
MPH 214	Quantum Mechanics - II
Lab Course	
MPH 215	Physics Lab-II

Choice Based Open Elective Course (The student is required to choose any one of the following))

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam

Semester III

Course Code	Course Title
MPH 311	Condensed Matter Physics -I
MPH 312	Nuclear Physics -I
MPH 313	Advanced Electronics and Applications-I
MPH 314	Condensed Matter Physics-I(Special)
MPH 315	Nuclear Physics -I (Special)
MPH 316	Advanced Electronics & Applications - I (Special)

Choice based Complementary Electives (Any one of the following)

Course Code	Course Title
MPH 331	Material Science & Characterization
MPH 332	Digital Signal Processing
MPH 333	Radiation Physics
Lab course	
MPH 317	Physics Lab - III

Semester IV

Course Code	Course Title
MPH 411	Condensed Matter Physics -II
MPH 412	Nuclear Physics -II
MPH 413	Advanced Electronics & Applications-II
MPH-414	Condensed Matter Physics-

	II (General)
MPH-415	Nuclear Physics - II (Special)
MPH-416	Advanced Electronics & Application - II (Special)

Choice Based Open Elective Course (The student is required to choose any one of the following)

MPH 441	Nanoscience and Technology
MPH 442	Satellite Comm. & Remote sensing
MPH 443	Astrophysics
Lab Course	
MPH 417	Project Work

Intake : (Total Seats : 25)

General : **20**
Self-Supporting : **05**

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) with Physics as one of the elective subjects.
- Candidates appearing in the final year of the qualifying examination and those whose result of the same is awaited, can also apply provisionally.

Procedure for Admission

- For admission to M. Sc. Physics, all eligible candidates are required to undergo written Entrance Test which will be conducted at BGSB University Campus, Rajouri and any other Centres if the University so decides.
- Syllabus and Model Question Paper for the Entrance Test will be available on the University website from where these can be downloaded. Admit Card for Entrance Test will be collected by the candidates from the Department, Camp or Regional Offices of the University.
- **Admission will be based on the Combined merit of students in the Entrance Test & the qualifying examination (70:30).**

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	i. Semester First	:	Rs. 22,000/-
	ii. Semester Second	:	Rs. 22,500/-
	iii. Semester Third	:	Rs. 22,500/-
	iv. Semester Fourth	:	Rs. 22,500/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Science / Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self-Supporting Fee (One Time)	:	Rs. 1,50,000/-

M. Phil. & Ph. D. Programmes

The Department has initiated M. Phil. & Ph. D. programmes.

Faculty	Designation	Qualification
● Dr. Mohammad Asger	**Dean**	M. Sc., M. Tech., Ph. D.
● Dr. Ashaq Hussain Shah		M. Sc., M. Phil., Ph. D.
● Dr. Feroz Ahmad Mir		M. Sc., Ph. D.
● Dr. Rayees Ahmad Zargar		M. Sc., M. Phil., Ph. D.
☹ Mr. Majahid-Ul-Islam		M. Sc. NET-JRF, SET
● Mr. Muzaffar Jamal		M. Sc. & SET
● Mr. Peerzada Ajaz Ahmad		M. Sc.
● Mr. Muddasir M. Naik		M. Sc.

School of Engineering & Technology

University Polytechnic

- Department of Electronics & Communication
- Department of Electrical Engineering
- Department of Mechanical Engineering
- Department of Civil Engineering
- Lateral Entry to Diploma Engineering

B. Tech. Programmes

- Department of Civil Engineering
- Department of Computer Engineering
- Department of Electronics & Communication Engineering
- Department of Electrical Engineering
- Department of Information Technology & Engineering
- Lateral Entry to B.Tech.

B. E. Evening Programmes (Lateral Entry)

- Department of Civil Engineering
- Department of Electrical Engineering

University Polytechnic

The University has unique distinction of having established the first Centrally funded Polytechnic in collaboration with the J&K State Government. The need of Polytechnic was felt on account of non-availability of any such institute in the region at that time which could meet the great market demand for skilled middle level engineers. Many young school passouts who do not have the means or aptitude to pursue higher studies run from pillar to post in search of vocational training to acquire some skill for making a living. The skilled work force that the University Polytechnic is generating is meeting this demand.

The Polytechnic imparts technical education through Diploma courses in :

- Electronics & Communication Engineering
- Electrical Engineering
- Mechanical Engineering
- Civil Engineering

Each Diploma course is of 3 years duration, consisting of 6 semesters during which training is provided through classroom lectures, laboratory work and workshop practice. Hands-on training is imparted to students during Summer training and execution of project work during the last two semesters.

Course Curriculum for Diploma Engineering

The Curriculum of first two Semesters is mostly common to all four Streams. Diversification starts in Semester III.

Course Curriculum

Semester I

Course Code	Course Title
ECE/CE/ME/EE 101	English & Communication Skills - I
ECE/CE/ME/EE 102	Applied Mathematics - I
ECE/CE/ME/EE 103	Applied Physics - I
ECE/CE/ME/EE 104	Applied Chemistry - I / Electronics Components & Materials
ECE/CE/ME/EE 105	Engineering Drawing - I
Lab. Courses	
ECE/CE/ME/EE 111	English & Communication Skills - I
ECE/CE/ME/EE 112	Applied Physics - I
ECE/CE/ME/EE 113	Basic Information Tech. /Applied Chemistry - I
ECE/CE/ME/EE 114	Engineering Drawing - I
ECE/CE/ME/EE 115	General Workshop Practice - I
ECE/CE/ME/EE 115	Student Centred Activities

Semester II

Course Code	Course Title
ECE/CE/ME/EE 201	English & Communication Skills-II
ECE/CE/ME/EE 202	Applied Mathematics - II
ECE/CE/ME/EE 203	Applied Physics - II
ECE/CE/ME/EE 204	Basic Electrical Engg. / Applied Chemistry - II
ECE 205	Basic Electronics
ECE/EE /ME205	Engineering Drawing - II
Lab. Courses	
ECE/CE/ME/EE 211	English & Communication Skills-II
ECE/CE/ME/EE 212	Applied Physics - II
ECE/CE/ME/EE 213	Basic Electrical Engg. / Applied Chemistry - II /
ECE/EE 214	Basic Electronic
CE/ME/EE 214	Basics of Information Technology
ECE/ME/EE 215	Engineering Drawing - II
ECE/CE/ME/EE 216	General Workshop Pract.II
ECE/CE/ME/EE 217	Student Centred Activities

Electronics & Communication Engineering

Semester III

Course Code	Course Title
ECE 301	Electronics Instruments & Measurements
ECE 302	Principles of Communication Engg
ECE 303	Digital Electronics
ECE 304	Electronic devices & Circuits
ECE 305	Computer Prog. & Applications
Lab. Courses	
ECE 311	Electronics Instruments & Measurements
ECE 312	Principles of Communication Engg.
ECE 313	Digital Electronics
ECE 314	Electronic devices & Circuits
ECE 315	Computer Prog. & Applications
ECE 316	Electronics design & fabrication Techniques
ECE 317	Ecology & Environmental Awareness Camp

Semester IV

Course Code	Course Title
ECE 401	Network filters & Transmission lines
ECE 402	Communication System - I
ECE 403	Power Electronics
ECE 404	Microprocessors
ECE 405	Generic Skills & Entrepreneurship Development
Lab. Courses	
ECE 411	Network filters & Transmission lines
ECE 412	Communication System - I
ECE 413	Power Electronics
ECE 414	Microprocessors
ECE 415	Trouble Shouting of Electronic Equipment
ECE 416	Entrepreneurship Awareness Camp

Semester V

Course Code	Course Title
ECE 501	Consumer Electronics
ECE 502	Communication System - II
ECE 503	Instrumentation & Programmable Logic Controllers
ECE 504	Electrical Machines
ECE 505	Computer Organization & Networking
Lab. Courses	
ECE 511	Consumer Electronics
ECE 512	Communication System - II
ECE 513	Electrical Machines
ECE 514	Computer Organization & Networking
ECE 515	Industrial Training
ECE 516	Personality Development Camp

Semester VI

Course Code	Course Title
ECE 601	Microwave & Radar Engineering
ECE 602	Wireless & Mobile Communication
ECE 603	Microcontroller & Embedded Sys.
ECE 604	Digital Signal Processing
ECE 605	Basics of Management
Lab. Courses	
ECE 611	Wireless & Mobile Communication
ECE 612	Microcontroller & Embedded Sys.
ECE 613	Digital Signal Processing
ECE 614	Major Project Work
ECE 615	Student Centred Activities

Electrical Engineering

Semester III

Course Code	Course Title
EE 301	Fundamentals of Electrical Engg.
EE 302	Electronics - I
EE 303	Electrical and Electronics Engineering Materials
EE 304	Computer Prog. and Applications
Lab. Courses	
EE 311	Fundamentals of Electrical Engg.
EE 312	Electronics - I
EE 313	Computer Prog. and Applications
EE 314	Electrical Engg. Design & Drawing
EE 315	Electrical Workshop Practice - I
EE 316	Ecology & Environmental Awareness Camp

Semester IV

Course Code	Course Title
EE 401	Electrical Machines - I
EE 402	Electrical Measuring Instruments & Instrumentations
EE 403	Electronics - II
EE 404	Estimating & Costing in Electrical Engineering
EE 405	Generic Skills & Entrepreneurship Development
Lab. courses	
EE 411	Electrical Machines - I
EE 412	Electrical Measuring Instruments & Instrumentation
EE 413	Electronics - II

EE 414	P.C. Maintenance & Repair
EE 415	Electrical Workshop Practice - II
EE 416	Entrepreneurial Awareness Camp

Semester V

Course Code	Course Title
EE 501	Electrical Mechanics - II
EE 502	Electrical power - I
EE 503	Industrial Electronics & Control of Derives
EE 504	Digital Electronics and Microprocessors
EE 505	Energy Management
Lab. Courses	
EE 511	Electrical Mechanics - II
EE 512	Industrial Electronics & Control of Derives
EE 513	Digital Electronics and Microprocessors
EE 514	Minor Project Work
EE 515	Industrial Training
EE 516	Personality Development Camp

Semester VI

Course Code	Course Title
EE 601	Utilization of Electrical Energy
EE 602	Programmable Logic Controllers (PLCs) & Microcontrollers
EE 603	Electrical Power - II
EE 604	Installation & Maintenance of Electrical Equipments
EE 605	Basics of Management
Lab. Courses	
EE 611	Programmable Logic Controllers (PLCs) & Microcontrollers
EE 612	Electrical Power - II
EE 613	Major Project Work
EE 614	Student Centred Activities

Mechanical Engineering

Semester III

Course Code	Course Title
ME 301	Thermodynamics - I
ME 302	Applied Mechanics
ME 303	Elements of Electrical & Electronics Engg.
ME 304	Workshop Technology - I
ME 305	Material Science
Lab. Courses	
ME 311	Thermodynamics - I
ME 312	Applied Mechanics
ME 313	Elements of Electrical & Electronics Engg.
ME 314	Workshop Technology - I
ME 315	Material Science
ME 316	Mechanical Engineering Drawing - I
ME 317	Ecology & Environmental Awareness Camp

Semester IV

Course Code	Course Title
ME 401	Metrology and quality Control
ME 402	Thermodynamics - II
ME 403	Strengths of Materials
ME 404	Workshop Technology - II
ME 405	Generic Skills & Entrepreneurship Development
Lab. Courses	
ME 411	Metrology and quality Control
ME 412	Thermodynamics - II
ME 413	Strengths of Materials
ME 414	Workshop Technology - II
ME 415	Mechanical Engg. Drawing - II
ME 416	Entrepreneurial Awareness Camp

Semester V

Course Code	Course Title
ME 501	Production Management
ME 502	Theory of Machines
ME 503	Hydraulics & Hydraulic Machines
ME 504	Manufacturing Technology
Lab. Courses	
ME 511	Hydraulics & Hydraulic Machines
ME 512	Manufacturing Technology
ME 513	Computer Aided Drafting & Drawing
ME 514	Minor Project Work
ME 515	Industrial Training Vacations after 4th Semester
ME 516	Personality Development Camp

Semester VI

Course Code	Course Title
ME 601	CNC Machines & Automation
ME 602	Machine Design
ME 603	Refrigeration & Air Conditioning
ME 604	Automobile Engg.
ME 605	Basics of Management
Lab Courses	
ME 611	CNC Machines & Automation
ME 612	Refrigeration & Air Conditioning
ME 613	Major Project Work
ME 614	Student Centred Activities

Civil Engineering

Semester III

Course Code	Course Title
CE 301	Fluid Mechanics
CE 302	Applied Mechanics
CE 303	Surveying - I
CE 304	Construction Materials
CE 305	Building Construction
Lab. Courses	
CE 311	Fluid Mechanics
CE 312	Applied Mechanics
CE 313	Surveying - I
CE 314	Construction Materials
CE 315	Civil Engineering Drawing - I
CE 316	Ecology and Environmental Awareness Camp

Semester IV

Course Code	Course Title
CE 401	Concrete Technology
CE 402	Water Supply & Waste Water Engg.
CE 403	Surveying - II
CE 404	Structural Mechanics
CE 405	Generic Skills & Entrepreneurship Development
Lab. Courses	
CE 411	Concrete Technology
CE 412	Water Supply & Waste Water Engg.
CE 413	Surveying - II
CE 414	Structural Mechanics
CE 415	Civil Engineering Drawing-II
CE 416	Entrepreneurial Awareness Camp

Semester V

Course Code	Course Title
CE 501	Reinforced Concrete Design
CE 502	Highway Engineering
CE 503	Railways, Bridges and Tunnels
CE 504	Soil and Foundation Engineering
CE 505	Irrigation Engineering
Lab. Courses	
CE 511	Highway Engineering
CE 512	Soil and Foundation Engineering
CE 513	Computer Applications in Civil Engg.
CE 514	Survey Camp
CE 515	Minor Project Work (Industry oriented)
CE 516	Personality Development Camp

Semester VI

Course Code	Course Title
CE 601	Steel Structures Design
CE 602	Earthquake Resistant Building Construction
CE 603	Quality Surveying & Valuation
CE 604	Construction Management & Accounts
CE 605	Repair and Maintenance of Buildings
Lab. Courses	
CE 611	Structural Drawing
CE 612	Major Project Work
CE 613	Student Centred Activities

Faculty

Principal

Er. Malik Mubasher Hassan

Civil Engineering

Mr. Showkat Maqbool
Mr. Atif Mehmood
Ms. Humera Gulshan
Ms. Zabina Anjum
Mr. Showket Ahmad Sheikh

Electrical Engineering

Mr. Mohd Rafiq
Mr. Shivinder Mehta
Ms. Anum Mukhtar
Mr. Monika Mitter

Electronics & Communication Engineering

Mr. Sahil Hameed
Mr. Amit Dusgotra

Mechanical Engineering

Mr. Mohd Mumtaz
Mr. Farooq Ahmed
Mr. Shakoor Ahmad

Applied Sciences

Mr. Anil Mani
Mrs. Rafia Khatoon
Ms. Princess Raina
Ms. Shireen Dar

Intake in each stream : 20 Seats
(University quota)

General	:	**15**
Self-Supporting	:	**05**

Intake in each stream : 40 Seats
(through BOPEE)

Eligibility for Admission

- Secondary School (Matriculation) Certificate from any recognized Board of School Education.
- Candidates appearing in the qualifying examination and those whose result of the same is awaited can also apply provisionally.

Procedure for Admission

- Admission to Diploma Engineering courses for University quota shall be made on the basis of Merit in the qualifying examination. While those allocated to BoPEE will be filled through Entrance Examination conducted by BoPEE.

Lateral Entry to Diploma Engineering

The University offers lateral admission to Diploma Engineering in 3rd semester to Industrial Training Institute (ITI) passouts in the following streams :

- **Civil Engineering**
- **Electrical Engineering**
- **Mechanical Engineering**
- **Electronics & Communication Engineering**

Eligibility for Admission : 10th pass with two years ITI Course in the relevant or allied branch or 12th pass with Physics, Chemistry & Mathematics.

S.No.	10th Pass + 2 years ITI experience	Desired Branch
1.	Draftsman Civil, Building Constructor (ITI Mason)	Civil Engineering
2.	Draftsman Electrical	Electrical / ECE
3.	Draftsman Mechanical / Fitter / Instrument Mechanic / Machinist / Mechanic Refrigeration and Air conditioner / Turner / Mechanic Motor Vehicle	Mechanical Engineering
4.	Electrician / Electronic Mechanic / Information Technology & Electronics System Maintenance / Mechanic Medical Electronics / Mechanic Consumer Electronics / Mechanic Industrial Electronics	E&C Engineering / Electrical Engineering
5.	Mechanic Radio and TV / Mechanic Computer Hardware	E&C Engineering
6.	10 + 2 pass (Mathematics, Physics and Chemistry)	Any appropriate

Procedure for Admission : The admission shall be made on the basis of marks secured in qualifying examination.

Intake: Number of vacant seats out of total sanctioned intake of 60. In case there are no vacant seats available the 15% of total sanctioned intake, which will be 15% of 60 = 9.

Fee structure: Course fee will be the same as charged from to the 3rd semester students initially admitted under BGSBU quota.

University Polytechnic

Fee Structure Per Semester		(For University Quota)	(For BOPEE Quota)
1.	Admission Fee	: Rs. 1,300/-	(As per BOPEE norms)
2.	Tuition Fee		
	i. Semester First	: Rs. 15,000/-	
	ii. Semester Second	: Rs. 15,000/-	
	iii. Semester Third	: Rs. 15,000/-	
	iv. Semester Fourth	: Rs. 15,000/-	
	v. Semester Fifth	: Rs. 15,000/-	
	vi. Semester Sixth	: Rs. 15,000/-	
3.	Career Counseling & Placement Assistance	: Rs. 1,000/-	
4.	Library Fee	: Rs. 900/-	
5.	Sports Fee	: Rs. 900/-	
6.	Science / Computer Lab. Fee	: Rs. 900/-	
7.	Laboratory Maintenance Fee	: Rs. 900/-	
8.	University Development Fund	: Rs. 900/-	
9.	University Corpus Fund	: Rs. 1,000/-	
10.	One Time Security (Refundable)	: Rs. 1,000/-	
11.	Self-Supporting Fee (One Time)		
	i. Diploma CE	: Rs. 60,000/-	
	ii. Diploma EE	: Rs. 40,000/-	
	iii. Diploma ME	: Rs. 40,000/-	
	iv. Diploma ECE	: Rs. 40,000/-	

School of Engineering & Technology

Vision

- To impart technical education and promote state-of-the-art research through cutting edge technologies that produce competent engineers and scientists of the contemporary world to serve the society while upholding the national Ethos.

Mission

- To Create a learning ambience that stimulate the students to enhance and improve their educational experience and technical skills in order to prepare them to work in a globally competitive environment in coherence with the national Ethos.

- To impart students with knowledge and skills and inculcate values that will enable them to excel in continuously changing world. The intent is to prepare each student realize his/her full potential as a human being.

- To provide state-of-the-art research and academic facilities to attract and retain qualified and competent faculty for enrichment of research and academic activities.

B. Tech. Programme

The University trains young men and women for careers in engineering. It offers learning environment to nurture talent and endeavors to promote innovation and develop professionalism in students. The School comprises five Engineering Departments which are listed below. All these are striving to become Centres of excellence by initiating research and promoting consultancy services.

- Department of Civil Engineering
- Department of Computer Science & Engineering
- Department of Electronics & Communication Engineering
- Department of Electrical Engineering
- Department of Information Technology & Engineering

The B. Tech. programmes of the University aim at generating technology enabled trained manpower to serve as engineers and successful entrepreneurs. Such gainfully employed young men and women will usher in economic transformation in the state. All B. Tech. programmes are approved by the All India Council of Technical Education (AICTE). Besides the general amenities available to all University students, the School of Engineering & Technology offers some extra amenities to its students which include:

Facilities Available:

School Library: The library has a large collection of engineering books, journals and newspapers. A separate Book Bank has been established which provides prescribed text books to students, particularly those belonging to socially disadvantaged classes.

Hi -Tech. Class rooms and Labs: Class rooms have latest infrastructure such as digital devices, OHP, etc. required for presentations. All laboratories are fully equipped for carrying out prescribed lab. work. The laboratories are modernized and at par with the expectations of the industry.

State-of-the-art Smart Class Rooms: In order to conduct on-line teaching programmes based on MOOCs courses, the college has established state-of-the-art smart class rooms equipped with wi-fi enabled interactive boards and video conferencing facilities.

MOOCs: Each student has to compulsorily pass two non-credit massive open online courses (MOOCs) under SWAYAM platform during four-year Engineering programme.

Industrial Relations: In order to focus on interaction with industry, an exclusive cell, called the Industry Institute Partnership Cell, has been set up which is the focal point of sustained relationship with industry for:

- consultancy programmes,
- industry specific training programmes,
- mentorship programme for students by Industry experts, and
- guest lectures and industrial visits.

Career Counseling & Placement Cell: The College has a separate Training & Placement Cell that helps students to achieve their goals. The Cell functions in tandem with the Centre for Enhancement of Employability Skills of the students.

World Bank / MHRD funded TEQIP III programme: The SoET has been sanctioned a handsome grant to improve the infrastructural facilities and achieve academic excellence in teaching & research. Under this programme, the following provisions have been made:

(i) All the laboratories have been refurnished with the state-of-the-art equipment to conduct teaching & research in recent cutting-edge areas.

(ii) Financial support for participation in Conference / Seminars / Workshops / Training programmes to students and the faculty.

(iii) GATE Examination fee of students is being reimbursed by the University.

(iv) GATE Coaching for 7th semester B.Tech. students is being conducted by highly Professional Experts with no fee being charged from students.

(v) Employability Skill Test is arranged to assess the employability skill of each students and based on the assessment of strength and weakness of each student, the Employability Skill Training programme is being conducted to make each student acquire employability skill to become competitive in job market.

(vi) Industry- Interaction and Internship Training programme are being conducted and all related expenditure are being reimbursed to students.

(vii) Regular lectures by Captains of Industry and eminent academicians are being organised to keep the students updated with frontal areas of Engineering & Technology.

(viii) Innovation Cell, Start-up Cells and Tinkering Labs. have been established to convert new innovations into prototype.

Department of Civil Engineering

The Civil Engineering was established in the year 2008. Initially the Department was working as support for other engineering branches and offered courses like Engineering Mechanics, Engineering Graphics and Strength of Materials, etc. for the first year students.

The Department started offering B.Tech. programme in Civil Engineering in the year 2008. A team of qualified faculty with ample experience is the highlight of the department. Also, Department started B.E. Evening programme from 2016.

The objective of B.Tech. / B.E. graduate programme in Civil Engineering is to provide the students good understanding of civil engineering solutions in a global, societal and environmental context, consistent with the principles of sustainable development. The course will make the students capable of identifying, formulating and solving civil engineering problems that meet specified performance, cost, time, safety and other equality needs and objectives with professional and ethical responsibility.

Vision

To produce Engineers having professional and leadership qualities to take up challenging assignments in Civil Engineering and allied fields in order to serve the society with high moral and ethical values.

Mission

- To produce highly competent Civil Engineers ready to participate in Industry-IV revolution.
- To promote quality education, cutting edge research and consultancy in Civil Engineering to contribute for society and nation building at large.
- To inculcate managerial skills, entrepreneurship and leadership qualities with high moral and ethical values.

Course Curriculum

Semester I

Course Code	Course Title
BSC-CE 101	Mathematics - I
ESC-CE 101	Basic Electrical Engineering
BSC-CE 102	Engineering Chemistry
BSC-CE 103	Engineering Physics
MC-CE 101	Environmental Science

Lab. Courses	Course Title
ESC-CE 111	Basic Electrical Engineering
BSC-CE 111	Engineering Chemistry
BSC-CE 112	Engineering Physics
ESC-CE 112	Engineering Graphics
MC-CE 111	Induction Training

Semester II

Course Code	Course Title
BSC-CE 201	Mathematics - II
ESC-CE 201	Basic Electronics
ESC-CE 202	Engineering Mechanics
HMSC-CE 201	Communication Skills
ESC-CE 203	Computer Fundamental & Programming
MC-CE 201	Indian Constitution

Lab. Courses	
ESC-CE 212	Engineering Mechanics
HMSC-CE 211	Communication Skills
ESC-CE 211	Basic Electronics Programming
ESC-CE 213	Fundamental & Programming
ESC-CE 214	Workshop Practice

Semester III

Course Code	Course Title
BSC-CE 301	Mathematics-III
PCC-CE 302	Introduction to Solid Mechanics
PCC-CE 303	Introduction to Fluid Mechanics
PCC-CE 304	Surveying & Geomatics

PCC-CE 305	Disaster Preparedness & Planning
BSC-CE 306	Biology & Life Sciences

Lab. Courses	Course Title
LC-CE 311	Solid Mechanics
LC-CE 312	Fluid Mechanics
LC-CE 313	Surveying

Semester IV

Course Code	Course Title
BSC-CE 401	Mathematics-IV
PCC-CE 402	Theory of Structures
PCC-CE 403	Hydraulics Engineering
PCC-CE 404	Engineering Geology
PCC-CE 405	Building Materials & Construction
PCC-CE 406	Civil Engg. Societal & Global Impact

Lab. Courses	Course Title
LC-CE 411	Hydraulics Engineering
LC-CE 412	Material Testing
LC-CE 413	Geology

Semester V

Course Code	Course Title
PCC-CE 501	Geotechnical Engineering
PCC-CE 502	Environmental Engineering
BSC-CE 306	Biology & Life Sciences

Lab. Courses	Course Title
LC-CE 311	Solid Mechanics
LC-CE 312	Fluid Mechanics
LC-CE 313	Surveying

Semester IV

Course Code	Course Title
BSC-CE 401	Mathematics-IV
PCC-CE 402	Theory of Structures
PCC-CE 403	Hydraulics Engineering
PCC-CE 404	Engineering Geology
PCC-CE 405	Building Materials & Construction
PCC-CE 406	Civil Engg. Societal & Global Impact

Lab. Courses	Course Title
LC-CE 411	Hydraulics Engineering
LC-CE 412	Material Testing
LC-CE 413	Geology

Semester V

Course Code	Course Title
PCC-CE 501	Geotechnical Engineering
PCC-CE 502	Environmental Engineering
PCC-CE 503	Design of Concrete Structures
PCC-CE 504	Estimation and Costing
PCC-CE 505	Concrete Technology
PCC-CE 506	Irrigation Engineering

Lab. Courses	Course Title
LC-CE 511	Geotechnical Engineering
LC-CE 512	Environmental Engineering
LC-CE 513	Computer Aided

Semester VI

Course Code	Course Title
PCC-CE 601	Transportation Engineering
PCC-CE 602	Hydrology & Water Resources Engg.
PCC-CE 603	Design of Steel Structures
PCC-CE	PEC-I
PCC-CE	PEC-II
OEC-CE	OEC-I

Lab. Courses	Course Title
LC-CE 611	Transportation Engineering
LC-CE 612	Seminar
LC-CE 613	Survey Camp

Semester VII

Course Code	Course Title
PROJ-CE 701	Project -I
PEC-CE	PEC Elective -III
PEC-CE	PEC Elective - IV
PEC-CE	PEC Elective - V
OEC-CE	Open Elective-II

Lab. Courses	Course Title
LC-CE 711	Industrial Training
LC-CE 712	STAAD Pro
PEC- III	
PEC-CE 741	Foundation Engineering
PEC-CE 742	Construction Equipment and Automation
PEC-CE 743	Open Channel Flow
PEC-CE 744	Rural Construction Technology
PEC- IV	
PEC-CE 745	Prestressed Concrete and Bridge Design
PEC-CE 746	Traffic Engineering and Management
PEC-CE 747	Air and Noise Pollution and Control
PEC-CE 748	Rock Mechanics
PEC-CE 749	Flood Control and River Engineering
PEC- V	
PEC-CE 751	Structures Design
PEC-CE 752	Port and Harbour Engineering

PEC-CE 753	Ground Improvement Techniques
PEC-CE 754	Transport Planning & Management
PEC-CE 755	Solid and Hazardous Management
OEC- II	
OEC-CE 761	Professional Ethics in Engineering
OEC-CE 762	Biological Process for Contaminant Removal
OEC-CE 763	Space sciences & Origin of Universe
OEC-CE 764	Media & Society
PEC- I	
PEC-CE 641	Construction Engg. & Management
PEC-CE 642	Payment Material & Geometric Design of Highway
PEC-CE 643	Advance Soil Mechanics
PEC-CE 644	Design of Hydraulic Structures
PEC-CE 645	Rural Water Supply and Onsite Sanitation System
PEC-CE 646	Professional Practice and Ethics
PEC-CE 647	Construction Practice and Project Planning
PEC-CE 648	Industrial Waste Treatment
PEC-CE 649	Highway Construction and Pavement Design
PEC-CE 650	Tunnel Engineering
OEC- I	
OEC-CE 661	Contracts Management
OEC-CE 662	Pipeline Engineering
OEC-CE 663	Cyber Law and Ethics
OEC-CE 664	Fundamentals of Entrepreneurship

Semester VIII

Course Code	**Course Title**
PROJ-CE 831	Project- II
PEC-CE	PEC Elective -VI
PEC-CE	PEC Elective -VII
OEC-CE	Open Elective - III
OEC-CE	Open Elective - IV
PEC-VI	
PEC-CE 841	Earthquake geotechnical Engineering
PEC-CE 842	Earthquake Engineering
PEC-CE 843	Ground Water Hydrology
PEC-CE 844	Natural Disaster Mitigation and Management
PEC-CE 845	Architecture and Town Planning
PEC-VII	
PEC-CE 846	Geographical Information System and Science
PEC-CE 847	Structural Geology
PEC-CE 848	Water Resources Field Methods
PEC-CE 849	Environmental Impact Assessment
PEC-CE 850	Industrial Structures

Faculty	Designation	Qualification
• Prof. Asif Husain	**Dean**	M. Tech., Ph. D.
• Mr. Vaseem Ahmed		M. Tech., Ph. D. Pursuing
• Mr. Zishan Aslam	**Head of the Department**	M. Tech.
• Mr. Pervez Alam		M. Tech., Ph. D. Pursuing
• Mr. Shahid-Ul-Islam		M. Tech.
• Dr. Nasir A. Rather		Ph. D.
• Mr. Ameer Ullah Ganai		M. Tech., Ph. D. Pursuing
• Mr. Najim Ali		M. Tech.
• Mr. Satya Parkash		M. Tech., Ph. D. Pursuing
• Mr. Sayed Sadulla Ahmed		M. Tech., Ph. D. Pursuing
• Mr. Satyam Vishwakarma		M. Tech.

