Estd.2000

ABES Engineering College

Self Study Report
NAAC Accreditation

ISO 9001:2008

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Campus-1, 19th Km Stone, NH-24, near Crossing Republik, Ghaziabad-201009, U.P.
T: +91 120 7135112 . F: +91 120 7135115 . M: +91 9999889341
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ABES
Engineering College
Estd. 2000

Approved by AICTE and Affiliated to
UP Technical University (UPTU), Lucknow
UPTU College Code: 032

TO WHOM IT MAY CONCERNED

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

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

Signature of the Head of the institution
with seal:

Dr. Surendra Kumar
Director
ABES Engineering College
Ghaziabad

Place: Ghaziabad.
Date: 24.06.2015

SECTION B: PREPARATION OF SELF-STUDY REPORT

1. Profile of the Affiliated / Constituent College

1. Name and Address of the College:

Name:	ABES ENGINEERING COLLEGE		
Address:	Campus 1, 19th Km Stone, NH-24, Near Crossings Republik,		
City: Ghaziabad	Pin: 201009	State: Uttar Pradesh	
Website:	www.abes.ac.in		

2. For communication:

Designation	Name	Telephone With STD code	Mobile	Fax	Email
Principal (Director)	Prof.(Dr.) Surendra Kumar	O:0120-71351 12	+919999889360	0120-7135115	director@abes.ac.in
Vice Principal Director (Operation)	Sachin Goel	O:0120-7135112	+919711119810	0120-7135115	sachin.goel@abes.ac.in
Steering Committee Coordinato	S.K.Pandita	O: 0120-7135112	+919999818042	0120-7135115	ao@abes.ac.in

3. Status of the Institution:

Affiliated College	Yes
Constituent College	N.A.
Any Other (Specify)	N.A.

4. Type of Institution:
- a. By Gender
  - i.   For Men   N.A.
  - ii. For Women   N.A.
  - iii. Co-education   YES

- b. By Shift
  - i.   Regular   YES
  - ii. Day   N.A
  - iii. Evening   N.A.

5. It is a Recognized Minority Institution?

Yes	N.A
No	√

If yes specify the minority status (Religious/linguistic/any other) and provide documentary evidence.

6. Sources of Funding:

Government	-	NO
Grand-in-aid	-	NO
Self-Financing	-	YES

Any Other   -   NA

7. a. **Date of establishment of the college:**

AICTE granted the approval to the college for running the courses vide letter no. F.N 720-67-018 (NDEG-APR/ET/20 dated 13/07/2000

The State Government & Affiliated University approved the recommendations of AICTE vide letter no. E- 9543/GM dated 20/12/12000 to run the session w.e.f. 01.07.2000.

The college was established from 01/07/2000.

b. University to which the college is affiliated/or which governs the college (If it is a constituent college)

> Uttar Pradesh Technical University,

c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks(If any)
i.2(f)	09-01-2012	Nil
ii. 12 (B)	N.A.	Nil

(Enclose the Certificate of recognition u/s2 (f) and 12 (B) of the UGC Act)

d. Details of recognition / approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section / clause	Recognition / Approval details Institution / Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
AICTE Regulations 2012, Notification no. F.No. 37-3 / Legal 2012 Dated 27.09.2012	Institution- ABES Engineering College, Ghaziabad Department of Engineering & Technology (CSE,ECE,CE,EN,IT & ME) & M.Tech. (CSE, ECE & ME) Management- (MBA) MCA-Master of computer Application	07-04-2015	Perennial	

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes | √ | No | |

If yes, has the College applied for availing the autonomous status?

Yes | √ | No | |

9. **Is the college recognized**
   a. by UGC as a College with Potential for Excellence (CPE)?

   Yes | | No | √ |

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

   b. for its performance by any other governmental agency?