Department of Computer Science & Engineering

The Department of Computer Science and Engineering at the School of Engineering & Technology was started in 2007. The aim of the Department is to strive for better and best accomplishment, so that students become responsible citizens, competent professionals and leading innovators. The Department is contributing to the social needs of the society and ensuring sustainable development of the nationally as well as globally.

The curriculum is designed in such a way that students are well equipped to understand and tackle problems from industry and academia. Most of students go for internships at various companies during their summer vocations.

Vision

To be a centre of excellence for providing a conducive educational environment in order to make students competent computer professionals, leading innovators, and responsible citizens.

Mission

- To provide quality education to meet the needs of profession and society.
- To be one of the leading Computer Science and Engineering Department in the state.
- To connect the Peer Panjal region to urban India via technology-centric computer skills.
- To encourage students to be self-motivated, innovative and problem- solver so as to become a successful entrepreneur.
- To provide a cordial environment to the faculty, in order to utilize their mettle.

Course Curriculum

Semester I

Course Code	Course Title
BSC-CSE 101	Mathematics - I
ESC-CSE 101	Basic Electrical Engineering
BSC-CSE 102	Engineering Chemistry
BSC-CSE 103	Engineering Physics
MC-CSE 101	Environmental Science

Lab. Courses	Course Title
ESC-CSE 111	Basic Electrical Engineering
BSC-CSE 111	Engineering Chemistry
BSC-CSE 112	Engineering Physics
ESC-CSE 112	Engineering Graphics
MC-CSE 111	Induction Program

Semester II

Course Code	Course Title
BSC-CSE 201	Mathematics - II
ESC-CSE 201	Basic Electronics
BSC-CSE 202	Engineering Mechanics
HMSC-CSE 201	Communication Skills
ESC-CSE 203	Computer Fundamental & Programming
MC-CSE 201	Indian Constitution

Lab. Courses	
ESC-CSE 211	Basic Electronics
HMSC-CSE 211	Communication Skills
ESC-CSE 212	Engineering Mechanics
ESC-CSE 213	Computer Fundamentals & Programming
ESC-CSE 214	Workshop Practice

Semester III

Course Code	Course Title
BSC-CSE 301	Mathematics-III
PCC-CSE 301	Data Structures with C
PCC-CSE 302	Object Oriented Prog. using C++
PCC-CSE 303	Software Engineering
ESC-CSE 301	Digital Logic Design
HSMC-CSE 301	Entrepreneurship Development & Management

Lab. Courses

PCC-CSE 311	Data Structures with C
PCC-CSE 312	Object Oriented Prog. using C++
ESC-CSE 311	Digital Logic Design

Semester IV

Course Code	Course Title
PCC-CSE 401	Discrete Mathematics
PCC-CSE 402	Python Programming
PCC-CSE 403	Computer Organization & Architecture
PCC-CSE 404	Database Management System
PCC-CSE 405	Operating System
HSMC-CSE 401	Management Information System

Lab. Courses

PCC-CSE 411	Python Programming
PCC-CSE 412	Database Management System
PCC-CSE 413	Operating System

Semester V

Course Code	Course Title
PCC-CSE 501	Theory of Automata
PCC-CSE 502	Computer Networks
PCC-CSE 503	Java Programming
PCC-CSE 504	Microprocessors and Interfacing
MC-CSE 501	Cyber Crime and Laws
OEC-CSE 5XX	Open Elective - I

Lab. Courses

PCC-CSE 511	Computer Networks
PCC-CSE 512	Java Programming
PCC-CSE 513	Microprocessors and Interfacing
PROJ-CSE 501	Industrial Training - I

OEC-I

OEC-CSE 501	Introduction to Fluid Mechanics
OEC-CSE 502	Estimating and Costing
OEC-CSE 503	Consumer Electronics
OEC-CSE 504	Mobile and Wireless Communication
OEC-CSE 505	Engineering Material Science

Semester VI

Course Code	Course Title
PCC-CSE 601	Compiler Design
PCC-CSE 602	Computer Graphics & Multimedia
PCC-CSE 603	Design & Analysis of Algorithms
PEC-CSE 6XX	Elective-I
PEC-CSE 6XX	Elective-II
OEC-CSE 6XX	Open Elective-II

Lab. Courses

PCC-CSE 611	Compiler Design
PCC-CSE 612	Computer Graphics & Multimedia
PROJ-CSE 611	Minor Project

PEC-I

PEC-CSE 601	Advanced Java
PEC-CSE 602	Unix/Linux & Shell Programming
PEC-CSE 603	R-Programming

PEC-II

PEC-CSE 606	Computer Based Numerical Techniques
PEC-CSE 607	Internet and Web Technology
PEC-CSE 608	Grid Computing

Open Elective - II

OEC-CSE 601	Disaster Management
OEC-CSE 602	Tunnel Engineering
OEC-CSE 603	Electronic Workshop Technology
OEC-CSE 604	CMOS VLSI Design
OEC-CSE 605	Renewable Energy Sources
OEC-CSE 606	Power System-I

Semester VII

Course Code	Course Title
PCC-CSE 701	Fundamentals of Digital Image Processing
PCC-CSE 702	Artificial Intelligence
PCC-CSE 7XX	Elective-III
PCC-CSE 7XX	Elective-IV
OEC-CSE 7XX	Open Elective-III

Lab. Courses

PCC-CSE 711	Fundamentals of Digital Image Processing
PCC-CSE 701	Major Project Phase-I based on Software Engineering
PROJ-CSE 711	Industrial Training - II

PEC-III

PEC-CSE 701	Cryptography & Network Security
PEC-CSE 702	Internet of Things
PEC-CSE 703	Distributed Computing

PEC-IV

PEC-CSE 707	Advanced Multimedia System
PEC-CSE 708	Cloud Computing
PEC-CSE 709	Fault Tolerant Computing
PEC-CSE 710	Project Management System

Open Electives - III

OEC-CSE 701	Introduction to Solid Mechanics
OEC-CSE 702	Surveying and Geomatics
OEC-CSE 703	8051 Microcontroller
OEC-CSE 704	Bio Inspired Engineering
OEC-CSE 705	Energy Audit and Management
OEC-CSE 706	Electrical Machine -I

Semester VIII

Course Code	Course Title
PROJ-CSE 801	Major Project Phase-II
PEC-CSE 8XX	**Elective -V**
OEC-CSE 8XX	**Elective -IV**

PEC- V

PEC-CSE 801	Advanced Computer Architecture
PEC-CSE 802	Expert System
PEC-CSE 803	System Software
PEC-CSE 804	Green Computing

PEC-IV

OEC-CSE-801	Hydropower Engineering
OEC-CSE-802	Engineering Geology
OEC-CSE-803	Nano Technology
OEC-CSE-804	Biomedical Instrumentation
OEC-CSE-805	Solar Photovoltaic System
OEC-CSE-806	Electrical Measurement -I
OEC-CSE-807	Power Engineering

Odd Semester's Open Elective Courses

PCC-CSE 301	Data Structures with C
PCC-CSE 302	Object Oriented Progamming using C++
PCC-CSE 502	Computer Networks
PCC-CSE 701	Fundamentals of Digital Image Processing
PCC-CSE 702	Artificial Intelligence
PEC-CSE 702	Internet of Things
PEC-CSE 705	Natural Language Processing
PEC-CSE 706	Embedded System
PEC-CSE 708	Cloud Computing
PEC-CSE 710	Project Management System
PEC-CSE 711	Big Data Analysis
PEC-CSE 712	Real Time Operating System

Even Semester's Open Elective Courses

PCC-CSE 403	Computer Organization & Architecture
PCC-CSE 405	Operating System
PCC-CSE 602	Computer Graphics & Multimedia
PEC-CSE 606	Computer Based Numerical Techniques
PEC-CSE 607	Internet and Web Technology
PEC-CSE 610	Data Mining and Data Warehousing
PEC-CSE 611	Wireless Networks
PEC-CSE 803	System Software
PEC-CSE 804	Green Computing
PEC-CSE 805	Mobile Computing
PEC-CSE 806	Neural Networks
PEC-CSE 807	Pattern Recognition
PEC-CSE 808	Bio-Informatics

Faculty	Designation	Qualification
• Prof. Asif Husain	**Dean**	M. Tech., Ph. D.
• Mr. Khalil Ahmed	**Head of the Department**	M. Tech.
• Mr. Amit Dogra		M. Tech., Ph. D. Pursuing
• Ms. Rukhsana Thaker		M. Tech.
• Mr. Mohd Saleem		M. Tech.
• Mr. Sparsh Sharma		M. Tech., Ph. D. Pursuing
• Mr. Aditya Gupta		M. Tech.
• Mr. Prabal Verma		M. Tech., Ph. D. Pursuing
• Mr. Gourav Sharma		M. Tech.
• Mr. Srinu Bhanot		M. Tech.
• Mr. Touseef Ayoub		M. Tech., Ph. D. Pursuing

Department of Electronics & Communication Engineering

The Department of Electronics & Communication Engineering, established in the year 2007 as one of the core Departments of the School of Engineering & Technology, is concerned with the design, development and application of electronic devices, circuits and systems. The Department currently runs B. Tech. programme in Electronics & Communication Engineering. The Department imparts practical learning among the students to make them aware about the latest technological advances in the field of electronics and communication engineering.

Vision

To be a premier Department in the field of Electronics and Communication Engineering that produces competent professionals, endowed with high quality knowledge and skills for the well-being of society.

Mission

- To enrich young minds with the advances in Electronics and Communication Engineering in order to address real time problems while considering the technical, environmental and socio-economic issues.
- To empower students with state of the art technologies to cope with ever emerging industry challenges.
- To impart leadership skills and professional ethics to students in order to apply technology for the betterment of society.
- To build the foundation based on technical and analytical skills for pursuing advanced degrees.

Course Curriculum

Semester I

Course Code	Course Title
BSC-ECE 101	Mathematics - I
ESC-ECE 101	Basic Electrical Engineering
HSMC-ECE 101	Communication Skills
BSC-ECE 102	Engineering Graphics
ESC-ECE 103	Computer Fundamentals & Programming
MC-ECE 101	Indian Constitution

Lab. Courses	Course Title
ESC-ECE 111	Basic Electrical Engineering
HSMC-ECE 111	Communication Skills
ESC-ECE 112	Engineering Mechanics
ESC-ECE 113	Computer Fundamental & Programming
ESC-ECE 114	Workshop Practice
MC-ECE 111	Induction Program

Semester II

Course Code	Course Title
BSC-ECE 201	Mathematics - II
ESC-ECE 201	Basic Electronics
BSC-ECE202	Engineering Physics
BSC-ECE 203	Engineering Chemistry
MC-ECE 201	Environmental Science

Lab. Courses	
ESC-ECE 211	Basic Electronics
BSC-ECE 211	Engineering Physics
BSC-ECE 212	Engineering Chemistry
ESC-ECE 212	Engineering Graphics

Semester III

Course Code	Course Title
BSC-ECE 301	Mathematics-III
PCC-ECE 301	Network Analysis & Synthesis
PCC-ECE 302	Advanced Electronic Circuit
PCC-ECE 303	Signals & Systems
PCC-ECE 304	Digital Electronics
HSMC-ECE 301	Disaster Management

Lab. Courses	
PCC-ECE 311	Advanced Electronic Circuits
PCC-ECE 312	Digital Electronics
PCC-ECE 313	Network Analysis

Semester IV

Course Code	Course Title
BSC-ECE 401	Numerical Techniques
PCC-ECE 401	Solid State Electronic Devices
PCC-ECE 402	Linear Control Systems
PCC-ECE 403	Analog Communication Systems
PCC-ECE 404	Linear Integrated Circuits & Pulse Switching
PCC-ECE 405	Electronic Measurements & Instrumentation

Lab. Courses

PCC-ECE 411	Linear Control Systems
PCC-ECE 412	Analog Communication Systems
PCC-ECE 413	Linear Integrated Circuits

Semester V

Course Code	Course Title
PCC-ECE 501	Introduction to Microprocessors
PCC-ECE 502	Digital Communication Systems
PCC-ECE 503	EM Wave Theory
PCC-ECE 504	Computer Organization & Architecture
PEC-ECE 5XX	Professional Elective - I
OEC-ECE 5XX	Open Elective - I

Lab. Courses

PCC-ECE 511	Microprocessor
PCC-ECE 511	Digital Communication Systems
PCC-ECE 511	Modeling & Simulation

Semester VI

Course Code	Course Title
PCC-ECE 601	Digital Signal Processing
PCC-ECE 602	Microcontroller & Embedded Systems
PCC-ECE 603	Antenna & Wave Propagation
PEC-ECE 60X	Professional Elective - II
PEC-ECE 60X	Professional Elective - III
OEC-ECE XXX	Open Elective - II

Lab. Courses

PCC-ECE 611	Digital Signal Processing
PCC-ECE 612	Microcontroller & Embedded Systems
PCC-ECE 613	Antenna

Semester VII

Course Code	Course Title
PCC-ECE 701	RF & Microwave Engineering
PEC-ECE 70X	Professional Elective-IV
PEC-ECE 70X	Professional Elective-V
HSMC-ECE 701	Entrepreneurship Development & Management
OEC-ECE 70X	Open Elective - III
PROJ-ECE 701	Major Project Phase - I

Lab. Courses

PCC-ECE 711	Microwave Engineering / Optical Communication
PCC-ECE 712	PCB and Trouble Shooting
PROJ-ECE 711	Industrial Training / Seminar

Semester VIII

Course Code	Course Title
PCC-ECE 801	Major Project Phase - II
PEC-ECE 80X	Professional Elective - VI
OEC-ECE 80X	Open Elective - IV

Professional Elective Courses

PEC-ECE 501	Industrial Electronics
PEC-ECE 502	Electronic Multimedia Engineering
PEC-ECE 503	Smart Material Systems & MEMS
PEC-ECE 504	Engineering Material Science
PEC-ECE 601	Mobile & Wireless Communication
PEC-ECE 602	VLSI Design
PEC-ECE 603	Electrical Machines
PEC-ECE 604	Data Communication & Computer Networks
PEC-ECE 605	Optoelectronic Devices
PEC-ECE 606	Non-Convential Energy Sources
PEC-ECE 607	Power Electronics
PEC-ECE 701	Device Modeling for Circuit Simulations
PEC-ECE 702	Advanced 3G & 4G Wireless & Mobile Communication
PEC-ECE 703	Satellite Communication
PEC-ECE 704	Optical Communication
PEC-ECE 705	Random Process & Information Theory
PEC-ECE 706	Radar Engineering
PEC-ECE 707	Biomedical Instrumentation
PEC-ECE 708	Analog and Mixed Signal Design
PEC-ECE 801	RF IC Design
PEC-ECE 802	Adaptive Signal Processing
PEC-ECE 803	Digital Image Processing
PEC-ECE 804	Advanced Communication Systems
PEC-ECE 805	Digital System Design
PEC-ECE 806	Nanotechnology
PEC-ECE 807	Optical Networks

Open Elective Courses

OEC-ECE 101	Object Oriented Programming
OEC-ECE 102	Operating Systems
OEC-ECE 103	Power Engineering
OEC-ECE 104	Simulation and Modeling
OEC-ECE 105	Bio-Informatics
OEC-ECE 106	Introduction to Solid Mechanics
OEC-ECE 201	Neural Networks
OEC-ECE 202	Wireless Networks
OEC-ECE 203	Energy Audit and Management
OEC-ECE 204	Computer Graphics & Multimedia
OEC-ECE 205	Discrete Mathematics
OEC-ECE 206	Disaster Management

OEC-ECE 301	Artificial Intelligence
OEC-ECE 302	Natural Language Processing
OEC-ECE 303	Mobile Computing
OEC-ECE 304	Power Systems - I
OEC-ECE 305	Web Technologies
OEC-ECE 306	Hydropower Engineering
OEC-ECE 401	Internet of Things
OEC-ECE 402	Cloud Computing
OEC-ECE 403	Project Management system
OEC-ECE 404	Green Computing
OEC-ECE 405	Renewable Energy Sources
OEC-ECE 406	Linux Administrator
OEC-ECE 407	Data Mining & Warehousing
OEC-ECE 408	Green Building

Faculty	Designation	Qualification
• Prof. Asif Husain	**Dean**	M. Tech., Ph. D.
• Mr. Vishal Puri	**Head of the Department**	M. Tech, Ph. D. Pursuing
• Mr. Mehmood-ul-Hussan		M. Tech. Pursuing
• Mr. Haider Mehraj		M. Tech., Ph. D. Pursuing
• Mr. Arashid Ahmad Bhat		M. Tech.
• Mr. Mohammad Abas Malik		M. Tech.
• Dr. Farkhanda Ana		M. Tech., Ph. D.
• Mr. Junaid Farooq War		M. Tech.
• Ms. Nisha Gupta		M. Tech.
• Mr. Manik Groach		M. Tech.
• Ms. Shaveta Gupta		M. Tech.
• Mr. Suhaib Ahmed Batt		M. Tech., Ph. D. Pursing
• Mr. Mohammad Rafi Lone		M. Tech., Ph. D. Pursuing

Department of Electrical Engineering

The Department of Electrical Engineering (EE) is constituent Department of School of Engineering & Technology (SoET) and has become one of the premier learning Department in the field of Electrical Engineering. More than 200 future engineers from different parts of the Country are currently enrolled. Various Workshops, Seminars, Industrial interactions, Short-Term Courses, etc. are held in the Department throughout the year involving academic and industry experts. Various courses offered by the Department are:

- B.Tech. in Electrical Engineering
- B.E. (Evening) in Electrical Engineering
- Ph.D. in Electrical Engineering

Vision

To become front-runners in bringing out globally competent Electrical Engineers, innovators, researchers and entrepreneurs to address the challenges of the millennium.

Mission

- To provide the state of art teaching learning facilities to the students and faculty members aligned with changing industrial needs.
- To train young minds with profound knowledge and positive mind set.
- To create niche of research minded engineers, researchers and entrepreneurs from the parts of the country.
- To become one of the premier source of knowledge aligned with latest advances in Electrical Engineering especially in the Pir Panjal range of Jammu & Kashmir.

Course Curriculum

Semester I

Course Code	Course Title
BSC-EE 101	Mathematics -I
ESC-EE 101	Basic Electrical Engineering
HSMS-EE 101	Communications Skills
ESC-EE 102	Engineering Mechanics
ESC-EE 103	Computer Fundamentals & Programming
MC-EE 101	Indian Constitution

Lab. Courses	Course Title
ESC-EE 111	Basic Electrical Engineering
HSMS-EE 111	Communications Skills
ESC-EE 112	Engineering Mechanics
ESC-EE 113	Computer Fundamentals & Programming
ESC-EE 114	Workshop Practice
MC-EE 111	Induction Program

Semester II

Course Code	Course Title
BSC-EE 201	Mathematics -II
ESC-EE 201	Basic Electronic Engineering
BSC-EE 202	Engineering Physics
BSC-EE 203	Engineering Chemistry
MC- EE 201	Environmental Science

Lab. Courses	
ESC-EE 211	Basic Electronics
BSC-EE 212	Engineering Physics
BSC-EE 213	Engineering Chemistry
ESC-EE 212	Engineering Graphics

Semester III

Course Code	Course Title
BSC-EE 301	Mathematics-III
PCC-EE 301	EM Field Theory
PCC-EE 302	Electrical Machines- I
PCC-EE 303	Network Analysis & Synthesis
PCC-EE 304	Biosciences
PCC-EE 305	Analog Electronics

Lab. Courses	
PCC-EE 311	Electrical Machines- I
PCC-EE 312	Network Analysis & Synthesis
PCC-EE 313	Analog Electronics

Semester IV

Course Code	Course Title
BSC-EE 401	Numerical Techniques
PCC-EE 401	Renewable Energy Sources
PCC-EE 402	Digital Electronics
PCC-EE 403	Power System - I
PCC-EE 404	Electrical Machines -II
PCC-EE 405	Electrical Measurements - I

Lab. Courses

PCC-EE 411	Digital Electronics
PCC-EE 412	Electrical Machines -II
PCC-EE 413	Renewable Energy Sources

Semester V

Course Code	Course Title
PCC-EE 501	Power System-II
PCC-EE 502	Signal & Systems
PCC-EE 503	Control System
PCC-EE 504	Electrical Measurement - II
PEC-EE (---)	Professional Elective - I
OEC-EE (---)	Open Elective - I

Lab. Courses

PCC-EE 511	Power System
PCC-EE 512	Electrical & Electronic Measurement
PCC-EE 513	Control System
PROJ-EE 511	Industrial Training - I

Semester VI

Course Code	Course Title
PCC-EE 601	Power Electronics
PCC-EE 602	Microprocessor & Interfacing
PCC-EE 603	Design of Power Apparatus
PCC-EE (---)	Professional Elective - II
PCC-EE (---)	Professional Elective - III
OEC-EE (---)	Open Elective - II

Lab. Courses

PCC-EE 611	Power Electronics
PCC-EE 612	MATLAB & Machine Design
PCC-EE 613	Microprocessor & Interfacing

Semester VII

Course Code	Course Title
PCC-EE 701	Electrical Drives
PCC-EE 702	Power System Protection
PROJ-EE 701	Minor Project
PEC-EE (---)	Professional Elective - IV
PEC-EE (---)	Professional Elective - V
OEC-EE (---)	Open Elective - III

Lab. Courses

PCC-EE 711	Power System Protection
PCC-EE 712	Advanced Microcontroller
PORJ-EE 711	Seminar
PROJ-EE 712	Industrial Training -II
PCC-EE 713	Electrical Drives

Semester VIII

Course Code	Course Title
HSMC-EE 801	Entrepreneurship Development & Management
PROJ-EE 801	Major Project
PEC -EE (---)	Professional Elective - VI
OEC-EE (---)	Open Elective -IV

Professional Electives I-VI

PEC-EE 01	Wind & Solar Energy systems
PEC-EE 02	Line Commutated & Active Rectifies
PEC-EE 03	Energy Audit and Management
PEC-EE 04	Electrical & Hybrid Vehicles
PEC-EE 05	EHV AC & DC Transmission
PEC-EE 06	Power Quality and FACTS
PEC-EE 07	High Voltage Engineering
PEC-EE 08	Industrial Electrical Systems
PEC-EE 09	Digital Signal Processing
PEC-EE 10	Electromagnetic Waves
PEC-EE 11	Control Systems Design
PEC-EE 12	Power Engineering
PEC-EE 13	Electric Substation Design
PEC-EE 14	Restructuring of Power System
PEC-EE 15	Energy Economics & Planning
PEC-EE 16	Microcontroller & Interfacing
PEC-EE 17	Virtual Instrumentation
PEC-EE 18	Optimization Techniques
PEC-EE 19	Power Semiconductor Controllers
PEC-EE 20	Communication System
PEC-EE 21	Power System Transients
PEC-EE 22	Neural Networks Fuzzy Systems
PEC-EE 23	Disaster Management
PEC-EE 24	Computers in Medicine
PEC-EE 25	Engineering Material Science

Open Electives I-IV

OEC-EE 01	Consumer Electronics
OEC-EE 02	Mobile & Wireless Communication
OEC-EE 03	Embedded Systems
OEC-EE 04	8051 Microcontroller
OEC-EE 05	Bio Inspired Engineering
OEC-EE 06	Electronic Workshop Technology
OEC-EE 07	Nanotechnology
OEC-EE 08	CMOS VLSI Design
OEC-EE 09	Biomedical Instrumentation

OEC-EE 10	Data Structures with C
OEC-EE 11	Object Oriented Programming
OEC-EE 12	Computer Networks
OEC-EE 13	Operating Systems
OEC-EE 14	Fundamentals of Digital Image Processing
OEC-EE 15	Artificial Intelligence
OEC-EE 16	Internet of Things
OEC-EE 17	Natural Language Processing
OEC-EE 18	Cloud Computing
OEC-EE 19	Project Management System
OEC-EE 20	Real Time Operating System
OEC-EE 21	Computer Organization & Archit.
OEC-EE 22	Computer Graphics & Multimedia
OEC-EE 23	Computer based Numerical Techniques

OEC-EE 24	Internet & Web Technology
OEC-EE 25	Data Warehousing & Data Mining
OEC-EE 26	Wireless Networks
OEC-EE 27	System Software
OEC-EE 28	Green Computing
OEC-EE 29	Mobile Computing
OEC-EE 30	Neural Networks
OEC-EE 31	Pattern Recognition
OEC-EE 32	Bio-Informatics
OEC-EE 33	Hydropower Engineering
OEC-EE 34	Engineering Geology
OEC-EE 35	Tunnel Engineering
OEC-EE 36	Introduction to Solid Mechanics
OEC-EE 37	Introduction to Fluid Mechanics
OEC-EE 38	Surveying & Geomatics
OEC-EE 39	Estimating & Costing

Faculty	Designation	Qualification
• Prof. Asif Husain	**Dean**	M. Tech., Ph. D.
• Mr. Tussadaq Hussain		M. Tech., Ph. D. Pursuing
• Mr. Shafqat Nabi Mughal	**Head of the Department**	M. Tech., Ph. D. Pursuing
• Mr. Ahmed Riyaz		M. Tech., Ph. D. Pursuing
• Dr. Vinod Puri		M. Tech., Ph. D.
• Mr. Qamar ul Islam		M. Tech.
• Mr. Muzzafer Hussain		M. Tech.
• Ms. Ankita Runani		M. Tech.
• Mr. Ch. Mohd Yassar Arfat		M. Tech.
• Mr. Neetan Sharma		M. Tech., Ph. D. Pursuing
• Mr. Ashish Kumar		M. Tech.
• Mr. Mukesh Kumar		M. Tech.
• Mr. Pankaj Kumar		M. Tech., Ph. D. Pursuing
• Mr. Gourav Kumar		M. Tech.

Department of Information Technology & Engineering

The Department of Information Technology and Engineering (ITE) was established in 2007 and is one of the pioneer Departments of School of Engineering & Technology. Presently, the Department offers B.Tech. programme of 4 years duration. Keeping in view the global scenario of information and technology, the syllabi are timely updated with reference to the current needs, requirements and technological advances.

The students are acquainted broadly with the knowledge based on the field of Information Technology including its evaluation, current trends and future directions. The Department strives to inculcate the requisite skills in the students and provide overall knowledge to them, so as to mould them into competent engineers.

Vision

To produce creative and competent IT professionals recognized for innovation, excellence and ethical application of technology to address the societal needs.

Mission

- To provide platform with ambience and state-of-the-art infrastructure for quality technical education in coherence with high moral values.
- To nurture innovative and entrepreneurial skills in students for creating self employment ventures by making use of digital technology.
- To introduce emerging technologies in curriculum to bridge the gap between academia and industry.
- To support the state in e-governance by providing competent IT professionals.

Course Curriculum

Semester I

Course Code	Course Title
BSC-ITE 101	Mathematics-I
ESC-ITE 101	Basic Electrical Engineering
BSC-ITE 102	Engineering Chemistry
BSC-ITE 103	Engineering Physics
MC-ITE 101	Environmental Science
Lab. Courses	**Course Title**
ESC-ITE 111	Basic Electrical Engineering
BSC-ITE 111	Engineering Chemistry
BSC-ITE 112	Engineering Physics
ESC-ITE 112	Engineering Graphics
PROJ-ITE 111	Induction Program

Semester II

Course Code	Course Title
BSC-ITE 201	Mathematics -II
ESC-ITE 201	Basic Electronics
ESC-ITE 202	Engineering Mechanics
HSMC-ITE 201	Communication Skills
ESC-ITE 203	Computer Fundamentals & Prog.
MC-ITE 201	Indian Constitution
Lab. Courses	
ESC-ITE 212	Engineering Mechanics
HSMC-ITE 211	Communication Skills
ESC-ITE 211	Basic Electronics
ESC-ITE 213	Programming for Problem solving
ESC-ITE 214	Workshop Practice

Semester III

Course Code	Course Title
BSC-ITE 301	Mathematics - III
ESC-ITE 301	Digital Logic Design
ESC-ITE 302	Digital Communication
PCC-ITE 301	Data Structures using C
PCC-ITE 302	Object Oriented Programming
HSMC-ITE 301	Human Values & Prof. Ethics

Lab. Courses

PCC-ITE 311	Data Structures using C
PCC-ITE 312	Object Oriented Programming
ESC-ITE 311	Digital Logic Design

Semester IV

Course Code	Course Title
PCC-ITE 401	Operating System
PCC-ITE 402	Computer Organization & Architecture
PCC-ITE 403	Design & Analysis of Algorithms
PCC-ITE 404	Discrete Mathematics
PCC-ITE 405	Computer Networks
HSMC-ITE 401	Principles of Marketing & Management

Lab. Courses

PCC-ITE 413	Design & Analysis of Algorithms
PCC-ITE 415	Computer Networks

Semester V

Course Code	Course Title
OEC-ITE 50X	Open Elective Course - I
PEC-ITE 50X	Professional Elective Course - I
PCC-ITE 501	Theory of Automata
PCC-ITE 502	Internet & Web Technologies
PCC-ITE 503	Software Engineering
PCC-ITE 504	DBMS

Lab. Courses

PCC-ITE 512	Internet & Web Technologies
PCC-ITE 513	Software Engineering
PCC-ITE 514	DBMS
SI-ITE 501	Industrial Training

Semester VI

Course Code	Course Title
OEC-ITE 60X	Open Elective Course - II
PEC-ITE 60X	Professional Elective - II
PEC-ITE 60X	Professional Elective - III
POC-ITE 601	Image Processing
PCC-ITE 602	Network Security
PCC-ITE 603	Java Programming

Lab. Courses

PCC-ITE 611	Image Processing
PCC-ITE 612	Java Programming
SI-ITE 601	Seminar

Semester VII

Course Code	Course Title
OEC-ITE 10X	Open Elective Courses - III
PEC-ITE 70X	Professional Elective Courses - IV
PCC-ITE 701	Software Testing
PROJ-ITE 701	Minor Project
SI-ITE 701	Summer Internship -II

Lab. Courses

PCC_ITE 701	Software Testing

Semester VIII

Course Code	Course Title
PCC-ITE 80X	Professional Elective courses - V
PEC-ITE 80X	Professional Elective courses - VI
PROJ-ITE 802	Major Project

Professional Elective Courses I-VI

PEC-ITE T01	Compiler Design
PEC-ITE T02	Graph Theory
PEC-ITE T03	Advanced Algorithms
PEC-ITE T04	Parallel Algorithms
PEC-ITE T05	Distributed Systems
PEC-ITE T06	Simulation & Modeling
PEC-ITE S01	Advanced Computer Architecture
PEC-ITE S02	Software Project Management
PEC-ITE S03	Embedded Systems
PEC-ITE S04	Real Time Systems
PEC-ITE S05	Internet of Things
PEC-ITE D01	Artificial Intelligence
PEC-ITE D02	Pattern Recognition
PEC-ITE D03	Machine Learning
PEC-ITE D04	Data Mining & Warehosuing
PEC-ITE D05	Data Analytic
PEC-ITE D06	Deep Learning
PEC-ITE D07	R Language
PEC-ITE D08	Python Programming
PEC-ITE A01	Biometrics & Network Security
PEC-ITE A02	Information Security
PEC-ITE A03	UNIX/LIUNX Shell Programming
PEC-ITE A04	Computer Graphics & Multimedia
PEC-ITE A05	Cloud Computing
PEC-ITE A06	Wireless Networks
PEC-ITE C01	Wireless Adhoc Networks
PEC-ITE C02	Wirless Sensor Networks
PEC-ITE C03	Optical fibre Communication
PEC-ITE C04	Wireless Optical Networks
PEC-ITE C05	Signal & Systems

Open Elective Courses I-IV

OEC-ITE 01	Simulation & Modeling
OEC-ITE 02	Internet of Things
OEC-ITE 03	Wireless Networks
OEC-ITE 04	Computer Graphics & Multimedia
OEC-ITE 05	Data Mining & Warehousing
OEC-ITE 06	Cloud Computing
OEC-ITE 07	Web Technologies
OEC-ITE 08	Operating System
OEC-ITE 09	LINUX Administration
OEC-ITE 10	Digital Image Processing
OEC-ITE 11	Discrete Mathematics

Faculty	Designation	Qualification
• Prof. Asif Husain	**Dean**	M. Tech., Ph. D.
• Mr. Nikhil Gupta	**Head of the Department**	M. Tech., Ph. D. Pursuing
• Mr. Malik Mubasher Hassan		M. Tech., Ph. D. Pursuing
• Mr. Rakesh Singh Sambyal		M. Tech.
• Mr. Manmeet Singh		M. Tech., Ph. D. Pursuing
• Mr. Vishal Sharma		M. Tech.
• Mr. Rashed Qayoom Shawl		M. Tech.
• Mr. Faisal Rasheed Lone		M. Tech., Ph. D. Pursuing
• Mr. Sajad Ahmed		M. Tech., Ph. D. Pursuing
• Mr. Vijay Tiwari		M. Tech.

Intake: (Total Seats : 75 in each branch)

Civil

General*	:	**32**
Self-Supporting**	:	**33**
NRI**	:	**10**

Electronics & Communication / Information Technology / Computer Science / Electrical Engg.

General*	:	**60**
Self-Supporting**	:	**10**
NRI**	:	**05**

Eligibility for Admission

- The applicant must have passed 10+2 from a recognized Board with at least 50% marks (45% for students of Scheduled caste / Scheduled tribe categories) with Physics and Mathematics as compulsory subjects
- Candidates appearing in the qualifying examination or those whose result of the qualifying examination is awaited can also apply and appear in the Entrance Test provisionally.

Procedure for Admission

- Admission to all B. Tech. courses is conducted through Entrance Test, dates for which will be notified through print and electronic media, at College of Engineering and Technology, BGSB University Campus, Rajouri & such other Centres in Jammu & Srinagar which will be notified later. Those applicants who have also appeared in JEE (2019-20) / BOPEE (2020) Entrance Tests are also eligible for admission in Information Technology & Engineering, Computer Sciences & Engineering & Electronics & Communication Engineering based on their merit list of the above Entrance Tests.
- Syllabus and Model Question Paper for the Test can be downloaded from the University website. Applicants are required to collect Admit Card for the Entrance Test from School of Engineering & Technology / Jammu Camp office / Regional office, Srinagar.

Selection shall be made on the basis of marks secured by applicants in the Entrance Test.

* *Including reserved category seats*
** *The number may change marginally*
*** *The University has initiated Ph. D. programme in Departments of Electrical, Civil* & Electronics & Comm. Engg.

Applied Sciences

The division of Applied Sciences and Humanities imparts teaching in practical aspects of Applied Sciences and Humanities to build a strong foundation as part of the Engineering Education. It offers core courses of basic sciences in terms of Applied Mathematics, Applied Physics and Applied Chemistry in the first year. Communication Skills, Indian Constitution and Environmental Science are Humanities subjects that strengthen communication skills, the civic sense and familiarize the students with environment and discover solutions to environmental problems. The above disciplines are served by qualified and professionally competent faculty who are dedicated to their work and always willing to carry out any responsibility that may be entrusted to them.

Faculty	Designation	Qualification
● Prof. Asif Husain	**Dean**	M. Tech., Ph. D.
● Dr. Ram Singh		M. Phil., Ph.D.
● Mr. Anil Maini		M. Phil.
● Mr. Vishal Sharma Pahari		M. Phil.
● Mr. Naveen Sharma		M. Sc., Ph. D. Pursuing
● Mr. Tanveer Ahmed		M. Sc., Ph. D. Pursuing
● Mr. Mohd. Arif		M. Sc.
● Mr. Sajad Rashid		M. Sc. Chemistry

NRI Quota

Limited NRI quota seats are available in the following branches along with the number of seats in each branch.

Civil Engineering	**:**	**10 seats**
Electrical Engineering	**:**	**05 seats**
Electronics & Communication Engineering	**:**	**05 seats**
Computer Science & Engineering	**:**	**05 seats**
Information Technology & Engineering	**:**	**05 seats**

Eligibility for Admission : Same as for General Category seats.

Procedure for Admission :

Students desirous of consideration in NRI quota will be required to submit Admission Application Form to the Dean, School of Engineering & Technology mentioning branch-wise preference. All applicants for NRI quota will be required to appear in counseling.

Note:

I. In case NRI Candidates are not available to fill all seats, the University may consider allotting the left over seats to candidates other than NRI in order of merit in the Entrance Test.

ii. NRI Candidates will be required to pay according to the conversion rates operative at the time of payment of fee.

Lateral Entry to B. Tech.

The University offers lateral admission to B. Tech. (3rd semester) in the following streams :

- **Civil Engineering**
- **Electrical Engineering**
- **Computer Science & Engineering**
- **Electronics & Communication Engineering**
- **Information Technology & Engineering**

Intake : Five seats are available in each branch over and above the allotted intake, which shall be filled under self-finance category. However, in those streams in which there are some vacant seats available within the allotted intake, seats shall be filled under normal category.

Eligibility for Admission : Passed Diploma Engineering in relevant or allied stream from recognized Board of Technical Education / University with at least 60% marks **or** passed B. Sc. in First Division, with Physics, Chemistry & Mathematics as elective subjects.

Procedure for Admission : Admission shall be made through Entrance Test that the University will notify and conduct separately.

Selection shall be made on the basis of marks secured by the applicants in the Entrance Test.

Change of Branch in B. Tech. Semester III

The University offers provision for Change of Branch (in B. Tech. 3rd semester) only to the students pursuing B.Tech. programme in BGSB University in the following streams:

- **Civil Engineering**
- **Electrical Engineering**
- **Computer Science & Engineering**
- **Electronics & Communication Engineering**
- **Information Technology & Engineering**

Intake : Number of seats available shall be notified at the commencement of Semester - III.

Change of Stream will be allowed only on deposition of full fee prescribed for payment seat in the branch which the student wants to join, irrespective of whether the student was admitted to Semester-I in self financing or General category.

Eligibility for Admission:

Only such students will be considered for change of stream as have passed all theory and lab courses of Semester-I and have appeared for examination in all courses of Semester- II.

Selection of students seeking change of branch shall be made on the basis of the marks secured by them in Semester -I Examination.

Fee Structure Per Semester for B. Tech. programmes

1.	Admission Fee	:	Rs.	1,300/-
2.	Tuition Fee			
	i. Semester First	:	Rs.	42,000/-
	ii. Semester Second	:	Rs.	42,000/-
	iii. Semester Third	:	Rs.	42,500/-
	iv. Semester Fourth	:	Rs.	42,750/-
	v. Semester Fifth	:	Rs.	42,750/-
	vi. Semester Sixth	:	Rs.	42,750/-
	vii. Semester Seventh	:	Rs.	42,750/-
	viii. Semester Eighth	:	Rs.	42,750/-
3.	Career Counseling & Placement Assistance	:	Rs.	1,000/-
4.	Library Fee	:	Rs.	900/-
5.	Sports Fee	:	Rs.	900/-
6.	Science / Computer Lab. Fee	:	Rs.	900/-
7.	Laboratory Maintenance Fee	:	Rs.	900/-
8.	University Development Fund	:	Rs.	900/-
9.	University Corpus Fund	:	Rs.	1,000/-
10.	One Time Security (Refundable)	:	Rs.	1,000/-
11.	**Self-Supporting Fee (One Time)**			
	I. B.Tech CE	:	Rs.	3,00,000/-
	ii. B.Tech ECE	:	Rs.	1,50,000/-
	iii. B.Tech EE	:	Rs.	1,50,000/-
	iv. B.Tech CSE	:	Rs.	1,00,000/-
	v. B.Tech ITE	:	Rs.	1,00,000/-
12.	**NRI / Management Fee (One Time)**			
	I. B.Tech CE	:	Rs.	5,00,000/-
	ii. B.Tech ECE	:	Rs.	3,00,000/-
	iii. B.Tech EE	:	Rs.	3,00,000/-
	iv. B.Tech CSE	:	Rs.	2,00,000/-
	v. B.Tech ITE	:	Rs.	2,00,000/-

B. E. Evening Programme Under Lateral Entry Scheme

The Evening programme has been launched to provide opportunity to Engineering Diploma holders to improve their qualification and promotional avenues in case they are already in service . The curriculum for the courses is innovative and interdisciplinary with employment - oriented tilt. The evening programmes are spread over 3 years and 6 semesters with project work in the final semester.

- **B. E. Civil Engineering**
- **B. E. Electrical Engineering**

B.E. Civil Engineering

Course Curriculum

Semester III

Course Code	Course Title
BSC-CE 301	Mathematics-III
PCC-CE 302	Introduction to Solid Mechanics
PCC-CE 303	Introduction to Fluid Mechanics
PCC-CE 304	Surveying & Geomatics
PCC-CE 305	Disaster Preparedness & Planning
BSC-CE 306	Biology & Life Sciences
Lab. Courses	**Course Title**
LC-CE 311	Solid Mechanics
LC-CE 312	Fluid Mechanics
LC-CE 313	Surveying

Semester IV

Course Code	Course Title
BSC-CE 401	Mathematics-IV
PCC-CE 402	Theory of Structures
PCC-CE 403	Hydraulics Engineering
PCC-CE 404	Engineering Geology
PCC-CE 405	Building Materials & Construction
PCC-CE 406	Civil Engg. Societal & Global Impact
Lab. Courses	**Course Title**
LC-CE 411	Hydraulics Engineering
LC-CE 412	Material Testing
LC-CE 413	Geology

Semester V

Course Code	Course Title
PCC-CE 501	Geotechnical Engineering
PCC-CE 502	Environmental Engineering
PCC-CE 503	Design of Concrete Structures
PCC-CE 504	Estimation and Costing
PCC-CE 505	Concrete Technology
PCC-CE 506	Irrigation Engineering
Lab. Courses	**Course Title**
LC-CE 511	Geotechnical Engineering
LC-CE 512	Environmental Engineering
LC-CE 513	Computer Aided

Semester VI

Course Code	Course Title
PCC-CE 601	Transportation Engineering
PCC-CE 602	Hydrology & Water Resources Engg.
PCC-CE 603	Design of Steel Structures
PCC-CE	PEC-I
PCC-CE	PEC-II
OEC-CE	OEC-I
Lab. Courses	**Course Title**
LC-CE 611	Transportation Engineering
LC-CE 612	Seminar
LC-CE 613	Survey Camp

Semester VII

Course Code	Course Title
PROJ-CE 701	Project -I
PEC-CE	PEC Elective -III
PEC-CE	PEC Elective - IV
PEC-CE	PEC Elective - V
OEC-CE	Open Elective-II
Lab. Courses	**Course Title**
LC-CE 711	Industrial Training
LC-CE 712	STAAD Pro
PEC- III	
PEC-CE 741	Foundation Engineering
PEC-CE 742	Construction Equipment and Automation
PEC-CE 743	Open Channel Flow
PEC-CE 744	Rural Construction Technology
PEC- IV	
PEC-CE 745	Prestressed Concrete and Bridge Design
PEC-CE 746	Traffic Engineering and Management
PEC-CE 747	Air and Noise Pollution and Control
PEC-CE 748	Rock Mechanics
PEC-CE 749	Flood Control and River Engineering
PEC- V	

PEC-CE 751	Structures Design
PEC-CE 752	Port and Harbour Engineering
PEC-CE 753	Ground Improvement Techniques
PEC-CE 754	Transport Planning & Management
PEC-CE 755	Solid and Hazardous Management
OEC- II	
OEC-CE 761	Professional Ethics in Engineering
OEC-CE 762	Biological Process for Contaminant Removal
OEC-CE 763	Space sciences & Origin of Universe
OEC-CE 764	Media & Society
PEC- I	
PEC-CE 641	Construction Engg. & Management
PEC-CE 642	Payment Material & Geometric Design of Highway
PEC-CE 643	Advance Soil Mechanics
PEC-CE 644	Design of Hydraulic Structures
PEC-CE 645	Rural Water Supply and Onsite Sanitation System
PEC-CE 646	Professional Practice and Ethics
PEC-CE 647	Construction Practice and Project Planning
PEC-CE 648	Industrial Waste Treatment
PEC-CE 649	Highway Construction and Pavement Design
PEC-CE 650	Tunnel Engineering
OEC- I	
OEC-CE 661	Contracts Management
OEC-CE 662	Pipeline Engineering
OEC-CE 663	Cyber Law and Ethics
OEC-CE 664	Fundamentals of Entrepreneurship

Semester VIII

Course Code	Course Title
PROJ-CE 831	Project- II
PEC-CE	PEC Elective -VI
PEC-CE	PEC Elective -VII
OEC-CE	Open Elective - III
OEC-CE	Open Elective - IV
PEC-VI	
PEC-CE 841	Earthquake geotechnical Engg.
PEC-CE 842	Earthquake Engineering
PEC-CE 843	Ground Water Hydrology
PEC-CE 844	Natural Disaster Mitigation and Mgt.
PEC-CE 845	Architecture and Town Planning
PEC-VII	
PEC-CE 846	Geographical Information System and Science
PEC-CE 847	Structural Geology
PEC-CE 848	Water Resources Field Methods
PEC-CE 849	Environmental Impact Assessment
PEC-CE 850	Industrial Structures

B. E. Electrical Engineering

Semester III

Course Code	Course Title
BSC-EE 301	Mathematics-III
PCC-EE 301	EM Field Theory
PCC-EE 302	Electrical Machines- I
PCC-EE 303	Network Analysis & Synthesis
PCC-EE 304	Biosciences
PCC-EE 305	Analog Electronics
Lab. Courses	
PCC-EE 311	Electrical Machines- I
PCC-EE 312	Network Analysis & Synthesis
PCC-EE 313	Analog Electronics

Semester IV

Course Code	Course Title
BSC-EE 401	Numerical Techniques
PCC-EE 401	Renewable Energy Sources
PCC-EE 402	Digital Electronics
PCC-EE 403	Power System - I
PCC-EE 404	Electrical Machines -II
PCC-EE 405	Electrical Measurements - I
Lab. Courses	
PCC-EE 411	Digital Electronics
PCC-EE 412	Electrical Machines -II
PCC-EE 413	Renewable Energy Sources

Semester V

Course Code	Course Title
PCC-EE 501	Power System-II
PCC-EE 502	Signal & Systems
PCC-EE 503	Control System
PCC-EE 504	Electrical Measurement - II
PEC-EE 5XX	Professional Elective - I
OEC-EE 5XX	Open Elective - I
Lab. Courses	
PCC-EE 511	Power System
PCC-EE 512	Electrical & Electronic Measurement
PCC-EE 513	Control System
PROJ-EE 511	Industrial Training - I

Semester VI

Course Code	Course Title
PCC-EE 601	Power Electronics
PCC-EE 602	Microprocessor & Interfacing
PCC-EE 603	Design of Power Apparatus
PCC-EE 6XX	Professional Elective - II

PCC-EE 6XX	Professional Elective - III
OEC-EE 6XX	Open Elective - II
Lab. Courses	
PCC-EE 611	Power Electronics
PCC-EE 612	MATLAB & Machine Design
PCC-EE 613	Microprocessor & Interfacing

Semester VII

Course Code	**Course Title**
PCC-EE 701	Electrical Drives
PCC-EE 702	Power System Protection
PROJ-EE 701	Minor Project
PEC-EE 7XX	Professional Elective - IV
PEC-EE 7XX	Professional Elective - IV
OEC-EE 7XX	Open Elective - III
Lab. Courses	
PCC-EE 711	Power System Protection
PCC-EE 712	Advanced Microcontroller
PORJ-EE 711	Seminar
PROJ-EE 712	Industrial Training -II
PCC-EE 713	Electrical Drives

Semester VIII

Course Code	**Course Title**
HSMC-EE 801	Entrepreneurship Development & Management
PROJ-EE 801	Major Project
PEC -EE 80**X**	Professional Elective - VI
OEC-EE 80X	Open Elective -IV

Professional Electives I-VI

PEC-EE 01	Wind & Solar Energy systems
PEC-EE 02	Line Commutated & active Rectifies
PEC-EE 03	Energy Audit and Management
PEC-EE 04	Electrical & Hybrid Vehicles
PEC-EE 05	EHV AC & DC Transmission
PEC-EE 06	Power Quality and FACTS
PEC-EE 07	High Voltage Engineering
PEC-EE 08	Industrial Electrical Systems
PEC-EE 09	Digital Signal Processing
PEC-EE 10	Electromagnetic Waves
PEC-EE 11	Control Systems Design
PEC-EE 12	Power Engineering
PEC-EE 13	Electric Substation Design
PEC-EE 14	Restructuring of Power System
PEC-EE 15	Energy Economics & Planning
PEC-EE 16	Microcontroller & Interfacing
PEC-EE 17	Virtual Instrumentation
PEC-EE 18	Optimization Techniques
PEC-EE 19	Power Semiconductor Controllers
PEC-EE 20	Communication System
PEC-EE 21	Power System Transients
PEC-EE 22	Neural Networks Fuzzy Systems
PEC-EE 23	Disaster Management
PEC-EE 24	Computers in Medicine
PEC-EE 25	Engineering Material Science

Open Electives I-IV

OEC-EE 01	Consumer Electronics
OEC-EE 02	Mobile & Wireless Communication
OEC-EE 03	Embedded Systems
OEC-EE 04	8051 Microcontroller
OEC-EE 05	Bio Inspired Engineering
OEC-EE 06	Electronic Workshop Technology
OEC-EE 07	Nanotechnology
OEC-EE 08	CMOS VLSI Design
OEC-EE 09	Biomedical Instrumentation
\OEC-EE 10	Data Structures with C
OEC-EE 11	Object Oriented Programming
OEC-EE 12	Computer Networks
OEC-EE 13	Operating Systems
OEC-EE 14	Fundamentals of Digital Image Processing
OEC-EE 15	Artificial Intelligence
OEC-EE 16	Internet of Things
OEC-EE 17	Natural Language Processing
OEC-EE 18	Cloud Computing
OEC-EE 19	Project Management System
OEC-EE 20	Real Time Operating System
OEC-EE 21	Computer Organization & Archit.
OEC-EE 22	Computer Graphics & Multimedia
OEC-EE 23	Computer based Numerical Techniques
OEC-EE 24	Internet & Web Technology
OEC-EE 25	Data Warehousing & Data Mining
OEC-EE 26	Wireless Networks
OEC-EE 27	System Software
OEC-EE 28	Green Computing
OEC-EE 29	Mobile Computing
OEC-EE 30	Neural Networks
OEC-EE 31	Pattern Recognition
OEC-EE 32	Bio-Informatics
OEC-EE 33	Hydropower Engineering
OEC-EE 34	Engineering Geology
OEC-EE 35	Tunnel Engineering
OEC-EE 36	Introduction to Solid Mechanics
OEC-EE 37	Introduction to Fluid Mechanics
OEC-EE 38	Surveying & Geomatics
OEC-EE 39	Estimating & Costing

Intake in each stream : 25 seats

Self Supporting seats in each stream : 05 seats

Eligibility for Admission

- Passed Diploma Engineering in the same branch or a branch allied to the one to which admission is being sought, from a recognised Board of Technical Education / University or any other examination considered equivalent thereto with at least 50% marks (45% marks for students of Scheduled caste / Scheduled tribe categories).
- Science graduates (B. Sc.) with Physics, Chemistry and Mathematics having scored at least 50% marks (45% for Scheduled caste / Scheduled tribe candidates). Such candidates, will, however, be required to pass such courses (Engineering Drawing, Engineering Graphics and Engineering Mechanics) as they have not offered already.

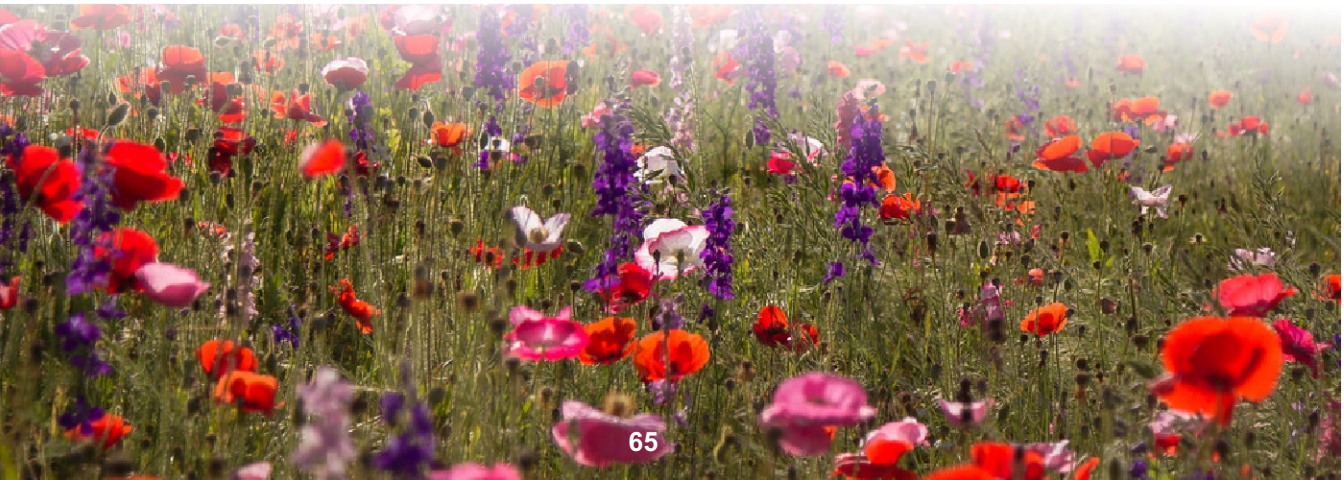
Procedure for Admission

- Admission will be made through Entrance Test. The date, time and venue for the test will be notified well in advance alongwith Syllabus and Model Question Paper. Selection will be based on merit secured in the Test.

Fee Structure Per Semester

1.	Admission Fee	:	Rs.	1,300/-
2.	Tuition Fee	:	Rs.	58,250/-
3.	Career Counseling & Placement Assistance	:	Rs.	1,000/-
4.	Library Fee	:	Rs.	900/-
5.	Science / Computer Lab. Fee	:	Rs.	900/-
6.	Laboratory Maintenance Fee	:	Rs.	900/-
7.	University Development Fund	:	Rs.	900/-
8.	University Corpus Fund	:	Rs.	1,000/-
9.	One Time Security (Refundable)	:	Rs.	1,000/-
10.	**Self-Supporting Fee (One Time)**			
	i. B. E. Civil Engineering	:	Rs.	3,00,000/-
	ii. B. E. Electrical Engineering	:	Rs.	2,50,000/-

Note: B. E. Evening programme will run if, the minimum number of students admitted in each branch is at least 20.



School of Management Studies

Department of Management Studies

- BBA
- B. Voc. Tourism & Travel Management
- MBA
- M. Phil.
- Ph. D.

Centre for Hospitality & Tourism

- MBA - Hospitality & Tourism
- Diploma in Front Office
- Diploma in House Keeping
- Diploma in Food & Beverage Services
- M. Phil.
- Ph. D.

Community College

- Diploma in Travel & Tourism Management

Department of Management Studies

The Masters programme in Business Administration (MBA) run by the School is recognized by the All India Council of Technical Education (AICTE), New Delhi. The post graduates produced by the School have done it proud with placement in reputed organizations such as Wipro, HDFC Bank, Airtel, Vodafone & ICICI. The School has earned distinction of having produced large number of UGC-NET - JRF and SLET qualified students. This has been possible on account of the quality training imparted by the School.

The strength of the School lies in its well qualified faculty that is always enthusiastic to learn and teach. High profile experienced guest faculty drawn from different universities and corporate sector is involved in preparing students for facing the challenges of corporate world with poise and confidence. Teaching in the School is interactive. Students participate in seminars organized regularly to advance their knowledge base and improve articulation.The School works in close liaison with the Skills Development and Placement Cell for conducting training sessions on personality development and event management. Participation in these programmes is essential for students of both streams. Furthermore, each student has to compulsorily pass one non-creditable Massive Open Online Courses (MOOCs) under SWAYAM platform during the two-year programme.

The course curricula are based on UGC Model Curriculum and the real world business decisions and economic events. The emphasis of the programme is on strengthening analytical and critical skills of students on rolls. Availability of modern computer laboratories, state-of-the-art teaching aids and internet connectivity help students to learn, appreciate and analyze the important events shaping the business world. The School strives to produce business students capable of handling managerial positions in business organizations in India and abroad.

Academic Activities

- Organized seminars on contemporary events: Rupee-US Dollar swings, Global changes and liquidity crisis in India etc. Innovation in Banking Sector, Islamic Banking; Issues & Challenges, Sustainable Tourism, Policy reforms & Economic Diversification.
- Won second prize under P2P programme on 'Challenging Extremism' sponsored by Adventure Partners US & Facebook (150 Universities from South East Asia participated).
- Under 'Start up projects' students are managing & running, Peer Pal Café of the University on profit sharing basis on a theme ' Earn while you learn'.
- Organized 'Eminent Scholar Lecture Series' on Research Methodology and a talk on Cultural Heritage.
- Organized 'Management Fests and Personality Development Workshops'.
- Organized workshops on ' Research Methodology' using 'STATA' and 'SPSS 25'.

Ongoing Projects

- Impact Analysis of Microfinance Programmes and their Contribution to Rural Development in J&K.
  Principal Investigator : Dr. Javed Iqbal **Rs. 5,50,000**
- Research & Documentation of Gujjars & Bakerwals (ST's) of J&K.
  Principal Investigator : Dr. Pervaiz Abdullah **Rs. 5,00,000**
- Economic Evakuation of high altitude lakes in Peer Panjal Region of J&K.
  Principal Investigator : Dr. Showket Mir & Dr. Pervaiz Abdullah **Rs. 8,00,000**
- What role does the employment protection legislation play in the wage determination under segmented labour markets? A State Level analysis.
  Principal Investigator : Dr. Irfan Ahmad Sofi **Rs. 10,00,000.**
- Management and Performance of Micro and Small Enterprises in Rajouri and Poonch District of J&K
  Principal Investigator : Dr. Dil Pazir **Rs. 7,00,000**

Bachelor of Business Administration

Course Curriculum

Semester I

Course Code	Course Title
BBA 121	Principles of Management
BBA 122	Business Economics
BBA 123	Financial Accounting
BBA 124	Communication Skills

Semester II

Course Code	Course Title
BBA 221	Business Law
BBA 222	Fundamentals of Statistics
BBA 223	Environmental Science
BBA 224	Cost Accounting

Semester III

Course Code	Course Title
BBA 321	Organizational Behavior
BBA 322	Human Resource Management
BBA 323	Marketing Management
BBA 324	Financial Management

Semester IV

Course Code	Course Title
BBA 421	Business Ethics & Corporate Governance
BBA 422	Security Market Operations
BBA 423	Sales Management
BBA 424	Corporate Accounting

Semester V

Course Code	Course Title
BBA 521	Management Information System
BBA 522	Customer Relationship Manag.
BBA 523	Management Accounting
BBA 524	Indian Financial System
BBA 525	Summer Training Project

Semester VI

Course Code	Course Title
BBA 621	Income Tax
BBA 622	International Business
BBA 623	Entrepreneurship Development
BBA 624	Business Policy
BBA 625	Comprehensive Viva-Voce

Summer Training Project

Every enrolled student will be required to undergo practical training of 6-8 weeks during summer vacation following Semester IV, in an approved business / service organization, and submit two copies of the Training Report to Dean, School of Management Studies within two weeks of the commencement of Semester V. The Summer Training Report carries 100 marks. It shall be evaluated for 50 marks by an External Examiner and for 50 marks by an Internal Board comprising a minimum of two Faculty Members.

Intake : **(Total Seats : 35)**

General	:	**30**
Self Supporting	:	**05**

Eligibility for Admission

- Passed 10 + 2 examination from any recognized Board of School Education with any subject combination.
- Candidates appearing in the qualifying examination and those whose result of the qualifying examination is awaited can also apply provisionally.

Selection shall be made on the basis of marks secured by the students in the qualifying examination.

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee	:	Rs. 8,000/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self-Supporting Fee (One Time)	:	Rs. 50,000/-

B. Voc. (Tourism and Travel Management)

The B.Voc. (Tourism and Travel Management) programme is focused on providing undergraduate degree with multiple exit points such as Certificate, Diploma, Advanced Diploma and Degree under NSQF spread over three years incorporating specific job roles along with broad based general education component. It is a new initiative of Government to align higher education with the emerging needs of the economy so as to ensure that the graduates of higher education system have adequate knowledge and skills for employment and entrepreneurship. It is a course where more importance is given to practical education than the customary theoretical education. Each level of the programme would be a suitable mix of skill development and general education components. The weightage for skill development would be 60 % and general education component will be 40%. The changes would be incorporated as per UGC/NSDC guidelines issued from time to time, keeping in view the needs of the local industry as well.

Course Curriculum

Semester I

Course Code & Course Title	
Skill Component	
UGBVTI500IT	Communication Soft Skill Development
UGBVTI5002T	Basic of Travel Agency and Tour Operations
UGBVTI5003T	Professional Excellence in Tourism-I
UGBVTI5004T	Industrial Field Visit and Report
UGBVTI5005T	Basic Concept of Tourism
General component	
UGBVTI5006T	Exposure to Foreign language-1 (French)
UGBVTI5007T	Office Applications in Tourism
UGBVTI5008T	Tourism Products and Services

Semester II

Course Code & Course Title	
Skill component	
UGBVT2500IT	Basics of Event Management.
UGBVT25002T	Professional Excellence in Tourism-11
UGBVT25003T	Customer Relationship Management in Tourism
UGBVT25004T	Summer Internship (6 weeks) General component
UGBVT25005T	Exposure to Foreign language-11(French)
UGBVT25006T	Tourism Sale and Marketing
UGBVT25007T	Basic Accountancy in Tourism

Semester III

Course Code & Course Title	
General component	
UGBVT3G00IT	Tourism Law
UGBVT3G002T	Technology for Tourism Accounting-Automation in Tourism Industry Tally
UGBVT3G004T	Supervisory Skills in Tourism
UGBVT3G005T	Tourism Geography
UGBVT3G006T	Tourism principles and practices

Semester IV

Course Code & Course Title	
Skill component	
UGBVT4S00IT	Business Development.
UGBVT4S002T	Tour package designing and development
UGBVT4S003F	OJT-Summer Internship-(4 months)
UGBVT4S004F	OJT Report

Semester V

Course Code & Course Title	
General component	
UGBVT5G00IT	Adventure Tourism
UGBVT5G002T	Operations Management
UGBVT5G003T	Entrepreneurship
UGBVT5G004T	New Media in Tourism
UGBVT5G005T	Project on Entrepreneurship

Semester VI

Course Code & Course Title	
Skill component	
UGBVT6S00IT	Online Travel Business.
UGBVT6S002T	Service Quality Management in Tourism
UGBVT6S003F	On the Job Training and Evaluation
UGBVT6S004F	Project Report & Presentation

Intake: 50 seats

Eligibility for Admission

The eligibility condition for admission to B. Voc. programme shall be 10+2, in any stream or level-4 of NSQF.

Procedure for Admission

The admission will be made for 50 seats on the basis of academic merit of qualifying examination or by entrance Test (will be held at BGSBU) if the number of admission seekers is more.

Fee for the course: Rs. 5000**/- (Annually)**

Master of Business Administration

Course Curriculum

Semester I

Course Code	Course Title
MBA 121	Management Process & Organizational Behavior
MBA 122	Accounting for Managers
MBA 123	Quantitative Techniques for Managerial Decisions
MBA 124	Managerial Economics
MBA 125	Business Ethics & Corporate Governance
MBA 126	Business Comm. & Soft Skills

Semester II

Course Code	Course Title
MBA 221	Marketing Management
MBA 222	Financial Management
MBA 223	Business Law
MBA 224	Human Resource Management
MBA 225	Research Methodology & its Applications

Choice Based Open Elective Courses (One of the following)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Language & Literature
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer App. & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Language & Literature
ECP 248	Introduction to Pahari Language & Literature
ECK 249	Introduction to Kashmiri Language & Literature
IS 250	Spirituality & Islam

Semester III

Course Code	Course Title
MBA 331	Project Management
MBA 332	Entrepreneurship Development
MBA 333	Summer Training Project**Choice**

Based Complementary Elective Courses (Opt any three for Major and any two for minor specialization out of the following courses)

Human Resource

MBA H1	Strategic Human Resource Mgt.
MBA H2	Organizational Change & Dev.
MBA H3	Industrial Relation and Labour Laws
MBA H4	Human Resource Development

Finance

MBA F1	Security Analysis
MBA F2	International Finance
MBA F3	Corporate Tax Planning & Management
MBA F4	Indian Financial System
MBA F5	Participative Banking
MBA F6	Banking & Insurance Management

Marketing

MBA M1	Advertising and Sales Promotion
MBA M2	Consumer Behavior & Marketing Strategy
MBA M3	Service Marketing
MBA M4	Customer Relationship Management

Semester IV

Course Code	Course Title
MBA 441	Stategic Management

Choice Based Compl. Elective Courses (Opt any two for Major & one for minor specialization out of the following courses)

Finance

MBA F7	Portfolio Management
MBA F8	Financial Derivatives
MBA F9	Behaviourial Finance
MBA F10	Mergers and Acquisitions

Human Resource

MBA H6	Interpersonal and Development
MBA H7	Performance Management
MBA H8	Inter Personal & Group Processes
MBA H9	Cross Cultural Management

Marketing

MBA M5	Strategic Brand Management
MBA M6	Retail Marketing
MBA M7	International Marketing
MBA M8	Digital Marketing

Intake : **(Total Seats : 50)**

General	:	**40**
Self-Supporting	:	**10**

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) in any discipline or any other degree from a recognized University.

  or

  Passed final examination from the Institute of Chartered Accountants, Cost and Works Accountants or Company Secretaries.

  or

  Passed A.M.I.E. (Engineering)

  and

  Appeared in the Common Management Admission Test (C-MAT) / Common Aptitude Test (CAT) / Management Aptitude Test (MAT) / Appeared in the Central Universities Common Entrance Test (CUCET - 2020).

- Candidates appearing in the final year examination of the qualifying degree and those, whose result of the same is awaited, can also apply provisionally.

Procedure for Admission

- For admission to MBA programme all eligible candidates shall have to appear in the Common Management Admission Test (C-MAT) conducted by the All India Management Association between June 2019 and May 2020 or Common Aptitude Test (CAT) or Management Aptitude Test (MAT) of March 2020 / or Appeared in CUCET - 2020 .
- Candidates desirous of admission to MBA programme of Baba Ghulam Shah Badshah University should apply to BGSB University separately on the prescribed Application Form attached with the Admission Prospectus - 2020.

Group Discussion & Personal Interview

Candidates who are short-listed on the basis of their score in the qualifying examination, plus Common Management Admission Test (C-MAT) / Common Aptitude Test (CAT) / Management Aptitude Test (MAT)/ Common Entrance Test (CUCET) will be invited by the Dean, School of Management Studies for appearing in Group Discussion and Interview at the University Campus, Rajouri, and any other places if the University so decides, on dates that will be notified in print and electronic media. Call letters for Group Discussion & Personal Interview have to be collected by the candidates from the Department / Camp Office, Jammu /Regional office, Srinagar.

Weightage of marks for the different components

(a)	Marks secured in qualifying examination	40%
(b)	Marks secured in C-MAT/CAT/MAT/CUCET	40%
(c)	Group Discussion	10%
(d)	Interview	10%

Fee Structure Per Semester for MBA

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	i. Semester First	:	Rs. 25,000/-
	ii. Semester Second	:	Rs. 25,000/-
	iii. Semester Third	:	Rs. 25,000/-
	iv. Semester Fourth	:	Rs. 25,000/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self-Supporting Fee (One Time)	:	Rs. 1,50,000/-

Faculty	Designation	Qualification
● Prof. Naseem Ahmed,	**Dean**	M. Com., Ph. D.
● Dr. Dil Pazir		M. Sc. (Agri Econ.), Ph. D., FDP-IIMK
● Ms. Mamta Choudhary		MBA, NET, Ph. D. Pursuing
● Dr. Parvez Abdulla		M. Sc. MBA, M. Phil., Ph. D. FDP-IIMA
● Dr. Gaurav Sehgal		M. Sc., MBA, PGDCS, Ph. D.
● Dr. Javed Iqbal		M. Com., Ph. D., FDPM-IIMA
● Dr. Darakashan Anjum		M. Com., Ph. D.
● Dr. Radha Gupta		M. Com., M. Phil., Ph. D.
● Dr. Kafeel Ahmed		MBA, NET, Ph. D.
● Dr. Aasim Mir		MBA, NET, Ph. D., FDP-Harvardx
● Dr. Jatinder Kumar		MBA, NET, Ph. D.
● Dr. Danish Iqbal Raina		MBA, NET, Ph. D.
● Mr. Vinay Kumar Sharma		MBA, NET-JRF, SET, Ph. D. Pursuing

Invited Guest Faculty

Prof. Ashok Aima	Vice Chancellor, Central University of Jammu, Jammu
Prof. Nawab Ali Khan	Aligarh Muslim University, Aligarh
Prof. Sheeba Hamid	Aligarh Muslim University, Aligarh

MBA - Hospitality & Tourism

Tourism has emerged as World's fastest growing industry and a major source of earning. Jammu & Kashmir has been the paradise of tourists from all over the World from times immemorial on account of its topography, natural and cultural diversity, heritage sites and the bounties of nature. If offers opportunities for all kinds of tourism; leisure, adventure, health and pilgrimage. Therefore, tourism has generated direct and indirect employment to a large chunk of State's population. With the world having shrunk to a global village, distances having become irrelevant, through improved transport system people all over the world have become World trotters. The tourist industry of the country has to keep pace with the growing tourist influx. In the years ahead tourism industry will undergo unprecedented expansion which will mean increase in the requirement of skilled human resource to man the industry. The Masters Course in Hospitality & Tourism has been introduced to generate such human resource.

Course Curriculum

Semester I

Course Code	Course Title
MBAHTM 101	Management Concepts & Organisational behaviour
MBAHTM 102	Fundamentals of Hospitality Management
MBAHTM 103	Business Communication
MBAHTM 104	Economics of Tourism
MBAHTM 105	Tourism Resources & Products
MBAHTM 106	National & Global Tourism Geography

Semester II

Course Code	Course Title
MBAHTM 201	Marketing Management
MBAHTM 202	Human Resource Management
MBAHTM 203	Accounting & Finance for Tourism
MBAHTM 204	Research Methodology
MBAHTM 205	Fundamentals of Tourism

Choice Based Open Elective Course (One of the following)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang & Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang & Lit.
ECP 248	Introduction to Pahari Lang & Lit.
ECK 249	Introduction to Kashmiri Lang & Lit.
IS 250	Spirituality & Islam

Semester III

Course Code	Course Title
MBAHTM 301	Business Policy & Strategic Manag.
MBAHTM 302	Eco Tourism & Sustainable Devel.
MBAHTM 303	Accommodation Management
MBAHTM 304	Tourism Policy & Planning

Choice Based Complementary Elective Courses (Any two of the following)

MBAHTM 305	Wild Life Tourism & Conservation
MBAHTM 306	Adventure & Sports Tourism
MBAHTM 307	Event Management
MBAHTM 308	Industrial Training Report & Presentation

Semester IV

Course Code	Course Title
MBAHTM 401	Entrepreneurship Development
MBAHTM 402	Travel Agency & Tour Operations
MBAHTM 403	Destination Planning and Development
MBAHTM 404	Front Office Management

Choice Based Complementary Elective Courses (Any two of the following)

MBAHTM 405	Food & Beverage Management
MBAHTM 406	Airline, Cargo & Revenue Management
MBAHTM 407	Tourism Management in India
MBAHTM 408	Dimensions of International Tourism

Note : After the examination of 2nd semester the students shall go for industrial training for a period of 2 months following which they will be evaluated on the basis of project report that they submit, its presentation & viva-voce.

Intake : (Total Seats : 30)

General : **25**

Self-Supporting : **05**

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) in any discipline or any other degree from a recognized University.

  or

  Passed final examination from the Institute of Chartered Accountants, Cost Accountants and Company Secretaries of India.

  or

  Passed A.M.I.E. (Engineering)
- Candidates appearing in the final year examination of the qualifying degree and those, whose result of the same is awaited, can also apply provisionally.

Selection shall be made on the basis of the marks secured by the candidates in qualifying examination.

Fee Structure Per Semester

1.	Admission Fee	:	Rs.	1,300/-
2.	Tuition Fee			
	i. Semester First	:	Rs.	25,000/-
	ii. Semester Second	:	Rs.	25,000/-
	iii. Semester Third	:	Rs.	25,000/-
	iv. Semester Fourth	:	Rs.	25,000/-
3.	Career Counseling & Placement Assistance	:	Rs.	1,000/-
4.	Library Fee	:	Rs.	900/-
5.	Sports Fee	:	Rs.	900/-
6.	Computer Lab. Fee	:	Rs.	900/-
7.	Laboratory Maintenance Fee	:	Rs.	900/-
8.	University Development Fund	:	Rs.	900/-
9.	University Corpus Fund	:	Rs.	1,000/-
10.	One Time Security (Refundable)	:	Rs.	1,000/-
11.	Self-Supporting Fee (One Time)	:	Rs.	1,50,000/-

M. Phil. and Ph. D. Programmes

The School offers M. Phil. and Ph. D. programmes in Management Studies and Hospitality & Tourism. The objective of these programmes is to undertake in-depth investigation of the issues concerning management of business and economy to enrich the decision making processes. At present, ten Ph. D. scholars are pursuing research on themes like Participatory banking and its future in India, Microfinance and its role in financial inclusion of poor and the deprived, MSMEs and their problems; and the role and future of tourism in Rajouri - Poonch region. The other potential areas of research include Management Practices and their impact analysis in public and private enterprises, Human Resource Management, Corporate Social Responsibility, Rural Marketing and Advertising in socio-economic context and issues concerning growth and development of regional economy. The School has already produced eight Ph.Ds .

Diploma in Front Office

The Diploma Course specifically designed to train human resource for Front Office management has been sponsored by Ministry of Tourism, Govt. of India. Front Office of any organization, more so hotels, is the frontispiece. The décor, upkeep, working and etiquette of the front office impacts popularity of the office, hotel or any other organization of which it is part.

Young men and women enrolled in the course will be given theoretical and practical training to make them employable in hotels, lodges, hospitals, nursing homes etc which are mushrooming all over the country including the State of Jammu & Kashmir.

Course Curriculum

Semester I

Course Code	Course Title
DFO 111	Front Office Operations
DFO 112	Principles of Accounting
DFO 113	Business & Inter Office Communication Skills
DFO 114	Basics of Computers

Lab Courses

DFO 160	Front Office practical based on theory
DFO 161	Practical on Computer Applications
DFO 162	Practical on Communication Skills & Office Organization

Semester II

Students will undergo industrial training for 17 weeks in different hospitality & tourism units and after successful completion of training, students will submit Training Report followed by presentation. The total marks will be 500 out of which 350 marks would be for training report and 150 marks for presentation in the ratio 70:30.

Duration : **1 year**

Eligibility for Admission

Passed 10+2 examination with at least 45 % marks from a recognized Board of School Education or passed any other examination considered equivalent thereto.

Intake : 15 seats

Fee : Rs. 6000/- (Per Semester)

Diploma in House Keeping

The Course sponsored by Ministry of Tourism, Government of India, has been introduced in the University with the aim of imparting the skill of House Keeping to such young boys and girls who are not inclined to pursue higher education. The course will help passouts to find employment in the ever-growing multi-million hotel- industry all over the world. The State of Jammu & Kashmir which is becoming hub of domestic and international tourists requires skilled human-resource in House Keeping. The Diploma Course has been so conceived to impart theoretical as well as practical training to the students enrolled in it.

Course Curriculum

Semester I

Course Code	Course Title
DHK 111	Housekeeping Operations
DHK 112	Principles of Accounting
DHK 113	Business & Inter Office Communication Skills
DHK 114	Basics of Computers

Lab Courses

DHK 160	Practical on Housekeeping Operations
DHK 161	Practical on Computer Application
DHK 162	Practical on Communication Skills & Office Organization

Semester II

Students will undergo industrial training for 17 weeks in different Hospitality & Tourism units and after successful completion of training, students will submit Training Report followed by presentation. The total marks will be 500 out of which 350 marks would be for training report and 150 marks for presentation in the ratio 70:30.

Duration : 1 year

Eligibility for Admission

Passed 10+2 examination with at least 45 % marks from a recognized Board of School Education or passed any other examination considered equivalent thereto.

Intake : 15 seats

Fee : Rs. 6000/- (Per Semester)

Diploma in Food & Beverage Services

The Course sponsored by Ministry of Tourism, Government of India, has been introduced in the University with the aim of imparting theoretical and practical skills in ever - growing Food & Beverage sector to young boys and girls who, after completion of their course, would be able to find jobs not only in restaurant but in other sectors like industrial catering, institutional catering, multiplexes, etc. As the state of Jammu & Kashmir is becoming hub of domestic and international tourists, the requirement for skilled human resources is always increasing day by day. Therefore, this course has been conceived to impart both theoretical as well as practical training to equip students for jobs in this Sector.

Course Curriculum

Semester I

Course Code	Course Title
DFB 111	Introduction to Food and Beverage Services
DFB 112	Principles of Accounting
DFB 113	Business & Inter Office Communication Skills
DFB 114	Basics of Computers
Lab Courses	
DFB 160	Practical on Food & Beverage Services
DFB 161	Practical on Computer Applications
DFB 162	Practical on Communication Skills & Office Organization

Semester II

Students will undergo industrial training for 17 weeks in different hospitality & tourism units and after successful completion of training, students will submit Training Report followed by presentation. The total marks will be 500 out of which 350 marks would be for training report and 150 marks for presentation in the ratio 70:30.

Duration : **1 year**

Eligibility for Admission

Passed 10+2 examination with at least 45 % marks from a recognized Board of School Education or passed any other examination considered equivalent thereto.

Intake : 15 seats

Fee : Rs. 6000/- (Per Semester)

Faculty	Designation	Qualification
• Prof. Naseem Ahmed,	**Dean**	M. Com., Ph. D.
• Mr. Asrar Gaus,	**Director Hosp. &Tourism**	MTM, MBA, DHMCT, NET
• Dr. Danish Iqbal Raina		MBA, NET, Ph. D.
• Dr. Jatinder Kumar		MBA, NET, Ph. D.
• Dr. Showket Mir		M. A. (Eco.), Ph. D.
• Mr. Vinay Kumar		MBA, NET-JRF, SET, Ph. D. Pursing
• Dr. Insha Amin		MBA (HTM), Ph.D.
• Mr. Ishtiyaq Ahmad		MBA-HTM, NET-JRF
• Mr. Aamir Malik		MBA (HTM), NET

Diploma in Travel and Tourism Management

Baba Ghulam Shah Badshah University is one of the few Universities in J&K where University Grants Commission has granted Community College for Vocational Studies for trade Diploma in Travel and Tourism Management. The community college at BGSBU will be open to large numbers of individuals of the community, offering low cost and high quality education locally, that encompasses both vocational skills development as well as traditional course work, thereby providing opportunities to the learner to move into the higher education. It offers flexible and open education system which also caters to community based lifelong learning needs. It is unique programme where the students have the option to opt stage one, two, and three and accordingly get Diploma, advance diploma and degree respectively. As per new guidelines issued by UGC, B.Voc degree would be equivalent to any other bachelor degree and students may pursue master programme and become eligible to appear for competitive exams conducted at central and state level where basic eligibility is graduation.

Features of the course

- The course is approved and funded by the UGC.
- Industry relevant Skilled Oriented Syllabus framed and approved by SSC and NSDC.
- Students may join degree course (B.Voc.) after obtaining diploma.
- The students may opt out at any of the exit point.
- Sector Skill counsel and Industry Partner have to participate in curriculum development / training assessment and governance of the community college.
- The course shall be conducted as Full time/regular course with in the University campus.
- Practical and interactive sessions to be conducted by experts from industry throughout the course.
- Placement assistance is provided by the University Placement Cell.
- Every selected candidate will get scholarship of ₹ 1000 per month during the course subject to 75% attendance.

Course Curriculum

Semester I **Course Code & Course Title** **Skill Component**	
UGBVTI500IT	Communication Soft Skill Development
UGBVTI5002T	Basic of Travel Agency and Tour Operations
UGBVTI5003T	Professional Excellence in Tourism -1
UGBVTI5004T	Industrial Field Visit and Report
UGBVTI5005T	Basic Concept of Tourism General component
UGBVTI5006T	Exposure to Foreign language-1 (French)
UGBVTI5007T	Office Applications in Tourism
UGBVTI5008T	Tourism Products and Services

Semester II **Course Code & Course Title** **Skill Component**	
UGBVT2500IT	Basics of Event Management.
UGBVT25002T	Professional Excellence in Tourism -11
UGBVT25003T	Customer Relationship Management in Tourism
UGBVT25004T	Summer Internship (6 weeks) General component
UGBVT25005T	Exposure to Foreign language-11 (French)
UGBVT25006T	Tourism Sale and Marketing
UGBVT25007T	Basic Accountancy in Tourism

Duration : 1 year

Intake: 50 seats

Fee: Rs. 2500/- (one time)

Eligibility for Admission

- 10+2 or any other Diploma recognized equivalent thereto from any recognized board / university.
- Candidates appearing in the Final Examination, or those whose result of the same is awaited, can also apply provisionally.

Faculty	Designation	Qualification
Prof. Naseem Ahmed	**Dean**	M. Com., Ph. D.
Dr. Kafeel Ahmed	**Nodal Officer**	MBA, NET, Ph. D.,
Mr. Asrar Gaus	**Director-Tourism & Hospitality**	MTM, MBA, DHMCT, NET
Dr. Dil Pazir		M. Sc., Ph. D., FDP-IIMK
Dr. Parvez Abdulla		M. Sc. MBA, M. Phil., Ph. D. FDP-IIMA.
Dr. Javed Iqbal		M. Com., Ph. D., FDPM-IIMA
Dr. Aasim Mir		MBA, NET, Ph. D.
Dr. Jatinder Kumar		MBA, NET, Ph. D.
Dr. Danish Iqbal Raina		MBA, NET, Ph. D.
Mr. Vinay Kumar Sharma		MBA, NET-JRF, SET
Dr. Insha Amin		MBA (HTM), Ph. D.
Mr. Ishtiyaq Ahmad		MBA-HTM, NET-JRF
Mr. Aamir Malik		MBA (HTM), NET

School of Social Sciences

Department of Economics

- M. A. Economics
- M. Phil.
- Ph.D.

M. A. Economics

The importance of Economics in everyday life calls for no elucidation. With globalisation the need for sound theoretical background of economics, skills in economic analysis and public policy have become essential. For this reason, Economics graduates and postgraduates are in demand in the job market. The opportunities for students of Economics range from positions in business world, banks, insurance, investment and communication firms, academic institutions, government agencies and trade associations etc.

Course Curriculum

Semester I

Course Code	Course Title
EC 2011	Micro Economics - I
EC 2012	Macro Economics - I
EC 2013	Mathematics for Economics
EC 2914	Economics of Development

Semester II

Course Code	Course Title
EC 2021	Micro Economics - II
EC 2022	Macro Economics - II
EC 2023	Statistical Methods

Choice Based Open Elective Course
(Opt any one of the following)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Funda.of Arabic Language
UR 238	Fundamentals of Urdu Language & Literature
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer App.& Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Language & Literature
ECP 248	Introduction to Pahari Language & Literature
ECK 249	Introduction to Kashmiri Lang. & Lit.
IS 250	Spirituality & Islam

Semester III

Course Code	Course Title
EC 2031	International Economics
EC 2032	Public Finance
EC 2033	Basic Econometrics

Choice Based Complementary Elective Courses
(Opt two of the following courses)

EC 2034	Demography
EC 2035	Industrial Economics
EC 2036	Environmental Economics
EC 2037	Indian Financial System
EC 2038	Islamic Economics

Semester IV

Course Code	Course Title
EC 2041	Theory of Economic Growth
EC 2042	International Political Economy
EC 2043	Indian Economy
EC 2044	Dissertation (Viva Voce & Project work)

Choice Based Complementary Elective Courses
(Opt one of the following courses)

EC 2045	Agricultural Economics
EC 2046	J&K Economy
EC 2047	Research Methodology & Computer Applications
EC 2048	Political Economics
EC 2049	Advanced Econometrics

Intake : (Total Seats : 40)

General : **30**

Self-Supporting : **10**

Eligibility for Admission

- Bachelors' degree of 10+2+3 pattern with Economics / Mathematics as one of the subjects / B.Com. / BBA / any other degree recognized equivalent thereto from any recognized university.
- Candidates appearing in the Final Year Examination of the qualifying degree or those whose result of the same is awaited, can also apply provisionally.

Students will be ranked for admission on the basis of their marks in the qualifying examination.

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	i. Semester First	:	Rs. 25,000/-
	ii. Semester Second	:	Rs. 25,000/-
	iii. Semester Third	:	Rs. 25,000/-
	iv. Semester Fourth	:	Rs. 25,000/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Science / Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self-Supporting Fee (One Time)	:	Rs. 1,50,000/-

Faculty	Designation	Qualification
● Prof. Naseem Ahmed	**Dean**	M. Com., Ph. D.
● Dr. Dil Pazir		M. Sc. (Agri Econ.), Ph. D., FDP-IIMK
● Dr. Irfan Ahmed Sofi		Ph. D.,Post-Doctorate, NET
● Dr. Showket Ahmed Mir		Ph. D.
● Dr. Sajad Ahmad Rather		Ph. D., NET
● Ms. Tazeem Akhter		M.A. (Eco.), NET (JRF)

M. Phil. & Ph.D. programmes

The Department is running M. Phil. and Ph. D. programmes since 2017. The Department has faculty members with lot of research background and experience which helps the scholars to undertake and explore new areas of research in the fields of Economics at micro_ and macro levels. At present, seven scholars are pursing Ph. D. and four M. Phil.

School of Islamic Studies & Languages

Department of Arabic

- B. A. Arabic (Hons.)
- M. A. Arabic
- M. Phil. & Ph. D.

- M. A. Islamic Studies
- M. Phil. & Ph. D.

- M. A. Urdu
- M. Phil. & Ph. D.

Department of English

- M. A. English
- M. Phil. & Ph. D.

Centre for Research in Gojri, Pahari & Kashmiri Languages

Department of Arabic

Arabic is a living language with rich literary heritage. It is the official language of 18 Arab countries, fourth language of the world and sixth language of UNO. More than anything else it is the language of holy Qur'an. For these reasons the University established the Department of Arabic the very year it was founded. The Department imparts teaching at under - and post graduate levels and conducts M.Phil. & Ph. D. Programmes. The passouts find employment in various organizations.

Besides conducting routine classroom teaching, the Department has been regularly organizing seminars, workshops, poetic symposia, exhibitions, Qirat competitions etc, at national and state level.

B. A. Arabic (Hons.)

This is the first Honours Programme launched in Jammu & Kashmir State. The Honours programme is of 3 - years duration, comprising 6 Semesters. The detailed Course Curriculum is given below:

Course Curriculum

Semester I

Course Code	Course Title
BAR 121	Arabic Text - I
BAR 122	Arabic Grammar (Syntax & Morphology) - I
BAR 123	Translation & Composition - I
BAR 124	Oral expression in Arabic - I
BAR 125	Urdu (Ghazal & Nazm) - I
BAR 126	Islamic Studies (Islam: Early Phase) - I
BAR 127	General English - I

Semester II

Course Code	Course Title
BAR 221	Arabic Text - II
BAR 222	Arabic Grammar (Syntax & Morphology) - II
BAR 223	Translation & Composition - II
BAR 224	Oral expression in Arabic - I
BAR 225	Urdu (Qasida, Marsiah, Masnawi & Rubayee) - II
BAR 226	Islamic Studies (Islam: a way of life) - II
BAR 227	General English - II

Semester III

Course Code	Course Title
BAR 321	Arabic Text - III
BAR 322	Arabic Grammar (Syntax & Morphology) - III
BAR 323	Translation & Composition - III
BAR 324	Oral expression in Arabic - III
BAR 325	Urdu (Mazmoon Nigari & Khaka)- III
BAR 326	Islamic Studies (Islamic Civilization under the Abbasid & Muslim Spain)II
BAR 327	General English - IIII
BAR 328	Environmental Science

Semester IV

Course Code	Course Title
BAR 421	Arabic Text - IV
BAR 422	Arabic Grammar (Syntax & Morphology) - IV
BAR 423	Translation & Composition - IV
BAR 424	Oral expression in Arabic - IV
BAR 425	Urdu (Novel & Afsana) - IV
BAR 426	Islamic Studies (Islamic Religious Sciences)-IV
BAR 427	General English - IV

Semester V

Course Code	Course Title
BAR 521	Arabic Prose & Poetry - I
BAR 522	Arabic Grammar (Syntax & Morphology) - V
BAR 523	Translation & Composition - V
BAR 524	Oral expression in Arabic - V
BAR 525	Introduction to the Arab World
BAR 526	Urdu (Drama & Tanzo Mazah) - V

Semester VI	
Course Code	**Course Title**
BAR 621	Arabic Prose & Poetry -II
BAR 622	Arabic Grammar (Syntax & Morphology) - VI
BAR 623	Translation & Composition - VI
BAR 624	Oral expression in Arabic - VI
BAR 625	History of Arabic Literature
BAR 626	Urdu (Adabi Tanqeed) VI
BAR 527	Islamic Studies (Islamic Tenets & Institutions) -VI
BAR 528	General English - VI

Intake : **(Total Seats : 30)**

General : **20**

Self-Supporting : **10**

Eligibility for Admission

- Passed 10+2 examination from any recognized Board of Senior Secondary School Education.
- Candidates appearing in the qualifying examination and those whose result of the qualifying examination is awaited can also apply provisionally.

Admission to B. A. Arabic (Hons.) is made on the basis of merit secured by the applicants in the qualifying examination.

Fee Structure Per Semester

1.	Admission Fee		:	Rs. 1,300/-
2.	Tuition Fee			
	i.	Semester First	:	Rs. 4,500/-
	ii.	Semester Second	:	Rs. 5,500/-
	iii.	Semester Third	:	Rs. 5,500/-
	iv.	Semester Fourth	:	Rs. 5,500/-
	v.	Semester Fifth	:	Rs. 5,500/-
	vi.	Semester Sixth	:	Rs. 5,500/-
3.	Career Counseling & Placement Assistance		:	Rs. 500/-
4.	Library Fee		:	Rs. 750/-
5.	Sports Fee		:	Rs. 750/-
6.	Computer Lab. Fee		:	Rs. 750/-
7.	Laboratory Maintenance Fee		:	Rs. 750/-
8.	University Development Fund		:	Rs. 750/-
9.	University Corpus Fund		:	Rs. 1,000/-
10.	One Time Security (Refundable)		:	Rs. 1,000/-
11.	Self-Supporting Fee (One Time)		:	Rs. 60,000/-

M. A. Arabic

The Masters programme in Arabic is of 2 - Years duration and consists of 4 semesters full-time programme. Every enrolled student is required to pass 16 theory and viva - voce courses. Apart from Arabic, the students are imparted teaching in Communicative English and Computer fundamentals which improves their employability.

Course Curriculum

Semester I

Course Code	Course Title
MAR 151	Classical Arabic Prose - I
MAR 152	Classical Arabic Poetry - I
MAR 153	History of Arabic Literature - I
MAR 154	Applied Arabic Grammar
MAR 155	Essentials of Arabic Morphology
MAR 156	Oral Expression in Arabic - I
MAR 157	Communicative English - I

Semester II

Course Code	Course Title
MAR 251	Classical Arabic Prose - II
MAR 252	Classical Arabic Poetry - II
MAR 253	History of Arabic Literature - II
MAR 254	Translation: Arabic English and Vice Versa -I
MAR 255	Oral Expression in Arabic - II
MAR 256	Communicative English - II

Choice Based Open Elective Courses (Any one of the following)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Language & Literature
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Language & Literature
ECP 248	Introduction to Pahari Language & Literature
ECK 249	Introduction to Kashmiri Language & Literature
IS 250	Spirituality & Islam

Semester III

Course Code	Course Title
MAR 351	Modern Arabic Prose - I
MAR 352	Modern Arabic Poetry - I
MAR 353	Translation: Arabic English and Vice Versa -II
MAR 354	Fundamentals of Literary Criticism
MAR 355	Fundamentals of Rhetoric
MAR 356	Oral Expression in Arabic - III
Electives	**(Any one of the following)**
MAR 357	Arabic Literature in India
MAR 358	Mahjar Literature
MAR 359	History Arabic Literature in Spain
MAR 360	Arabic Prose & Poetry in Spain
MAR 361	Modern Trends in Arabic Literature

Semester IV

Course Code	Course Title
MAR 451	Modern Arabic Prose - II
MAR 452	Modern Arabic Poetry - II
MAR 453	Translation: English Arabic & Vice Versa-III
MAR 454	Research Methodology
MAR 455	Arabic Linguistics
MAR 456	Oral Expression in Arabic - IV
MAR 457	Project - Viva Voce

Intake : (Total Seats : 30)

General	:	**25**	10% of the general seats (2.5) are reserved for B.A. Arabic (Hons.) passouts of BGSB University. However, they will also be required to fulfill all the eligibility requirements.
Self-Supporting	:	**05**	

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) or any other degree equivalent thereto from a recognized university with Arabic as one of the subjects.
- Candidates who have appeared or are appearing in the Final Year examination of the qualifying degree are also eligible to apply provisionally.

For admission to Masters in Arabic programme merit will be calculated by adding marks secured by applicants in Arabic paper in B.A. Part I, II & III Exams. to their total marks in the Bachelor's degree examination.

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	I. Semester First	:	Rs. 17,500/-
	ii. Semester Second	:	Rs. 18,500/-
	iii. Semester Third	:	Rs. 18,500/-
	iv. Semester Fourth	:	Rs. 18,500/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self-Supporting Fee (One Time)	:	Rs. 60,000/-

M. Phil. & Ph. D. programmes

The Department has M. Phil. & Ph. D. scholars on rolls. A number of M. Phil. & Ph.D. Scholars have already passed out. For admission procedure to these programmes, refer chapter 'Research Programmes' of Admission Prospectus.

Faculty	Designation	Qualification
● Prof. G. M. Malik	**Dean**	M. A., M. Ed., M. Phil. Ph. D.
● Dr. Shams Kamal Anjum	**Head of the Department**	M. A., Ph. D.
● Dr. Md. Affan		M. A., M. Phil., Ph. D.
● Dr. Mohd. Azam		M. A., M. Phil., Ph. D.
● Dr. Manzar Alam		M. A., M. Phil., Ph. D.
● Dr. Aqeela		M. A., Ph. D.
● Dr. Ibrahem		M. A., M. Phil., Ph.D. (NET-JRF)
● Mr. Parveen Kumar		M. A. M. Phil.

Guest Faculty

Prof. Mohsin Usmani	Former Dean, Faculty of Arts, FLU, Hyderabad
Prof. Zubair Ahmed Farooqi	Former HoD Arabic, JMI, New Delhi
Prof. Kafeel Qasmi	Former Dean of Arts, AMU
Prof. M. N. Khan	Head, Deptt. of Arabic, Delhi University
Prof. M. Aslam Islahi	Former Dean, School of Languages, JNU
Prof. Mohd. Aiyoub Nadvi	Former HoD Arabic, JMI, New Delhi
Prof. Mujeebur Rahman	Deptt. of Arabic, JNU
Prof. Rizwanur Rahman	Chair Person, Centre of Arabic, JNU, New Delhi
Prof. Shad Hussain	Former HoD, Arabic, University of Kashmir

M. A. Islamic Studies

School of Islamic Studies and Languages is one of the eight Schools which were initially conceived at the time of inception of this University way back in 2005. For a little over a decade the School continued with a single Department, namely Department of Arabic which offers B.A. Arabic (Hons.), M.A. Arabic, M.Phil. and Ph.D. programmes. Department of English was added in 2014. All along this period, the need was felt to start M.A. in Islamic Studies, which was finally started in August 2017.

The above programme has opened avenues for passouts from dozens of Colleges of the State which teach Islamic Studies as an elective subject at under-graduate level. The programme will help learners in exploring Islam as religion, promoting study of Islamic culture and civilization besides imparting knowledge about social, political, economic and cultural trends in Arab World & other Muslim Countries.

The areas of study of the programme will include history of Islam, Islamic Religious Sciences (Quran, Hadith & Fiqh), Spirituality in Islam, Comparative study of religions, Muslim Philosophy and Islam in the Modern World (Thinkers, Movements & Trends). The programme is thus proposed to help learners in exploring Islam as Religion, promoting study of 'Islamic Culture and Civilization' besides Inter-Community relations & interfaith dialogue.

Course Curriculum

Semester I

Course Code	Course Title
MIS 111	History of Islamic Civilzation (upto Khulafa-i-Rashidin)
MIS 112	Introduction to Islamic Studies
MIS 113	Islamic Religious Sciences - I (Study of the Quran)
MIS 114	Islamic Religious Sciences - II (Study of the Hadith)
MIS 115	Proficiency in Arabic - I
MIS 116	Research Methodology

Semester II

Course Code	Course Title
MIS 211	History of Islamic Civilization (Umayyads and Abbasids)
MIS 212	Ilm-al-Kalam and Muslim Philosophy
MIS 213	Islamic Religious Sciences-III (Study of Fiqh)
MIS 214	Human Rights in Islam
MIS 215	Proficiency in Arabic - II

Choice Based Open Elective Courses (Opt any one of the following courses)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit
IS 250	Spirituality & Islam .

Semester III

Course Code	Course Title
MIS 311	History of Islamic Civilization (West Asia and Africa)
MIS 312	Islam in Modern World -West Asia & Africa (Thinkers, Trends & Movements)
MIS 313	Tasawwuf : Origin & Development
MIS 314	Ethics in Islam
MIS 315	Proficiency in Arabic - III

Complementary Choice based Electives (Any one of the following)

MIS 316	Islamic Economics & Finance
MIS 317	Islam & Science
MIS 318	Islam & Gender Studies
MIS 319	Islamic Culture & Society in Jammu & Kashmir
MIS 320	Contemporary Global Issues and Islamic Response

Semester IV	
Course Code	**Course Title**
MAI 411	History of Islamic Civilization (South Asia)
MIS 412	Islam in the Modern World: South Asia (Thinkers, Trends & Movements)
MIS 413	Major World Religions
MIS 414	Islam and Fine Arts
MIS 415	Proficiency in Arabic - IV
MIS 416	Dissertation & Viva - Voce

Intake : 30

General	:	**25**
Self Supporting	:	**05**

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) or any other degree equivalent thereto from a recognized university.
- Candidates who have appeared or are appearing in the Final Year examination of the qualifying degree are also eligible to apply provisionally.

Selection shall be made on the basis of the marks secured by the candidates in qualifying Examination.

Fee Structure Per Semester

1.	Admission Fee		:	Rs. 1,300/-
2.	Tuition Fee			
	i.	Semester First	:	Rs. 7,000/-
	ii.	Semester Second	:	Rs. 8,000/-
	iii.	Semester Third	:	Rs. 8,000/-
	iv.	Semester Fourth	:	Rs. 8,000/-
3.	Career Counseling & Placement Assistance		:	Rs. 1,000/-
4.	Library Fee		:	Rs. 900/-
5.	Sports Fee		:	Rs. 900/-
6.	Computer Lab. Fee		:	Rs. 900/-
7.	Laboratory Maintenance Fee		:	Rs. 900/-
8.	University Development Fund		:	Rs. 900/-
9.	University Corpus Fund		:	Rs. 1,000/-
10.	One Time Security (Refundable)		:	Rs. 1,000/-
11.	Self-Supporting Fee (One Time)		:	Rs. 60,000/-

M. Phil. & Ph. D. programmes

The Department offers research programmes leading to M. Phil. & Ph. D. degrees in Islamic Studies. For details regarding for these programmes, refer chapter 'Research porgammes' of Admission Prospectus.

Faculty	Designation	Qualification
● Prof. G. M. Malik	**Dean**	M. A., M. Ed., M. Phil., Ph. D.
● Dr. Shams Kamal Anjum	**Head of the Department**	M. A., Ph. D
● Dr. Naseem Gul Dar		M. A. Islamic Studies, NET, Ph. D.
● Dr. Md. Rafique Anjum		M. A. Islamic Studies, NET, Ph. D.
● Mr. Mohd. Ashraf		M. A. Islamic Studies, NET-JRF
● Mr. Ishfaq Amin Parrey		M. A. Islamic Studies, M. Phil.,NET

M. A. Urdu

The University has School of Islamic Studies and Languages with Masters programmes in Arabic, Islamic Studies and English. Urdu is taught at undergraduate level to students of B. A. Arabic (Hons.) There was persistent demand for introduction of Masters Degree programme in Urdu in view of the fact that it is taught at undergraduate level in all Colleges of the twin districts of Rajouri and Poonch and the passouts have no avenues for pursuing it at postgraduate level. Moreover Urdu is the official language of Jammu & Kashmir State and the second most popular language of the country.

Course Curriculum

Semester I

Course Code	Course Title
MUR 111	Classical Urdu Ghazal
MUR 112	Urdu Masnavi
MUR 113	Urdu Qasida
MUR 114	Urdu Marsiya
MUR 115	Urdu Zuban Ki Tareekh

Semester II

Course Code	Course Title
MUR 211	Jadeed Urdu Ghazal
MUR 212	Jadeed Urdu Nazm
MUR 213	Urdu Novel
MUR 214	Urdu Afsana

Choice Based Open Elective Courses (Any one of the following courses)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang. & Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Aplp. & Operations
HT 245	Basics of Tourism & Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang. & Lit.
ECP 248	Introduction to Pahari Lang. & Lit.
ECK 249	Introduction to Kashmiri Lang. & Lit.

Semester III

Course Code	Course Title
MUR 311	Ghair Afsanavi Nasr
MUR 312	Urdu Adab ki Tareekh
MUR 313	Urdu Drama
MUR 314	Urdu mein Adabi Tehreekat-o-Rujhanat
Electives	**(Any one of the following)**
MUR 315	Special Study of Mir Taqi Mir
MUR 316	Special Study of Allama Iqbal
MUR 317	Special Study of Prem Chand
MUR 318	Special Study of Sir Syed
MUR 319	Translation Urdu to English and Vice Versa

Semester IV

Course Code	Course Title
MUR 411	Urdu Tahqueeq
MUR 412	Urdu Tanqeed
MUR 413	Urdu mein Taneesiyat
MUR 414	Zaraye Tarseel-o-Iblagh
MUR 415	Project Report (Maqala)

Intake : (Total Seats : 30)

General : **25**

Self-Supporting : **05**

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) or any other degree equivalent thereto from a recognized university with Urdu as one of the subjects.
- Candidates who have appeared or are appearing in the Final Year examination of the qualifying degree are also eligible to apply provisionally.

Selection shall be made on the basis of the marks secured by the candidates in qualifying examination plus marks in Urdu.

M. Phil. & Ph.D. programmes

The Department offers research programmes leading to M. Phil. & Ph. D. degrees in Urdu. For details regarding for these programmes, refer chapter 'Research porgammes' of Admission Prospectus.

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	i. Semester First	:	Rs. 18,000/-
	ii. Semester Second	:	Rs. 18,000/-
	iii. Semester Third	:	Rs. 18,250/-
	iv. Semester Fourth	:	Rs. 18,500/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self-Supporting Fee (One Time)	:	Rs. 60,000/-

Faculty	Designation	Qualification
● Prof. G. M. Malik	**Dean**	M. A., M. Ed., M. Phil., Ph. D.
● Dr. Shams Kamal Anjum	**Head of the Department**	M. A., Ph. D.
● Dr. Mushtaq Ahmed Wani		M. A., D. Lit., Ph. D.
● Dr. Layaqat Nayyar		M. A., Ph. D.
● Dr. Mohd. Asaf Malik		M. A., Ph. D.
● Dr. Rizwana Shamsi		M. A., M. Phil., Ph. D., NET

M.A. English

On account of its reach and richness, English language has grown in its popularity and has become the lingua franca. Even countries averse to it in the past are attempting to gain proficiency in this language. With the world having shrunk and the job and trade markets becoming open to all irrespective of nationality more and more young Indians are moving out of the Country in pursuit of greener pastures. Proficiency in English provides them an edge over others. No wonder, therefore, it is satisfying to find Indians occupying high positions in all spheres the World over.

Indians have lately taken to writing in English. Quite a few have earned distinction and their writings are in great demand. In view of its richness as language and the help it provides in gaining employability, the University has started full time post - graduate programme in English of two years duration and consists of four semesters.

Academic Activities

- Exhibition on "Art and Culture of Jammu and Kashmir".
- Student Seminar on the Eve of Gandhi Jayanti in October,on the topic "Relevance of Gandhian Philosophy in Modern Times".
- Study visits to regional writers.
- Lecture series delivered by prominent regional writers.
- Study visit to Shah Sattaar.
- Exhibition of "Women Writers".

Course Curriculum

Semester I

Course Code	Course Title
Eng 111	Literary Theory & Criticism - I
Eng 112	British Drama - I
Eng 113	British Poetry - I
Eng 114	British Novel - I
Eng 115	British Non - Fictional Prose

Semester II

Course Code	Course Title
Eng 222	Literary Theory and Criticism - II
Eng 223	British Drama - II
Eng 224	British Poetry - II
Eng 225	British Novel - II
Choice Based Open Elective Courses (Opt any one of the following courses)	
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivationt
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Lang. & Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam

Semester III

Course Code	Course Title
Eng 333	Literary Theory&Criticism - III
Eng 334	Modern Drama
Eng 335	Modern Poetry
Eng 336	Modern Novel
Eng 337	English Language Teaching (ELT)

Semester IV

Course Code	Course Title
Eng 444	American Literature
Eng 445	Indian Writing in English
Eng 446	New Literature
Eng 447	Literature in Translation
Choice Based Complementary Elective Courses (One of the following courses)	
Eng 555	Literature and Gender
Eng 556	Aspects of Language
Eng 557	World Literature

Intake	**:**	**(Total Seats : 40)**
General	:	**30**
Self-Supporting	:	**10**

Eligibility for Admission

- Bachelors' degree of 10+2+3 pattern with English Literature as one of the subjects or any other degree recognized equivalent thereto from any recognized university. In case seats are available graduates without English Literature will be considered.
- Candidates who have appeared or are appearing in the Final Year examination of the qualifying degree are also eligible to apply provisionally.

For admission to Masters Degree Programme in English, merit will be calculated by adding marks secured by applicants in English Literature in B. A Part I, II & III exams to their total marks in Bachelors Degree examination.

Fee Structure Per Semester

1.	Admission Fee		:	Rs. 1,300/-
2.	Tuition Fee			
	i.	Semester First	:	Rs. 26,000/-
	ii.	Semester Second	:	Rs. 26,500/-
	iii.	Semester Third	:	Rs. 27,000/-
	iv.	Semester Fourth	:	Rs. 27,000/-
3.	Career Counseling & Placement Assistance		:	Rs. 1,000/-
4.	Library Fee		:	Rs. 900/-
5.	Sports Fee		:	Rs. 900/-
6.	Science / Computer Lab. Fee		:	Rs. 900/-
7.	Laboratory Maintenance Fee		:	Rs. 900/-
8.	University Development Fund		:	Rs. 900/-
9.	University Corpus Fund		:	Rs. 1,000/-
10.	One Time Security (Refundable)		:	Rs. 1,000/-
11.	Self-Supporting (One Time)		:	Rs. 80,000/-

M. Phil. & Ph. D. Programmes

The Department offers research programmes leading to M. Phil. & Ph. D. degrees in English. For details regarding for these programmes, refer chapter 'Research porgammes' of Admission Prospectus.

Faculty	Designation	Qualification
● Prof. G. M. Malik	**Dean**	M. A., M. Ed., M. Phil., Ph. D.
● Dr. Romina Rashid	**Head of the Department**	M. A., Ph. D., SLET
● Dr. Mariya Aslam		B.Ed., M. A., SET, Ph.D.
● Dr. Shachi Sood		M. A., Ph. D.
● Mr. Tanvir Ahmed		M. A., M. Phil., SET
● Dr. Shah Sajad Hyder		B. Ed., M. A., Ph.D.

School of Education

Department of Education

- B. Ed.
- M. Ed.
- M. A. Education
- PG Diploma in Early Childhood Care & Education
- M. Phil. & Ph. D.

School of Education

Profile

The Department was established in 2014. The faculty is contributing considerably to the promotion of teaching and research in Education. The course contents are in tune with changing trends in teaching and learning technologies, resources and services and systems and networks. The Department aims at providing instruction by making use of a combination of indigenous and innovative methods of teaching. Curriculum is constantly evolving on globally acceptable changes and continuously renewing itself through rigorous programme evaluation.

Vision

To emerge as an nationally / internationally accredited Department of Education with a capacity to design and provide quality assured opportunities of studies, extension, development, consultancy and research in Education.

Mission

To produce nationally / globally acceptable Human Resources through :

- Instruction : Providing instruction by making use of a combination of indigenous and Innovative methods of teaching.
- Curriculum: Evolving globally acceptable curriculum and continuously renewing the same by means of programme evaluation.
- Research: Advancing the frontiers of knowledge in Education and Teacher education by means of both quantitative and qualitative researches at basic, applied and action level.
- Extension: Extending the wealth of knowledge of education to the practitioners of education and hitherto inaccessible sections of the society.
- Development: Developing advanced programmes, tools and techniques which are useful in the field of education.

Bachelor of Education (B. Ed.)

The University has launched Bachelor of Education (B.Ed.) programme with the aim to develop an understanding of teaching-learning process at secondary and senior secondary level among student teachers. Its focus shall be on enabling student teachers to reflect critically on perspectives of Education and integrate holistically the theory and practices to facilitate active engagement of learners for knowledge creation. The B. Ed. programme shall also focus on:

- developing an understanding of context of education in contemporary Indian society,
- appreciating the role of context and socio - political realties about learners in facilitating learning in inclusive settings,
- creating sensitivity about language diversity in class rooms and its role in teaching learning process,
- developing an understanding of paradigm shift in conceptualizing disciplinary knowledge in School curriculum,
- identifying, challenging and over coming gender inequalities in school, classroom, curricula, text books, social institutions etc.,
- enabling student-teachers to acquire necessary competencies for organizing learning experiences,
- developing competencies among student-teachers to select and use appropriate assessment Strategies for facilitating learning,
- systematizing, experiencing and strengthening the professional competencies of student-teachers, and
- providing first hand experience of all the school activities through engaging student-teachers as interns in secondary / senior secondary schools.

Course Curriculum

Semester I

Course Code	Course Title
BED 101	Philosophical Foundation of Education
BED 102	Education in Socio- Economic context of India
BED 103	Psychological Perspectives of Learning
BED 104	Elementary Education
BED 105	ICT Skills
Elective - I	**(Any one of the following)**
BED 106	Pedagogy of English
BED 107	Pedagogy of Urdu
BED 108	Pedagogy of Hindi

Semester II

Course Code	Course Title
BED 201	Measurement & Evaluation in Education
BED 202	Contemporary Issues & Concerns in Secondary Education
BED 203	Modern trends in Teaching - Learning Process
BED 204	Health & Physical Education
BED 205	Language Proficiency
Elective - II	**(Any one of the following)**
BED 206	Pedagogy of Bio-sciences
BED 207	Pedagogy of Physical Science
BED 208	Pedagogy of Home Science
BED 209	Pedagogy of Mathematics
BED 210	Pedagogy of History & Civics
BED 211	Pedagogy of Geography

Semester III

Course Code	Course Title
BED 301	Initiatory School Experiences
BED 302	Internship in Teaching (Micro & Macro level Practice of Teaching)
BED 303	General School Activities

Semester IV

Course Code	Course Title
BED 401	Inclusive Education
BED 402	School Management
BED 403	Guidance & Counselling
BED 404	Environmental Education
BED 405	Communication Skills

Intake : (Total Seats : 50)

General	:	**35**
In-Service	:	**10**
Self Supporting	:	**05**

Eligibility for Admission

- Bachelors' degree of 10+2+3 pattern with 45% (40% for SC/ST) marks .
- In-service candidates having minimum 3 years teaching experience in a private / Government School are also eligible provided they attach an NOC and a certificate from their employer stating that he / she shall be sanctioned leave during the period of B.Ed. programme.

Selection shall be made on the basis of the marks secured by the candidates in qualifying examination.

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	i. Semester First	:	Rs. 13,000/-
	ii. Semester Second	:	Rs. 13,250/-
	iii. Semester Third	:	Rs. 13,250/-
	iv. Semester Fourth	:	Rs. 13,250/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Science / Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self-Supprting (One Time)	:	Rs. 50,000/-

Master of Education (M. Ed.)

M. Ed. programme aims to prepare socially responsible and responsive teacher educators who are ready to face all the challenges accompanying globalization. The School supports this endeavour through provisions of state-of-the-art infrastructure and qualified faculty.

The M. Ed. programme has been designed keeping in view of the following objectives:

- To produce dedicated teacher Educators who believe in life long learning.
- Set high standards of high professional competency of intellectual conviction and integrity.
- Have a clear futuristic vision and aspiration for improving the teaching learning process as professionals.
- Be inspiring and motivational leaders in the schools, community, nation and the world.
- To educate a new cadre of instructional leaders, teachers, educators, school entrepreneurship and administrators who will have the capacity, skills and knowledge to create and sustain environments in modern day education.
- To equip the teacher with the knowledge and skills of new technologies focusing on understanding the principles of organizational management.

Course Curriculum

Semester I

Course Code	Course Title
M.Ed 121	Philosophical Perspectives of Education -I
M.Ed 122	Psychological perspectives of Education-I
M.Ed 123	Development of Education System in India
M.Ed 124	Methodology of Educational Research-I
Practicum	
M.Ed 125	Self Development (Communication & Expository Writing)
M.Ed 126	Computer Fundamentals & its Applications

Semester II

Course Code	Course Title
M.Ed 221	Sociological Perspectives of Education-I
M.Ed 222	Philosophical Perspectives of Education -II
M.Ed 223	Psychological perspectives of Education-II
M.Ed 224	Comparative Education & Curriculum Development

Choice Based Open Elective Courses (One of the following courses)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Appli. & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang. & Lit.
IS 250	Spirituality & Islam

Semester III

Course Code	Course Title
M.Ed 321	Methodology of Educational Research-II
M.Ed 322	Sociological Foundation of Education-I
M.Ed 323	Educational Measurement and Evaluation.

M.Ed 324	Field attachment / Internship
Choice Based Complementary Elective Courses (Opt one of the following courses)	
M.Ed 325	Environmental Education
M.Ed 326	Gender Studies
M.Ed 327	Peace Education
M.Ed 328	Inclusive Education
M.Ed 329	Mental Health & Education
M.Ed 330	Information & Communication Technology
M.Ed 331	Early Childhood Care & Education

Semester IV

Course Code	**Course Title**
M.Ed 421	Statistics in Education & Psychology
M.Ed 422	Teacher Education
M.Ed 423	Educational Administration & Management
M.Ed 424	Dissertation / Optional Papers
Choice Based Complementary Elective Courses (One of the following courses)	
M.Ed 425	Instructional Technology
M.Ed 426	Guidance & Counseling
M.Ed 427	Value Education
M.Ed 428	Education of Disadvantaged groups
M.Ed 429	Special Education
M.Ed 430	Concepts & Issues in Curriculum
M.Ed 431	Foundation of Distance Education

Intake : (Total Seats : 50)

General : 40

Self-Supporting : **10**

Eligibility for Admission

- Bachelors' degree of 10+2+3 pattern and B. Ed. Degree
- Candidates appearing in the Examination of the qualifying degree i.e B. Ed. and those whose result of the same is awaited, can also apply provisionally.
- In-service candidates having minimum 3 years teaching experience in a private / Government School are also eligible provided they attach an NOC and a certificate from their employer stating that he / she shall be sanctioned leave during the period of M.Ed. programme.

Selection shall be made on the basis of the marks secured by the candidates in qualifying examination.

Fee Structure Per Semester

1.	Admission Fee		:	Rs. 1,300/-
2.	Tuition Fee			
	i.	Semester First	:	Rs. 13,500/-
	ii.	Semester Second	:	Rs. 13,500/-
	iii.	Semester Third	:	Rs. 13,500/-
	iv.	Semester Fourth	:	Rs. 13,500/-
3.	Career Counseling & Placement Assistance		:	Rs. 1000/-
4.	Library Fee		:	Rs. 900/-
5.	Sports Fee		:	Rs. 900/-
6.	Science / Computer Lab. Fee		:	Rs. 900/-
7.	Laboratory Maintenance Fee		:	Rs. 900/-
8.	University Development Fund		:	Rs. 900/-
9.	University Corpus Fund		:	Rs. 1,000/-
10.	One Time Security (Refundable)		:	Rs. 1,000/-
11.	Self-Supporting (One Time)		:	Rs. 1,50,000/-

M. A. Education

The Master of Arts in Education (M. A. Education) is a two year (04 semester) programme that provides an opportunity for students in the field of Education to pursue higher education and undertake advanced course work and research. The course offers excellent career prospects in terms of advancement of knowledge and qualification and ultimately making them qualified professional and later researchers.

The M.A. Education programme aims at producing a team of well-trained individuals knowledgeable in Education and its various dimensions. More specifically the M. A. Education programme intends to:

- Provide learning experience, which will enable students to understand and appreciate knowledge structure paradigms of Education.
- Develop professional for effective participation in educational actions in different areas of Education.
- Create a community of scholars adequately equipped for participation in Educational discourses.

Course Curriculum

Semester I

Course Code	Course Title
M.A-Ed 101	Philosophical Perspectives of Education-I
M.A-Ed 102	Sociological Foundations of Education-I
M.A-Ed 103	Psychological Foundations of Education-I
SEC	Skill Enhancement Course Personality Development
Optional Papers (Any one of the following)	
M.A-Ed 104	Early Childhood Care and Education (ECCE)
M.A-Ed 105	Guidance and Counselling
M.A-Ed 106	Adolescence Education
M.A-Ed 107	Environmental Education

Semester II

Course Code	Course Title
M.A-Ed 201	Philosophical Perspectives of Education-II
M.A-Ed 202	Sociological Foundations of Education-II
M.A-Ed 203	Psychological Foundations of Education-II
AEC	Ability Enhancement Course-Mental Health and Adjustment
Optional Papers (Any one of the following)	
M.A-Ed 204	Education and Mental Health
M.A-Ed 205	Gender Education
M.A-Ed 206	Comparative Education
M.A-Ed 207	Elementary Education

Semester III

Course Code	Course Title
M.A-Ed 301	Methodology of Educational Research-I
M.A-Ed 302	Policy Perspectives & Issues in Indian Education
M.A-Ed 303	Statistics in Education
OGE-I	Open Generic Elective (Value Education)
Optional Papers (Any one of the following)	
M.A-Ed 304	Special Education
M.A-Ed 305	Teacher Education
M.A-Ed 306	Educational Planning and Finance
M.A-Ed 307	Secondary Education

Semester IV

Course Code	Course Title
M.A-Ed 401	Methodology of Educational Research-II
M.A-Ed 402	Instructional Technology
M.A-Ed 403	Educational Measurement and Evaluation
OGE-II	**Open Generic Elective (Higher Education)**
Optional Papers (Any one of the following)	
M.A-Ed 404	Educational Administration and Supervision
M.A-Ed 405	Curriculum Development
M.A-Ed 406	Value Education
M.A-Ed 407	Higher Education
M.A-Ed 408	Dissertation

Intake	:	**(Total Seats : 50)**
General	:	**40**
Self-Supporting	:	**10**

Eligibility for Admission

A candidate seeking admission to regular M. A. Education programme must have passed final year of Bachelor's Degree Examination (10+02+03) with Education as an Elective / additional subject from a recognized University / Institution with at least 45% aggregate marks (40% for SC/ST Candidates).

Selection shall be made on the basis of the marks secured by the candidates in qualifying examination.

Fee Structure Per Semester

1.	Admission Fee	:	Rs.	1,300/-
2.	Tuition Fee			
	i. Semester First	:	Rs.	10,000/-
	ii. Semester Second	:	Rs.	10,000/-
	iii. Semester Third	:	Rs.	10,000/-
	iv. Semester Fourth	:	Rs.	10,000/-
3.	Career Counseling & Placement Assistance	:	Rs.	1,000/-
4.	Library Fee	:	Rs.	900/-
5.	Sports Fee	:	Rs.	900/-
6.	Science / Computer Lab. Fee	:	Rs.	900/-
7.	Laboratory Maintenance Fee	:	Rs.	900/-
8.	University Development Fund	:	Rs.	900/-
9.	University Corpus Fund	:	Rs.	1,000/-
10.	One Time Security (Refundable)	:	Rs.	1,000/-
11.	Self-Supporting (One Time)	:	Rs.	1,50,000/-

Post Graduate Diploma in Early Childhood Care and Education (PGDECCE)

The present course attempts to prepare the PGDECCE teachers to interact meaningfully with young children in contemporary India. The course is built on an understanding of the child as an active participant and also as a keen observer of surrounding activities. The PGDECCE professionals should be able to understand the interrelating aspects of development and evolve activities with children that foster participatory learning experiences. The course appreciates the importance of field education and provides several opportunities to the teacher to interact with children and experiment with teaching learning processes & integrate the value of theories with real life situations. It is widely recognized that early childhood is a crucial period for the sound development of young children and the missed opportunities during these early years cannot be made up at later stages of child's life. Early childhood is a critical period for realizing children's optimal potential. The objectives of the course are to inculcate among the ECCE teachers a deep understanding about the features of early years.

Programme Objectives: The programme shall focus on the following:

- To understand the theoretical basis and principles of early Childhood Care and Education based on child development;
- To understand the rights and development needs of children from conception to the age of 6 years;
- To sensitize and reflect on the perspectives, priorities and problems of early childhood and early primary education;

- To develop insight into the process of child development and learning;
- To plan and implement such tasks which shall meet children's need for health, protection, nutrition, education and development;
- To organise, plan and administer the Day Care Centres and Pre School;
- To network with parents, community and other organizations to generate awareness and seek their involvement in ECCE Programmes;
- To provide appropriate interventions to meet requirements of an inclusive classroom;
- To create awareness about the language and cultural diversity that comprises the Indian social fabric and many co-existing social realities;
- To develop skill sets appropriate for transacting Activity Based Learning.

Course Curriculum

Semester I	
Course Code	**Course Title**
PGDECCE-101	Principles of Education
PGDECCE-102	Development During First Six Years
PGDECCE-103	Health & Hygiene
PGDECCE-104	Development of ECCE
PGDECCE-105	Pedagogy in Early Childhood Education

Semester II	
Course Code	**Course Title**
PGDECCE-201	Early Childhood in contemporary India
PGDECCE-202	Care, Early Interaction & Pedagogy
PGDECCE-203	Organiz. of Pre-School & Day Care
PGDECCE-204	Social Context of ECCE
PGDECCE-205	Internship

Duration : **1 year (2 Semesters)**

Eligibility for Admission : Graduation in any discipline with not less than 50% for General category and 45% for SC / ST.

Intake : (Total seats 30) **General : 25** **Self Supporting : 05**

Fee : Rs. 12,500/- (Per Semester)

M. Phil. & Ph. D. Programmes: M. Phil. & Ph. D. programmes of the School aims at developing competencies of the methodology of conducting research in various fields of teacher education so that it could go a long way in producing reliable and valid thesis with the objectives of :

- To develop sound understanding of the methods of research in various field of teacher education, so that it can go a long way in producing reliable and valid thesis.
- To understand and analyze research literature to identify research gaps.
- To develop the ability to construct and use appropriate educational research tools.
- To apply appropriate statistical techniques of data analysis depending on the research designs.

Faculty	Designation	Qualification
• Prof. G. M. Malik	**Dean & Head**	M. A., M. Ed., M. Phil., Ph. D., CMPAE
• Dr. Nayyar Jabeen		M. Sc., M. Ed., Ph. D., NET
• Dr. Nasreen Qusar		B. Ed., M. A., Ph. D.
• Dr. Azad Ahmad Andrabi		M. Sc., M. A., M. Ed., Ph. D., NET
• Dr. Sheikh Aabid		M. A., M. Ed., M. Phil., Ph. D.
• Dr. Ghulam Sarwer		B.Ed., M. A., NET & SET, Ph. D.
• Dr. Sheeraz Ayoub Kochey		M.Ed., M. Sc. Zoology., Ph. D., NET
• Ms. Rafia Khan		B.Ed., M. A., CIG, NET
• Ms. Sayema Kouser		M. A., M. Ed.
• Ms. Beenish Majid Mir		M. A. English, M. Ed.
• Ms. Mehnaz Akhtar		M. A. Education, B. Ed., NET

School of Biosciences & Biotechnology

Centre for Biodiversity Studies

- M. Sc. Environmental Sciences

Department of Biotechnology

- M. Sc. Biotechnology
- M. Phil. & Ph. D.

Department of Botany

- M. Sc. Botany
- M. Phil. & Ph. D.

Department of Zoology

- M. Sc. Zoology
- M. Phil. & Ph. D.
- M. Sc. Microbiology

School of Biosciences and Biotechnology

The School comprises the Centre for Biodiversity Studies, the Pir Panjal Biodiversity Park and three postgraduate Departments which impart teaching in Biotechnology, Botany, Zoology, Microbiology. Research is an important component of the mandate of the School and the Centre for Biodiversity Studies, the other two being Teaching and Extension. The research programmes of the School have attracted liberal funding from different National agencies. Today, the School has over a dozen scholars involved in research in classical and modern biology. The faculty is well qualified. Besides being involved in their own research pursuits they supervise research leading to M.Phil. and Ph.D. degrees. The Department has produced seven Ph. D. theses and five batches of M. Phil.

Ongoing Research Projects

- Impact of climate change on phenology and reproductive biology of two economically important Himalayan plant species, Dodonaea Viscosa and Olea ferruginea. Himalayan Fellowship 2018 - 19 under national Mission on Himalayan Studies (NHMS).
  Principal Investigator : Dr. Susheel Verma **Rs. 16,069, 68**

- Development of DNA Barcode for rapid identification of Rhabditid nematodes (DBT, New Delhi)
  Principal Investigator : Dr. Ali Asghar Shah **Rs. 45,66,000**

- Bio activity of secondary metabolites and thallus extracts from Lichens against Pathogens (DBT, MS&T, GOI, New Delhi).
  Principal Investigator : Dr. Mamta Bhat **Rs. 8,00,000**

- Conservation Genetics and Species recovery of threatened Himalayan Trillium in Hirpora Wildlife Sanctuary, Kashmir Himalaya (DBT, New Delhi).
  Principal Investigator : Dr. Tanvir-Ul-Hassan Dar **Rs. 41,80,000**

- A biotechnological approach to elucidate adaptation mechanism, migration pattern and reproductive biology of indicator temperate – alpine plants in Himalayas in response to changing climate (DBT, New Delhi).
  Principal Investigator : Dr. Tanvir-Ul-Hassan Dar **Rs. 28,30,800**

- Livelihood enhancement and economic empowerment of Gujjar and Bakerwal Tribals through rural technology Interventions in District Rajouri (J&K), India (DST)
  Principal Investigator : Dr. Mohd Hanief **Rs. 13,12,000**

- Molecular mechanisms mediating protective effect of Mentha longifolia and Mentha arvensis against chemotherapy induced gastrointestinal mucositis in animal models (UGC, New Delhi).
  Principal Investigator : Dr. Raja Amir Hassan **Rs. 10,00,000**

- Evaluation of anthelminitic properties of etho-medicinal plants used by the Gujjar and Bakarwal tribes of Pirpanjal range of Jammu and Kashmir, against the animal parasitic disease, Fasciolosis and amphistomiasis. (UGC, New Delhi).
  Principal Investigator : Dr. M. A. Hannan Khan **Rs.10,00,000**

- Chemo-profiling and anticancer potential of Apium leptophyllum fruits (UGC, New Delhi).
  Principal Investigator : Dr. Mohd Salim Reshi **Rs.10,00,000**

- Species and phylogenetic diversity of caddis flies of Pirpanjal range using morphological and molecular approaches. (UGC, New Delhi).
  Principal Investigator : Dr. Sajad Hussain Parey **Rs.10,00,000**

- Enterpreneurship Development Among Tribal men and women through scientific beekeeping in District Rajouri,(J&K). (NHMS-MoEF).
  Principal Investigator : Dr. Sajad Hussain Parey **Rs. 57,38,880**

- Nitric oxide and polyamine mediated reversal of low temperature-induced photosynthetic inhibition in Lycopersicon esculentum (UGC, New Delhi).
  Principal Investigator : Dr. Mohd Asgar **Rs. 10,00,000**

- Study on expression of extended spectrum β - lactamase and metallo β - lactamase and screening rich repertoire of plant phytochemicals of Pir Panjal region affective of E.coli, (UGC, New Delhi).
  Principal Investigator : Dr. Arif Tasleem Jan **Rs. 10,00,000**

- Structural mapping of metallo-beta-lactamaseby investigating the role of active site, peripheral and structural amino acid residues on its catalytic proficiency using mutagenic approaches. UGC (Startup Grant)
  Principal Investigator : Dr. Mohd Shoeb Ahmad **Rs. 10,00,000**

- Developing methods for tolerance against drought and heat stress in *Zea mays* and *Phaseolus vulgaris* grown in Pir Panjal region of Jammu and Kashmir, DST-SERB.
  Principal Investigator : Dr. Mohd Asger **Rs. 33,00,000**

- Expressional and functional studies of Matrix Gla protein (MGP)towards elucidating its role and interaction with other proteins of extracellular matrix for rational drug designing in overcoming the odyssey of muscle loss), DST-SERB.
  Principal Investigator : Dr. Arif Tasleem Jan **Rs. 70,00,000**

Internet & Library

The School maintains a library which is being enriched regularly with financial support from DBT, Govt. of India, the UGC grant and gifts received from different sources.

- It also has a Wi-Fi enabled Internet facility which feeds all laboratories and teachers' cabins for use by the faculty and students.
- The School has received extramural funds for teaching and research from various funding agencies to the tune of about rupees 9 Crores.

Centre for Biodiversity Studies

Centre for Biodiversity Studies (CBS) was established in Baba Ghulam Shah Badshah University in the year 2005 as founder constituent of the School of Biosciences & Biotechnology. It started functioning in 2007, with the specific mandate to undertake studies on biodiversity of the local terrain in particular and of the Pir Panjal Himalayan mountain range in general. A comprehensive Road Map for its functioning was prepared in 2008. Following its establishment, two important adjuncts were added to it: the Biodiversity Park christened as the Pir Panjal Biodiversity Park, and the BGSBU Botanical Garden. The Centre is

involved in activities broadly classifiable into three categories:

1. Teaching (M.Sc. Environmental Sciences)
2. Research
3. Extension
4. Environmental Education

M.Sc. Environmental Sciences

Centre for Biodiversity Studies (CBS), as the founder constituent of the School of Biosciences and Biotechnology, is involved in Research, Extension and Environmental Education. The Centre traverses a broad range of academic and research pursuits across Natural and Social Sciences to promote Environmental education and research based on the interactions between the natural environment and human activities. Rooted in the tradition of the University, the Centre aspires to generate critical understanding of the subject that will benefit the students of the region. The Centre also seeks to bridge the current gap in the study of the environmental issues between the Western and the Eastern perspectives.

The Centre aims to focus on ecology and environment as not just an activity to be conducted in the ' natural;' or 'pristine ' ecosystems, but recognizes the ecological and environmental concerns in the human- dominated landscapes as a distinct, exciting and socially pertinent teaching and research agenda to pursue.

In order to further complement the aforesaid academic spectrum, the Centre offers a two- years Master's program in the Environmental Sciences. The course is designed to help the students to develop hands-on-training in Natural Resource Management, Biodiversity Conservation and Management, Environmental Impact Assessment, Wildlife, Environmental Chemistry , Remote Sensing, Ecology & Environmental Biology.

Course Curriculum

Semester I

Course Code	Course Title
EVS 101	Foundation Course on Ecology and Environment
EVS 102	Environmental Chemistry
EVS 103	Environmental Pollution
EVS 104	Basics of Earth Sciences
EVS 105	Natural Hazards and Disaster Management
Laboratory Courses	
EVS 160	Lab Course Based on EVS 102 and EVS 10404
EVS 161	Lab Course Based on EVS 103 and EVS 10504

Semester II

Course Code	Course Title
EVS 201	Natural Resources: Conservation and Management
EVS 202	Climate Change: Issues and Policies
EVS 203	Ecotoxicology
EVS 204	Environmental Economics
Open Elective Courses. Opt any one of the following	
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology

Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang & Lit.
IS 250	Spirituality & Islam

Laboratory Courses

EVS 260	Lab course based on EVS 201 and EVS 204
EVS 261	Lab course on EVS 202 & EVS 203 203

Semester III

Course Code	Course Title
EVS 301	Environmental Impact Assessment
EVS 302	Solid and Hazardous Waste Management
EVS 303	Biodiversity Conservation
EVS 304	Environmental Microbiology

Choice Based Elective Courses

EVS 305	Intellectual Property Rights
EVS 306	Forest Environment-I
EVS 307	Wildlife-I

Laboratory Courses

EVS 360	Lab course on EVS 301 & EVS 302
EVS 361	Lab course on EVS 303, EVS 304 and EVS 305/EVS 306/EVS 307

Semester IV

Course Code	Course Title
EVS 401	Environmental Laws
EVS 402	Remote Sensing and GIS
EVS 403	Biostatistics and Computer Applications
EVS 404	Dissertation

Choice Based Elective Courses

EVS 405	Aquatic Environment
EVS 406	Forest Environment II
EVS 407	Wildlife II

Laboratory Courses

EVS 460	Lab course on EVS 402, EVS 403 And EVS 405/EVS 406/EVS 407

Intake : (Total Seats : 15)

General : **10**

Self-Supporting : **05**

Eligibility for Admission

- Bachelor's degree from any recognized University with at least 55% marks or equivalent Grade Point Average (GPA) with any of the following subjects like Environmental Sciences, Botany, Zoology, Agriculture, Forestry, Chemistry, Microbiology, Geography, Geology, and Life Sciences.

Procedure of Admission

- For admission to Masters degree programme in Environmental Sciences, all eligible candidates are required to undergo written Entrance Test which will be conducted at BGSB University Campus, Rajouri & any other centres, if the University so decides.
- Syllabus and Model Question Paper for the Entrance Test will be available on the University website wherefrom these can be downloaded. Admit Card for Entrance Test will be collected by the candidates from the concerned School / Branch Office Jammu / Regional Office Srinagar.

Admission will be based on the Combined merit of students in the Entrance Test and the qualifying examination (70:30).

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	i. Semester First	:	Rs. 25,000/-
	ii. Semester Second	:	Rs. 25,000/-
	iii. Semester Third	:	Rs. 25,000/-
	iv. Semester Fourth	:	Rs. 25,000/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Science / Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self - Supporting fee (One Time)	:	Rs. 1,80,000/-

Research

In consonance with its mandate, research work in conventional and modern biology is being undertaken at CBS along the following lines:

1. Inventorization of plants, animals and microbes.
2. Exploration of intraspecific variation using morphological, cytological and molecular markers.
3. Estimation of species abundance.
4. Studying life-cycle patterns of dominant and economically useful taxa.
5. Identification of endemics, studying their abundance and attempting their multiplication.
6. Identification of rare and threatened species, and exploring the stress they are facing, remedying the causes, and attempting their conservation (both *in situ* and *ex situ*) and rehabilitation.
7. Locating exotics, including invasive species, assessing their impact on native taxa, and evolving methodology to contain them.
8. Exploration of plant-animal interactions of all kinds.

Extension

The achievements of Science and Technology have not percolated to masses, particularly in the Country's hinterlands to the extent desired. Rajouri Poonch belt is no exception. CBS has launched programme for imparting such skills to rural women as will help them to utilize bio-resources available at their doorsteps and convert them into assets, using technologies evolved in laboratories. These programmes aim at:

- Organizing women, trained in the above crafts, into co-operatives to initiate and encourage entrepreneurship.

- Arranging linkages between budding women entrepreneurs and the market.
- Linking rural women with banks to mobilize loans.
- Providing them technical support to foster bio-resources based enterprises.
- Organizing in-service training programmes for the staff of bio-resource related organizations.

The technologies approved by the Department of Biotechnology, New Delhi for dissemination among rural women of Rajouri are:

- Vermicomposting
- Biocrafts
- Medicinal-plant Cultivation
- Mushroom Culturing

Faculty	Designation	Qualification
· Prof. Iqbal Parwez · Dr. Shreekar Pant · Dr. Mamta Bhat · Dr. Tahir Mehmood · Ms. Nazia Kousar	**Dean**	Ph. D. Ph. D. Ph. D. (NET) Ph. D. M. Sc. Environmental Science

Department of Biotechnology

Masters programme in Biotechnology is of two years duration spread over 4 Semesters. The first three Semesters are devoted to Course work, which is imparted through 23 theory and 10 laboratory courses. In the last Semester students are required to undertake research work for compiling the dissertation. Masters degree is awarded to students who earn 96 credits: theory 52, lab 20 & Dissertation 24.

Course Curriculum

Semester I

Course Code	Course Title
Bio1014	Foundation Course
Bio 1024	Molecular Biology
Bio 1032	Microbial Bioresources
Bio 1042	Plant Bioresources
Bio 1052	Animal Bioresources
Bio 1062	Cell Biology
Bio1072	Biomolecules
Lab Courses	
Bio 1712	Microbiology Biology and Microbial Bioresources
Bio 1722	Plant and Animal Bioresources
Bio1732	Biomolecules and Cell Biology

Semester II

Course Code	Course Title
Bio2014	Genetic Engineering
Bio 2022	Genomics and Proteomics
Bio 2034	Enzymology and Metabolism
Bio 2052	Plant Biotechnology
Bio 2514	Fundamentals of Biotechnology (Open Elective)
Bio 2662	Seminar / Journal Club
Choice Based Open Elective Course (Opt any one of the following)	
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Language & Literature
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Language & Literature
ECP 248	Introduction to Pahari Language & Literature
ECK 249	Introduction to Kashmiri Lang & Lit.
IS 250	Spirituality & Islam
Lab Courses	
Bio 2712	Lab on Enzymology and Metabolism
Bio 2722	Plant Biotechnology and Genomics
Bio 2732	Genetic Engineering

Semester III

Course Code	Course Title
Bio 3012	Animal Biotechnology
Bio 3022	Genetics
Bio 3032	Industrial Biotechnology
Bio 3042	Bioinformatics and Bioentrepreneurship
Bio 3054	Immunology
Bio 3062	Analytical Techniques
Discipline Centric Electives: (One of the following)	
Bio 3512	Crop Biotechnology
Bio 3522	Human Genetic disorders
Bio 3532	Signal Transduction and Cancer Biology
Bio 3542	Protein Engineering
Lab Courses	
Bio 3712	Lab on Bioinformatics and Industrial Biotechnology
Bio 3722	Lab on Immunology and Animal Biotechnology
Bio 3732	Lab on Analytical Techniques and Genetics
Bio 3732	Lab based on Discipline Centric Elective

Semester IV

Course Code	Course Title
Bio 4824	Dissertation

Intake	:	**(Total Seats : 20)**
Open Merit	:	13
Scheduled Caste	:	02
Scheduled Tribe	:	02
Physically Handicapped	:	01
Self-Supporting	:	02

Eligibility for Admission

- Bachelors' degree in Physical, Biological, Agricultural, Veterinary and Fishery Sciences, Pharmacy, Engineering / Technology, 4-years B. Sc. (Physician Assistant Course); MBBS or B. D. S. with at least 55% marks.
- Candidates appearing in the Final Year Examination of the qualifying degree, and those whose result of the same is awaited, can also apply provisionally.

Procedure for Admission

- Students are admitted through Combined Entrance Test conducted by Jawaharlal Nehru University, New Delhi/ written Entrance Test that will be conducted by the University following notification in print and electronic media. The Test will be conducted in the School of Biosciences & Biotechnology at BGSB University campus and any other Centre if the University so decides. The Syllabus and Model Question Paper for Entrance Test will be uploaded on the University website wherefrom they can be downloaded.

Admission will be based on the Combined merit of students in the Entrance Test & the Qualifying examination (70:30).

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	i. Semester First	:	Rs. 33,000/-
	ii. Semester Second	:	Rs. 34,250/-
	iii. Semester Third	:	Rs. 34,500/-
	iv. Semester Fourth	:	Rs. 34,500/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Science / Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self - Supporting fee (One Time)	:	Rs. 1,80,000/-

Faculty	Designation	Qualification
· Prof. Iqbal Parwez	**Dean & Head**	Ph. D.
· Dr. Ali Asghar Shah		M. Phil., Ph. D.
· Dr. Tanvir-Ul-Hassan Dar		M. Phil., Ph. D.
· Dr. Raja Amir Hassan		Ph. D.
· Dr. Saima Aslam		Ph. D.
· Dr. Shoeb Ahmad		Ph. D
· Dr. Rakeeb Ahmad		M. Phil., NET, Ph.D.

Department of Botany

The Department of Botany was established in 2014 to meet the aspirations of the students of J&K in general and Rajouri-Poonch region in particular and also to train them to understand and practice various aspects of plant sciences. The courses have been designed to take care of both the classical and contemporary aspects of Botany. Within a short span, the Department has earned a name as an important centre of studies in Plant Sciences in the country.

The hard work put in by the teachers and the students started yielding dividends right from the very beginning. The students have started qualifying CSIR-NET. The Department has the expertise and infrastructure to help students opt for getting advanced training in many areas of specialization such as Plant Biotechnology, Cell and Molecular Biology, Bacteriology, Plant Physiology, Forest Ecology, Biodiversity Conservation, Taxonomy, Cytogenetics, Mycology, Reproductive biology, Lichenology, and Ecology & Environmental Biology.

The Department has completed some consultancy projects successfully. The Department houses herbarium focusing on the plant diversity of the Pir Panjal and surrounding areas. Lead Botanic Garden, Herbal Garden, Lichen groove and fernery are the main attractions of the department. Lead Botanic Garden of Department of Botany has been registered as a participant in the world wide implementation of the International Agenda in support of plant conservation, environmental awareness and sustainable development by Botanic Gardens Conservation International based at Kew, London, UK.

Course Curriculum

Semester I

Course Code	Course Title
Bot 170	Foundation Course : Tools & Techniques in Biology
Bot 171	Biology & Diversity of Algae & Lichens
Bot 172	**Bilogy & Diversity of** Bryophytes and Pteridophytes:
Bot 173	Cell Biology
Bot 174	Molecular Biology
Lab courses	
Bot 180	Lab course based on Bot 171 & Bot 172
Bot 181	Lab course based on Bot 173 & 174

Semester II

Course Code	Course Title
Bot 270	Taxonomy & Systematic of Angiosperms
Bot 271	Plan Physiology & Bio-Chemistry
Bot 272	Biology & Diversity of Gymnosperms
Bot 273	Biotechnology & Genetic Engineering
Choice Based Open Elective Course (Opt any one of the following) I	
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tour.& Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam
Lab courses	
Bot 280	Lab course on Bot 270 and Bot 272
Bot 281	Lab course on Bot 271 and Bot 273

Semester III

Course Code	Course Title
Bot 370	Principles of Plant Ecology
Bot 371	Cytology, Cytogenetic & Genetics

Bot 372	Mycology & Plant Pathology
Bot 373	Bacteria; Structure, Growth & Diversity
Choice Based Complimentary Electives	
Bot 374	Recombinant DNA Technology
Bot 375	Forest Ecology - I
Bot 376	Stress Physiology
Bot 377	Biodiversity Conservation - I
Lab courses	
Bot 380	Lab course based on Bot 370 & Bot 371
Bot 381	Lab course based on Bot 372 and Bot 344/375/376/377

Semester IV	
Course Code	**Course Title**
Bot 470	Anatomy & Developmental Biology of Angiosperms
Bot 471	Reproductive Biology of Angiosperms
Bot 472	Plants in Human Welfare
Bot 473	Bio-informatics & Bio-Statiostics
Choice based Complimentary Electives	
Bot 474	Genes, Genomics Stress & Proteomics
Bot 475	Forest Ecology - II
Bot 476	Plant Breeding
Bot 477	Biodiversity Conservation - II
Lab courses	
Bot 480	Lab course based on Bot 470, and Bot 471
Bot 481	Lab course based on Bot 472, Bot 473 & Bot 474/475/476/477

Intake : (Total Seats : 40)

General : **25**

Self-Supporting : **15**

Eligibility for Admission

- Bachelors degree of 10+2+3 pattern with Botany as one of the subjects or any other degree recognized equivalent thereto from any recognized university.
- Candidates appearing in the Final Year Examination of the qualifying degree and those whose result of the same is awaited, can also apply provisionally.

Procedure of Admission

- For admission to Masters degree programme in Botany, all eligible candidates are required to undergo written Entrance Test which will be conducted at BGSB University Campus, Rajouri & any other centres, if the University so decides.
- Syllabus and Model Question Paper for the Entrance Test will be available on the University website wherefrom these can be downloaded. Admit Card for Entrance Test will be collected by the candidates from the concerned School / Branch Office Jammu / Regional Office Srinagar.

Admission will be based on the Combined merit of students in the Entrance Test & the qualifying examination (70:30).

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	i. Semester First	:	Rs. 37,000/-
	ii. Semester Second	:	Rs. 38,500/-
	iii. Semester Third	:	Rs. 38,500/-
	iv. Semester Fourth	:	Rs. 38,500/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Science / Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self - Supporting fee (One Time)	:	Rs. 1,80,000/-

Faculty	Designation	Qualification
• Prof. Iqbal Parwez	**Dean**	Ph. D.
• Dr. Susheel Verma	**Head of the Department**	Ph. D., (NET)
• Dr. Shreekar Pant		Ph. D.
• Dr. Mamta Bhat		Ph. D., (NET)
• Dr. Mohd Asgher		Ph. D., GATE
• Dr. Arif Tasleem Jan		Ph. D., (NET)
• Dr. Mohd. Hanief		Ph. D., (NET)
• Dr. Nasir Ahmed Bhat		Ph. D.

Invited Guest Faculty

Prof. R.N Gohil Retd.	Professor, Deptt. of Botany, University of Jammu
Shri O.P. Sharma Vidyarathi	Add. PCCF, J&K Govt
Prof. Y.P Sharma	Former Head, Deptt. of Botany, University of Jammu, J&K
Dr. Anzar Khuroo	Department of Botany, Kashmir University, Srinagar
Prof. P.L Uniyal	Department of Botany, University of Delhi
Dr. Brij Lal	Scientist F, CSIR-IHBT, Palampur
Prof. Wazhat Hussain	Deptt. of Botany, Aligarh Muslim University, Aligarh
Prof. Yash Pal Sharma	Head, Deptt. of Botany, University of Jammu, Jammu
Prof. Anima Langer	Deptt. of Botany, University of Jammu, Jammu
Prof. Geeta Sumbli	Deptt. of Botany, University of Jammu, Jammu
Prof. Namrata Sharma	Deptt. of Botany, University of Jammu, Jammu
Prof. Kamal Jeet Singh	Deptt. of Botany, Punjab University, Chandigarh
Prof. Javed A. Khan	Deptt. of Biosciences, JMI, New Delhi
Dr. Surinder Kumar Yadav	Deptt. of Botany, MD University, Rohtak
Dr. Sumeet Gairola	IIM Jammu
Dr. Sikander Pal	Deptt. of Botany, University of Jammu, Jammu
Prof. Rajesh Tandon	Deptt. of Botany, University of Delhi
Prof. Javed A. Khan	Deptt. of Biosciences, JMI, New Delhi

Department of Zoology

The Department was established in 2014 to meet the aspirations of the students of this region and also to train the students desirous of learning, understanding, teaching and practicing various aspects of Animal Sciences. The courses have been designed to take care of both the classical and contemporary aspects of Zoology. Within a short span the Department earned a name as an important Centre of studies in Animal Sciences. The hard work put in by the teachers and more so the students started yielding dividends right from the very beginning. The Department has the expertise and infrastructure to help students opt for getting advanced training in many areas of specialization such as Animal Biotechnology, Animal Physiology, Ecology, Biodiversity Conversation, Taxonomy, Cytogenetics, Mycology, Immunology, Molecular Biology, Toxicology, Parasitology and Entomology. With the help of grants received from various funding agencies (DBT, MoEFC & C, GBPIHED, UGC, etc.), the Department is in a position to help the students unravel the intricacies of Animal life even at the molecular level.

The Department has been receiving extra mural funding from the various national funding agencies. Research projects worth over Rs. 1.3 crores are running in the Department. The Department has completed some consultancy projects successfully. The Department also houses museum focusing on the Animal diversity of the Pir Panjal and surrounding areas. Pir Panjal Biodiversity Park is the main attractions of the Department.

Course Curriculum

Semester I

Course Code	Course Title
Zol 170	Principles of Animal Taxonomy
Zol 171	Animal Resources and their Utilization
Zol 172	Invertebrates : structure & function
Zol 173	Cell Biology
Zol 174	Molecular Biology
Zol 175	Elements of Toxicology
Lab courses	
Zol 180	Lab course on Animal Taxonomy & Animal Resources
Zol 181	Lab course on Elements of Toxicology & Cell Biology
Zol 182	Lab course on Invertebrates & Molecular Biology

Semester II

Course Code	Course Title
Zol 270	Vertebrates : Structure & Function
Zol 271	Ecology & Environmental Biology
Zol 272	Fundamentals of Biochemistry
Zol 273	Bioinformatics and Biostatistics
Choice Based Open Elective Course (Opt any one of the following)	
Math 231	Math.Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Appl. & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam
Lab courses	
Zol 280	Lab course on Vertebrates & Bioinformatics Biostatistics
Zol 281	Lab course on Fundamentals of Biochemistry & Environmental Biology

Semester III

Course Code	Course Title
Zol 370	Animal Biotechnology
Zol 371	Animal Resources, threats and conservation
Zol 372	Biology of the Immune System
Zol 373	Cytogenetics
Zol 374	Embryology & Histology
Elective Courses	
Zol 375	Principles of Parasitology
Zol 376	Insect Morphology & Physiology
Zol 377	Elements of Ichthyology

Lab courses	
Zol 380	Lab course on Animal Biotechnology, Embryology & Histology & Biology of Immune sys.
Zol 381	Lab course on Elective course , Animal Resources, threats and conservation & Cytogenetics
Semester IV	
Course Code	**Course Title**
Zol 470	Genetic Engineering
Zol 471	Animal Physiology
Zol 472	Fundamentals of Endocrinology
Zol 473	Dissertation
Elective Courses	
Zol 474	Fundamentals of Nematodes Genomics
Zol 475	Human Genetics
Zol 476	Wildlife Biology, Conservation and Management
Lab courses	
Zol 480	Lab course on Genetic Engineering and Elective paper
Zol 481	Lab course on Animal Physiology & Endocrinology

Intake : (Total Seats : 45)

General	:	25
Self-Supporting	:	15
NRI	:	05

Eligibility for Admission

- Bachelors degree of 10+2+3 pattern with Zoology as one of the subjects or any other degree recognized equivalent thereto from any recognized university.
- Candidates appearing in the Final Year Examination of the qualifying degree and those whose result of the same is awaited, can also apply provisionally.

Procedure of Admission

- For admission to Masters degree programme in Zoology, all eligible candidates are required to undergo written Entrance Test which will be conducted at BGSB University Campus, Rajouri & at any other centres, if the University so decides.
- Syllabus and Model Question Paper for the Entrance Test will be available on the University website wherefrom these can be downloaded. Admit Card for Entrance Test will be collected by the candidates from the concerned School / Branch Office Jammu / Regional Office Srinagar.

Admission will be based on the Combined merit of students in the Entrance Test & the qualifying examination (70:30).

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	i. Semester First	:	Rs. 37,000/-
	ii. Semester Second	:	Rs. 38,500/-
	iii. Semester Third	:	Rs. 38,500/-
	iv. Semester Fourth	:	Rs. 38,500/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Science / Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self - Supporting fee (One Time)	:	Rs. 1,80,000/-

Faculty	Designation	Qualification
• Prof. Iqbal Parwez	**Dean**	Ph. D.
• Dr. Ali Asghar Shah	**Head of the Department**	M. Phil., Ph. D.
• Dr. M. A. Hanan Khan		Ph. D.
• Dr. M. Salim Reshi		Ph. D.
• Dr. Sajad H. Parey		Ph. D.
• Dr. Sajad A. Khan		Ph. D.
• Ms. Shahnaz Anjam		M. Sc., CSIR NET(JRF)

Invited Guest Speakers

1. Prof. Altaf Ahmed Wani, Ohio State University, USA
2. Dr. Anil Joshi, Chairman, HESCO, Uttarakhand
3. Dr. Virender Sharma, Director, MSME, J&K
4. Shri Rahul Taneja, Scientist, Patent Information Centre Haryana State Council for Tech., Panchkula, Haryana
5. Prof. G. M. Bhat, Dean, Faculty of Applied Science & Technology, University of Kashmir, Hazratbal
6. Dr. Ab. Matten Rafiqi, MCGILL University, Montreal, Canada
7. Prof. Javed Musarrat, Vice Chancellor, BGSBU, Rajouri
8. Prof. Umesh Rai, Director South Campus, University of Delhi

M. Sc. Microbiology

Microbiology is one of the oldest and the most important discipline of Life Sciences as it deals with the study of microorganisms which have profound role in human health. Since studies on microbiology have both fundamental as well as applied aspect, BGSBU has introduced a 2-years course of Master of Science in Microbiology. The course curriculum is as per the Choice Based Credit System prescribed by UGC and covers the entire spectrum of microbial studies including bacteriology, virology, mycology and protozoology. It also covers applied microbiology as part of biotechnology along with specialized papers for Agricultural Microbiology and Medical Microbiology. Highly trained and qualified faculty members, with several years of teaching and research experience from reputed National and International Universities and Institutes, are teaching the course. Microbiology offers great potential of employment in production of pharmaceuticals, medicine and diagnostics and Food and Beverages besides providing opportunities to continue in research pursuits or employment in teaching sector.

Course Curriculum

Semester I

Course Code	Course Title
MIB 1014	Foundation Course
MIB 1034	General Microbiology
MIB 1042	Virology, Mycology and Protozoa
MIB 1052	Microbial Techniques
MIB 1062	Biomolecules
Lab courses	
MIB 1712	Lab course based on General Microbiology, Virology, Mycology and Parasitology
MIB 1722	Lab course based on Biomolecules and Cell Biology
MIB 1732	Lab course based on Microbial Techniques

Semester II

Course Code	Course Title
MIB 2014	Microbial Genetics and Molecular Biology
MIB 2024	Microbial Diversity
MIB 2034	Enzymology and Metabolism
MIB 2514	Open Elective (OE)*
MIB 2642	Seminar / Journal Club (JC)
Choice Based Open Elective Course (Opt any one of the following)	
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam
Lab courses	
MIB 2712	Lab based on Microbial Genetics and Molecular Biology
MIB 2722	Lab based on Microbial Diversity
MIB 2732	Lab based on Enzymology and Metabolism

Semester III

Course Code	Course Title
MIB 3014	Immunology
MIB 3024	Industrial Microbiology and Fermentation Technology
MIB 3032	Microbial Ecology
MIB 3042	Environmental Microbiology and Toxicology
MIB 3052	Food Microbiology
Discipline Centric Elective (DCE)#	
MIB 3512	Viral and Parasitic Infections#
MIB 3522	Biofertilizers and Biopesticides#
MIB 3532	Analytical Techniques#

Lab courses	
MIB 3712	Lab based on Immunology
MIB 3722	Lab based on Industrial and Fermentation
MIB 3732	Lab based on Environmental Microbiology, Toxicology, and Food Microbiology
MIB 3742	Lab based on Discipline Centric Elective

Semester IV

Course Code	**Course Title**
MIB 4014	Medical Microbiology,
MIB 4024	Agricultural Microbiology
MIB 4032	Bioinformatics
Discipline Centric Elective (DCE)#	
MIB 4512	Genetic Engineering#
MIB 4522	Bacterial Diseases of Humans
MIB 4531	Signal Transduction and Cancer Biology
Lab courses	
MIB 4712	Lab based on Medical Microbiology & Discipline Centric Elective (DCE)
MIB 4722	Lab based on Agricultural Microbiology and Bioinformatics
MIB 4808	Dissertation

Intake : (Total Seats : 20**)**

General	:	**15**
Self-Supporting	:	**05**

Eligibility for Admission

- Candidate must posses bachelor's degree under 10+2+3 pattern of education in biological, agricultural, veterinary and fishery sciences, pharmacy from a recognized University.
- Candidates appearing in the Final Year Examination of the qualifying degree and those whose result of the same is awaited, can also apply provisionally.

Procedure of Admission

- For admission to Masters degree programme in Microbiology, all eligible candidates are required to undergo written Entrance Test which will be conducted at BGSB University Campus, Rajouri & any other centres, if the University so decides.
- Syllabus and Model Question Paper for the Entrance Test will be available on the University website wherefrom these can be downloaded. Admit Card for Entrance Test will be collected by the candidates from the concerned School / Branch Office Jammu / Regional Office Srinagar.

Admission will be based on the Combined merit of students in the Entrance Test & the qualifying examination (70:30).

Intake : (Total Seats : 15)

General : **10**
Self-Supporting : **05**

Eligibility for Admission

- Candidate must posses bachelor's degree under 10+2+3 pattern of education in biological, agricultural, veterinary and fishery sciences, pharmacy from a recognized University.
- Candidates appearing in the Final Year Examination of the qualifying degree and those whose result of the same is awaited, can also apply provisionally.

Procedure of Admission

- For admission to Masters degree programme in Microbiology, all eligible candidates are required to undergo written Entrance Test which will be conducted at BGSB University Campus, Rajouri & any other centres, if the University so decides.
- Syllabus and Model Question Paper for the Entrance Test will be available on the University website wherefrom these can be downloaded. Admit Card for Entrance Test will be collected by the candidates from the concerned School / Branch Office Jammu / Regional Office Srinagar.

Admission will be based on the Combined merit of students in the Entrance Test & the qualifying examination (70:30).

Fee Structure Per Semester

1.	Admission Fee	:	Rs. 1,300/-
2.	Tuition Fee		
	i. Semester First	:	Rs. 25,000/-
	ii. Semester Second	:	Rs. 25,000/-
	iii. Semester Third	:	Rs. 25,000/-
	iv. Semester Fourth	:	Rs. 25,000/-
3.	Career Counseling & Placement Assistance	:	Rs. 1,000/-
4.	Library Fee	:	Rs. 900/-
5.	Sports Fee	:	Rs. 900/-
6.	Science / Computer Lab. Fee	:	Rs. 900/-
7.	Laboratory Maintenance Fee	:	Rs. 900/-
8.	University Development Fund	:	Rs. 900/-
9.	University Corpus Fund	:	Rs. 1,000/-
10.	One Time Security (Refundable)	:	Rs. 1,000/-
11.	Self - Supporting fee (One Time)	:	Rs. 1,80,000/-

Faculty	Designation	Qualification
• Prof. Iqbal Parwez	**Dean**	Ph. D.
• Dr. Ali Asghar Shah		M. Phil., Ph. D.
• Dr. Tanvir -Ul-Hassan Dar		M. Phil., Ph. D.
• Dr. Raja Amir Hassan		Ph. D.
• Dr. Arif Tasleem Jan		Ph. D
• Dr. Mohd Salim Reshi		Ph. D.
• Dr. Mohd Shoeb Ahmad		Ph. D.
• Dr. Misbah Ajaz		Ph. D.

Research Programmes

M. Phil. Programme

The University runs M. Phil. Programme in Schools of Biosciences & Biotechnology, Arabic, English, Management Studies, Education, Mathematical and Computer Sciences strictly as per UGC Regulations of July 2016 with regard to Minimum Standards and Procedure for award of M. Phil. / Ph. D. degree. The M. Phil. programme is full time course of one year duration comprising minimum of two and maximum of four consecutive semesters with the objective to impart advanced knowledge to students in a particular area to initiate them into research. Every student admitted to the programme is required to offer and undertake course work or course and research work in the following manner:

a) Eight courses of study (4 courses in each semester), each course carrying 100 marks.

Or

b) Four courses of study in the first and dissertation in the second semester; each course of study carrying 100 marks and dissertation carrying 400 marks.

Submission of Application Form

Application Form, complete in all respects, accompanied with following documents should be deposited in the office of the Head of the Department to which the candidate is seeking admission on or before the prescribed last date.

i) Date of Birth Certificate (Matriculation Certificate).
ii) Marks Cards & Certificates of the Qualifying examinations.
iii) Provisional Certificate
iv) Permanent Resident Certificate.
v) Character Certificate issued by Head of Institution last attended or a Gazetted Officer.

Number of Seats

The number of seats and availability of specializations shall be determined by each Department and communicated to the Office of Dean, Academic Affairs before notification for admission is issued.

Eligibility for admission

Masters degree in the concerned subject or in a subject cognate to the one in which the candidate desires to pursue M. Phil. with at least 55% marks (45% marks for SC/ ST/ OBC candidates) or its equivalent grade 'B' in UGC 7 point scale, recognized by UGC.

Mode of Admission

The University will issue notification for admission in print and electronic media sometime in October / November after results of Final semester of Masters programmes of the University are declared or on such other date as the University may decide. Admission shall be made through Entrance Test followed by Interview to be conducted by the concerned Department during which the applicants are expected to discuss and make presentation about areas in which they intend to pursue research, the methodology and the expected outcome of the proposed work. To earn eligibility for appearing in the interview and for enrolment to M. Phil. programme a candidate is required to secure at least 50% marks in the Entrance Test.

Merit for admission shall be determined on the basis of the score of applicants in the Written Test, Presentation and the Interview together.

Result of the Entrance Test and Selection List

The result of Entrance Test and the Final selection list will be notified by each Department on the University website and the Departmental Notice Board. Students should, therefore, maintain contact with the Department, in their own interest.

University Fellowship

The University will award one Fellowship in each subject to the candidate who tops the Entrance Test (written plus presentation & interview) in that subject provided that he/she does not already hold Fellowship/ Assistantship from any other source. The University also has provision of providing one Fellowship every year to a physically challenged Scholar.

Fee Structure

1.	Admission fee	Rs. 3000/-
2.	Registration fee	Rs. 1000/-
3.	Tuition / Research fee (Per Semester)	Rs. 18,000/-
4.	Sports fee	Rs. 1000/-
5.	Magazine fee	Rs. 1000/-
6.	Library fee	Rs. 2500/-
7.	University Development Fund	Rs. 2500/-
8.	Library Deposit (refundable)	Rs. 1000/-
9.	Computer Laboratory / Science Breakage fee	Rs. 2500/-
10.	Laboratory Maintenance and Usage fee	Rs. 2500/-
11.	Identity Card	Rs. 100/-
12.	Social Activities Fund	Rs. 500/-
13.	Security fee(refundable)	Rs. 1000/-
14.	University Corpus Fund	Rs. 1200/-

Ph. D. Programme

Research and higher learning are so deeply interwoven that it is difficult to separate one from the other. Universities are recognised by the creative pursuits of their faculty and the students. The University has initiated research programmes in all its Schools. Fortunately, these have taken off fast. Today, the University has more than 50 scholars enrolled in various Schools.

The University runs Doctor of Philosophy programme and awards Ph. D. degree strictly as per UGC - Minimum Standards and Procedure for award of M. Phil. / Ph. D. Regulations of July 2016:

Arabic	Electronics & Comm. Engg.
Applied Mathematics	Hospitality & Tourism
Botany	Islamic Studies
Biotechnology	Information Technology
Computer Sciences	Mathematics
Civil Engineering	Management Studies
English	Physics
Economics	Urdu
Education	Zoology
Electrical Engineering	

The Ph. D. programme of the University is based on course and research work. Before registration, every scholar enrolled to the programme is required to pursue and pass pre-Ph.D. course work, with at least 50% marks. Generally, one of the courses is designed to impart advanced knowledge of the field which the student desires to pursue Doctoral degree, and the other on research methodology. Applicants who hold M. Phil. degree with 55% marks from Universities which admit students through Entrance Test, and those who have qualified NET, NET- JRF, SLET, GATE or those who hold Teacher Fellowship have the option to sit in the written Test or receive 50 % marks of the total marks earmarked for written Test.

The candidate enrolled to Ph. D. programme shall pursue research as whole-time student of the University. He will be required to submit the thesis, based on his findings, not earlier than three and Half years including course work but not later than six years from the date of registration. No candidate can undertake employment or appear in any business / profession during the period of his study. .

Admission Procedure

Notification for admission to Ph. D. progamme is issued by the University sometime in October / November after declaration of M. A./M. Sc./MBA/MCA/Engineering examination results or on a date as may be announced by the University.

Enrolment to Ph. D. programme shall be made through Entrance Test in which the candidate is required to score at least 50% marks. The candidates short listed on the basis of their merit in the written test will be called for Presentation and Interview by the concerned Dean / Head of the Department. The candidates are expected to discuss the area in which they intend to pursue research. Merit for admission shall be determined on the basis of total marks scored in the Entrance Test, Presentation and Interview.

Ph. D. Programme

Research and higher learning are so deeply interwoven that it is difficult to separate one from the other. Universities are recognised by the creative pursuits of their faculty and the students. The University has initiated research programmes in all its Schools. Fortunately, these have taken off fast. Today, the University has more than 50 scholars enrolled in various Schools. The University runs Doctor of Philosophy programme and awards Ph. D. degree strictly as per UGC - Minimum Standards and Procedure for award of M. Phil. / Ph. D. Regulations of July 2016:

Arabic
Applied Mathematics
Botany
Biotechnology
Computer Sciences
Civil Engineering
English
Economics
Education
Electrical Engineering
Electronics & Comm. Engg.
Hospitality & Tourism
Islamic Studies
Information Technology
Mathematics
Management Studies
Physics
Urdu
Zoology

The Ph. D. programme of the University is based on course and research work. Before registration, every scholar enrolled to the programme is required to pursue and pass pre-Ph.D. course work, with at least 50% marks. Generally, one of the courses is designed to impart advanced knowledge of the field which the student desires to pursue Doctoral degree, and the other on research methodology. Applicants who hold M. Phil. degree with 55% marks from Universities which admit students through Entrance Test, and those who have qualified NET, NET- JRF, SLET, GATE or those who hold Teacher Fellowship have the option to sit in the written Test or receive 50 % marks of the total marks earmarked for written Test. The candidate enrolled to Ph. D. programme shall pursue research as whole-time student of the University. He will be required to submit the thesis, based on his findings, not earlier than three and Half years including course work but not later than six years from the date of registration. No candidate can undertake employment or appear in any business / profession during the period of his study. .

Admission Procedure

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Eligibility for Admission

For admission to the Doctor of Philosophy programme a candidate must fulfill any of the following eligibility criteria:

(i) 55% marks in aggregate or its equivalent grade "B" in the UGC 7 -point Scale) in M. Phil. Course Work (45% for SC / ST, OBC - non creamy layer and differently abled candidates).

(ii) Masters degree or a professional degree declared equivalent to the Masters degree with at least 55% marks (45% for SC / ST, OBC candidates) in aggregate or its equivalent grade "B" in the UGC 7 - point scale.

Intake

The number of seats, specializations and supervisors available for guiding research in each subject shall be determined & fixed every year by Deans of respective Schools in consultation with the Dean Academic Affairs before Notification for Admission to Entrance Test is issued in print and electronic media including University website.

University Fellowship

The University will award one Fellowship in each subject to the candidate who tops the Entrance Test (written, presentation and interview) in that subject provided that he/she does not hold Fellowship/ Assistantship. The University also has provision of providing one Fellowship every year to a physically challenged Scholar. ***Candidates who are exempted to appear in written test but are desirous to compete for fellowship are required to appear in the written test to be able to qualify for the fellowship .***

Submission of Application Form :

Application Form, complete in all respects, accompanied with following documents should be deposited in the office of the Head of the Department to which the candidate is seeking admission on or before the prescribed last date.

i) Date of Birth Certificate (Matriculation Certificate).

ii) Marks Cards & Certificates of the Qualifying examinations.

iii) Provisional Certificate.

iv) Permanent Resident Certificate.

v) Character Certificate issued by the Head of the Institution last attended or a Gazetted Officer.

vi) In case the candidate is seeking admission on the basis of M. Phil. Degree, a Certificate from the institute testifying that admission to M. Phil. programme was made through Entrance Test.

Result of the Entrance Test and Selection List

The result of Entrance Test, Presentation & Interview and the Final selection list will be notified by each Department on the University website and the Departmental Notice Board. Students should, therefore, maintain contact with the Department, in their own interest.

Fee For Pre. Ph. D. (Six Months)

1.	Admission fee	Rs. 3,500/-
2.	Tuition fee	Rs. 19,750/-
3.	Unversity Sports fee	Rs. 1,000/-
4.	Magazine fee	Rs. 1,000/-
5.	Library fee	Rs. 2,500/-
6.	University Development Fund	Rs. 2,500/-
7.	Library Deposit (refundable)	Rs. 1,000/-
8.	Computer Laboratory / Science Breakage fee	Rs. 2,000/-
9.	Laboratory Maintenance and Usage fee	Rs. 2,000/-
10.	Identity Card	Rs. 100/-
11.	Social Activities fee	Rs. 500/-
12.	Security fee (refundable)	Rs. 1,000/-
13.	University Corpus Fund	Rs. 1,000/-

Ph. D.

1. Supervisory fee (Six Months)
   - Sciences — Rs. 10,000/-
   - Non-Sciences — Rs. 8,200/-

Annual Fees

1.	Admission fee (One time - payable only by direct entrants)	Rs. 6,000/-
2.	Supervisory / Research fee payable at the time of passing Pre-Ph.D. course work & subsequently every year thereafter.	
	- Sciences	Rs. 19,750/-
	- Non - Sciences	Rs. 16,750/-
3.	Magazine fee payable at the time of passing Pre-Ph.D. course work & subsequently every year thereafter.	Rs. 1,000/-
4.	Library fee payable at the time of passing Pre-Ph.D. course work & subsequently every year thereafter.	Rs. 3,500/-
5.	Library Deposit (One time & Refundable)(payable only by direct entrants).	Rs. 1,000/-
6.	Computer laboratory / Science Breakage Fee payable at the time of passing Pre-Ph.D. course work and subsequently every year thereafter.	Rs. 3,000/-
7.	Security deposit (One time & Refundable)(payable only by direct entrants).	Rs. 1,000/-
8.	University Sports fee payable at the time of passing Pre-Ph.D.course work & subsequently every year thereafter.	Rs. 1,000/-
9.	Social activities fund - payable at the time of passing Pre-Ph.D.course work & subsequently every year thereafter.	Rs. 2,500/-
10.	University Development Fund - payable at the time of passing Pre-Ph.D.course work & subsequently every year thereafter.	Rs. 1,500/-
11.	University Corpus Fund - payable at the time of passing Pre-Ph.D.course work & subsequently every year thereafter.	Rs. 1,000/-

Registration Fee (One Time)

1.	Registration fee payable with the Application for registration. (Refundable, if the application for registration is Rejected).	Rs. 8,500/-

Examination Fee

1.	Examination Fee to be paid at the time of submission of thesis. On resubmission of thesis, fresh examination fee shall be paid.	Rs. 5,000/-
2.	Fee for supply of Examiners reports of Ph. D. thesis	Rs. 5,000/-

Glimpses of Swach Bharat Abhiyan

Important Information

Important Instructions & Rules

- Applicants are advised to fill the prescribed Application Form in their own handwriting with utmost care to avoid rejection, and send it either through registered post or deposit it by hand in the office of the Dean / Principal SoET / University Polytechnic / Head of the concerned Department, Baba Ghulam Shah Badshah University, Rajouri, J&K, 185234 or University Camp Office, Channi Himmat, Bye Pass Road, Jammu, 180011, Regional Office, Clay Model Lane, Opposite J&K Bank, Baghat Barzulla, Srinagar 190005 or Branch Office, Islamia Faridia Institute of Education and Research, Kishtwar, against proper receipt.
- The applicants are advised to go through the contents of the Admission Prospectus carefully and familiarize themselves with the relevant rules governing Admissions / Entrance Test / Group Discussion / Personal Interview, etc.
- Candidates desirous of applying for more than one course offered by the University are required to fill separate Application Form for each course.
- Application Forms incomplete in any respect or those received after the last date prescribed by the University are liable to be rejected without any intimation to the candidate. No correspondence shall be entertained in this regard.
- Candidates should make sure that they have written their name, address, category (if any), telephone number, e-mail ID, Centre choice for the Entrance Test etc, correctly.
- Candidates applying under any reserved category must attach relevant certificate that should conform to the latest order / SRO issued for the purpose by the Competent authority.
- Candidates are advised, in their own interest, to remain in touch with the University office / branch office / University website (www.bgsbu.ac.in) for information related to admission, entrance test, group discussion, declaration of results, selection list, etc.
- Rules of eligibility are followed strictly. Issue of Admit Card for appearing in Entrance Test does not make a candidate eligible for admission unless he fulfills all requirements. No candidate shall be entitled to admission as a matter of right even if he / she is otherwise eligible. All admissions are provisional. In case of any error in the processing / verification of certificates / documents / declaration of results of the entrance test etc. the University has the right to cancel such admission at any stage.
- The University reserves the right to hold or not hold the Entrance Test for admission to any course and change the venue of the entrance test / group discussion / personal interview depending upon the number of applicants. Moreover, the University takes no responsibility for any postal delay that may occur in the delivery of intimation letters for group discussion / personal interview etc.
- Candidates found using unfair means in the Entrance test shall be disqualified and in no case considered for admission.
- The list of provisionally selected candidates shall be notified on the Notice Board of the College / concerned Department and also on the University website www.bgsbu.ac.in. The datelines for deposition of certificates, dues etc are adhered to strictly. It is the responsibility of the candidate to keep in touch with the University office / branch offices / website regarding cut off dates and other information.
- If a selected candidate fails to produce original certificates or does not deposit the required fee within the specified period of time, his / her selection shall stand cancelled and the seat(s) vacated shall be allotted to the candidate(s) next in merit.

Important Instructions & Rules

- Fee is to be paid in the form of Demand Draft drawn in favour of Registrar, BGSB University, Rajouri, payable at J&K Bank, BGSB University campus, Rajouri. Cash, cheques and postal orders will not be accepted. **Documents will be returned and full fee will also be returned upto 4 days of date of deposition after notification of Merit List. No request for refund will be entertained thereafter. Refund will also not be permitted in favour of students who are admitted late.**
- At the time of admission the candidate has to give an undertaking on stamped paper of the value of Rs. 5 regarding the intervening period, if any, to the effect that he / she was not working in any Government or private sector or had not joined any other institution / course of study after the declaration of the result of the qualifying examination. In case they are in employment they shall have to produce permission letter of the employer.
- The candidates selected for admission shall have to deposit all documents pertaining to the qualifying examination in original in the office of the Principal / Director / Head of the concerned department. Registration section of the University shall return the said documents after verification.
- In case it is found at any stage after admission that the candidate has made any false or incorrect statement or used fraudulent means for seeking admission or doesn't fulfill the eligibility requirement, the admission shall be cancelled.
- No employee of any public or private sector organization shall be admitted unless he / she is on authorized leave and has the necessary permission of the employer.
- In case of any discrepancy / dispute, the Statutes / Regulations governing the relevant academic programme of the University shall be followed.
- If any dispute arises regarding admission to any course an appeal can be made by the aggrieved candidate to the Principal / Director / Head of the concerned Department. All appeals will be disposed off by the Appellate Committee chaired by Vice Chancellor.
- Legal dispute, if any, shall be settled by the courts within the jurisdiction of Rajouri.
- To generate resources for augmenting academic and ancillary infrastructure facilities and to meet social obligations, the University offers a limited number of Self-Supporting & Management seats in various programmes. These shall be filled as per relevant Statutes / Regulations governing admissions. However, these shall be deemed to be over and above the normal number of seats. A candidate admitted under this category shall have to remit the prescribed amount along with the fees/charges prescribed for the course.
- **Payment once made against Self-Supporting and NRI seats shall not be refundable.**
- **Self-Supporting and NRI / Management fee is required to be paid in one instalment ·**
- No interest shall be paid on the security deposits.
- **Hostel Brochure can be procured from the office of Dean of Students.**
- **Admission Security deposited by students is refundable (minus 15% processing charges) within a period of 6 months after declaration of the result of the final semester of the Course to which the student was enrolled.**
- **The students admitted to Diploma, B. Tech., MBA programmes are required to wear the prescribed uniform.**

Important Instructions & Rules

What constitutes Ragging?

Ragging constitutes any one or more of the following acts:

a. Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;

b. indulging in rowdy or indiscipline activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;

c. asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;

d. any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;

e. exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students;

f. any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;

g. any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;

h. any act or abuse by spoken words, emails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student ;

i. any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

Administrative action in the event of ragging

The institution shall punish a student found guilty of ragging after following the procedure and in the manner prescribed herein under:

A. The Anti-Ragging Committee of the institution shall take an appropriate decision, in regard to punishment or otherwise, depending on the facts of each incident of ragging and nature and gravity of the incident of ragging established in the recommendations of the Anti-Ragging Squad.

B. The Anti-Ragging Committee may, depending on the nature and gravity of the guilt established by the Anti-Ragging Squad, award, to those found guilty, one or more of the following punishments, namely;

1. Suspension from attending classes and academic privileges.
2. Withholding / withdrawing scholarship / fellowship and other benefits.
3. Debarring from appearing in any test / examination or other evaluation process.
4. Withholding results.
5. Debarring from representing the institution in any regional, national or international meet, tournament youth festival, etc.

Important Instructions & Rules

6. Suspension / expulsion from the hostel.
7. Cancellation of admission.
8. Rustication from the institution for period ranging from one to eight semesters.
9. Expulsion from the institution and consequent debarring from admission to any other institution for a specified period.

Provided that where the persons committing or abetting the act of ragging are not identified, the Institution shall resort to collective punishment.

Documents Required

Photostat copies of following documents / certificates, attested by Gazetted officer should be attached with the Admission Application form.

For Post Graduate Programmes

1. Date of Birth certificate (Matriculation certificate).
2. Marks Cards of the qualifying examinations.
3. Certificate of Permanent residence.
4. Category certificate (if any).
5. Provisional certificate
6. Character certificate issued by Head of the Institution last attended or a Gazetted officer.

For Diploma / Diploma Lateral Entry / B. Tech. / B. Tech. Lateral Entry & Other Undergraduate Programmes

1. Date of Birth certificate (Matriculation certificate).
2. Qualifying examination certificates.
3. Certificate of Permanent residence.
4. Category certificate (if any).
5. Provisional certificate
6. Character certificate issued by Head of the Institution last attended or a Gazetted officer.

Note:

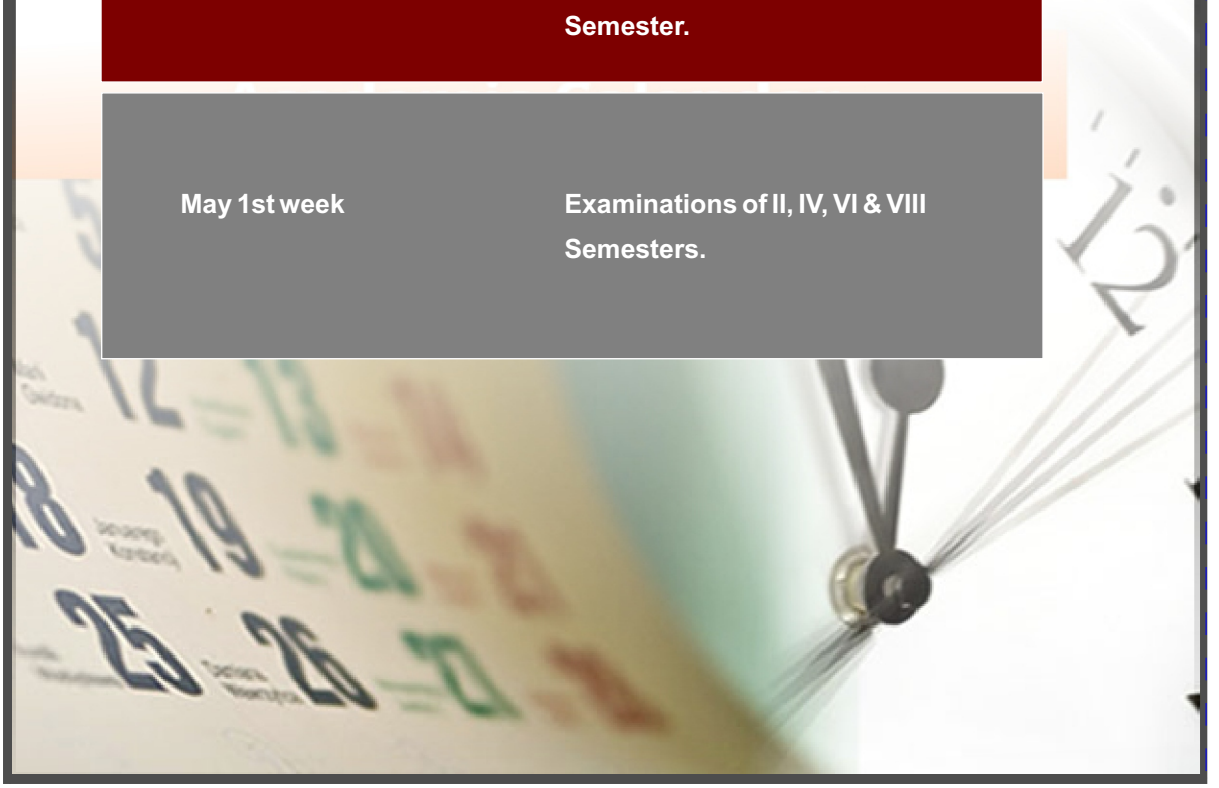
Migration Certiicate, Gap period certificate /Affidavit, and other such documents including all original certificates for purposes of verification & registration are to be produced and submitted by the candidate at the time of admission.

Sports

Sports facilities in Campus

Academic Calendar

July 2nd week	Commencement of class work of I, III, V & VII Semesters. Sessional Assessment Spread over the entire Semester.
November - December	Examinations of I, III, V & VII Semesters.
January 1st week	Commencement of class work of II, IV, VI & VIII Semesters. Sessional Assessment Spread over the entire Semester.
May 1st week	Examinations of II, IV, VI & VIII Semesters.



Important Contact Numbers

Dean Academic Affairs	01962-241003	
Registrar	01962-241002	
Dean, School of Eng. & Tech.	9958477841	01962-241016
Dean, School of Bios. & Biotechnology	9797174173	
Dean, School of Management Studies	9107511610	
Dean, School of Education	9419005409	
Principal, University Polytechnic	7298286036	
Director, Centre for Hospitality & Tourism	9419256734	
Director Centre for Biodiversity Studies		
Head, Department of Arabic & I/c Urdu / Islamic Studies	9419103564	9086180380
Head, Department of English	7006512507	
Head, Department of Mathematical Sciences	9419277404	7889473046
Head, Department of Computer Sciences	9419474455	7889631673
Head, Department of Information Technology	9419182881	7889378440
Head, Department of Economics	9419170928	7780840199
Department of Physics	9419103562	
Head, Department of Botany	9419797202	7006959037
Head, Department of Zoology	9419175567	9622286448
Co-ordinator, Department of Biotechnology	7006603181	
Co-ordinator, Department of Microbiology	9456606977	
Deputy Registrar (Academic Affairs)	01962-241009	
University Camp Office, Jammu	9419103565	0191-2464402
University Regional Office, Srinagar	9419011449	0194-2441231
Branch Office, Kishtwar	9469251944	

Hostel Manual will be available from the office of Dean of Students
Phone No : 7006444548 / 9419878070 / 9086180380 / 9419005409

Availability of Admission Prospectus & Application Form

Admission Prospectus & Application Form can be had from any of the following offices on payment of Rs. 1000/, by Demand Draft, drawn in favour of Registrar, BGSB University, Rajouri, payable at J&K Bank, BGSB University Campus, Rajouri.

- The office of Deputy Registrar (Academic Affairs), University Campus, Rajouri - 185234.
- Camp Office, Channi Himmat, Bye Pass Road, Jammu (Tawi), J&K- 180015.
- Regional Office Srinagar: Clay Model Lane, Opposite J&K Bank, Baghat Barzulla, Srinagar 190005.
- Branch Office, Islamia Faridia Institute of Education & Research, Kishtwar.

Admission Prospectus containing the **Application Form is also available** in **University Website:** www.bgsbu.ac.in from where the admission form and prospectus can be downloaded. Students can also apply ONLINE.The Application form with all documents and Demand Draft for Rs. 1000/, drawn in favour of Registrar, BGSB University Rajouri, payable at J&K Bank, BGSB University Campus, Rajouri can be deposited at any of the four above mentioned offices of the University.

The cut off dates for submission of duly filled Admission Application Form, and dates for Entrance Tests for Under and Post Graduate programmes will be notified on University Website and through print and electronic media from time to time.

www.bgsbu.ac.in
Email : university@bgsbu.ac.in

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