   Yes | √ | No | |

   If yes, Name of the agency……NBA
   Date of recognition: (dd/mm/yyyy) 19/07/2008

10. **Location of the campus and area in sq.mts:**

Location*	Urban
Campus area in sq. mts.	53418.60m² (13.2 Acres)
Built up area in sq. mts.	70316.7

(*Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. **Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.**
   - Auditorium / seminar complex with infrastructural facilities   √
   - Sports facilities
     * Playground   √
     * Swimming pool   ×
     * Gymnasium   √
   - Hostel
     * Boys' hostel   √
       i. Number of hostels   5
       ii. Number of inmates   1049
       iii. Facilities (mention available facilities)   Gymnasium, Laundry, Mess, Indoor/Outdoor Games, Wi/fi Facility.

     * Girls' hostel
       i. Number of hostels   3
       ii. Number of inmates   575
       iii. Facilities (mention available facilities)   Gymnasium, Laundry, Mess, Indoor/Outdoor Games, Wi/fi Facility.

     * Working women's hostel
       i. Number of inmates   6
       ii. Facilities (mention available facilities)   Gymnasium, Laundry,

Mess, Indoor/Outdoor
Games, Wi/fi Facility.

- Residential facilities for teaching and non-teaching staff (give numbers available—cadre wise)
  - ∗ Teaching staff　　-　　09, (Prof.–01, Asso. Prof. -02, Asst. Prof.- 06)
  - ∗ Non-Teaching　　-　　11 (Proctor-01, Chief Hostel Warden – 01, Security Officer　-　01, Warden – 03, Other Staff - 05)
- Cafeteria　　-　　YES
- Health center -　　YES

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance ……. Health center staff–

Qualified Doctor	Full Time		Part-Time	√
Qualified Nurse	Full Time	√	Part-Time	

- Facilities like banking, post office, bookshops　- YES
- Transport facilities to cater to the needs of students and staff - YES
- Animal house – N.A
- Biological waste disposal- N.A
- Generator or other facility for management/regulation of electricity and voltage- YES
- Solid waste management facility- YES
- Waste water management- NO
- Water harvesting- YES

12. Details of programmes offered by the college (Give data for current academic year) 2014-15

S.No.	Programme Level	Name of the Programme /Course	Duration	Entry Qualification	Medium of instruction	Sanctioned / approved Student strength	No. of students admitted
1	Under-Graduate	B.Tech.	4 YRS	10+2	ENGLISH	1020+51*	1042
2	Post-Graduate	M.Tech. MBA MCA	2 YRS 2 YRS 2 / 3 YRS	B.Tech./MCA GRADUATE GRADUATE	ENGLISH ENGLISH ENGLISH	60 180 120	26 121 62
3	Integrated Programmes PG						
4	Ph.D.						
5	M.Phil.						
6	Certificate courses						
7	UG Diploma						
8	PG Diploma						

9	Any Other	

13. Does the college offer self-financed Programmes?

Yes	√	No	

If yes, how many? — All Programes are self-financed

14. New programmes introduced in the college during the last five years if any?

Yes	√	No	x	Number	04	(M.Tech., CS, EC & ME) B.Tech. Civil Engg.

15. **List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)**

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	NO	NO	NO	NO
Arts	NO	NO	NO	NO
Commerce	NO	NO	NO	NO
Any Other (Specify)	Engineering & Technology			
	• B.Tech. Civil Engg.	YES	NO	YES
	• B.Tech. Computer Science & Engg.	YES	YES	YES
	• B.Tech. Electronics & Communication Engg.	YES	YES	YES
	• B.Tech. Electricals & Electronics Engg.	YES	NO	YES
	• B.Tech. Information Technology	YES	NO	YES
	• B.Tech. Mechanical Engg.	YES	YES	YES
	MBA	NO	YES	YES
	MCA	NO	YES	YES

16. **Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com…)**

    a.   Annual System   00

    b.   Semester System   11

    c   Trimester System   00

17. **Number of Programmes with**

    a.   Choice Based Credit System   00

    b.   Inter/Multi-disciplinary Approach   00

    c   Any other (Specify and provide Details)   11
        Credit Based System – Semester Wise

18. **Does the college offer UG and/or PG programmes in Teacher Education?**

    Yes   No   √

If yes

a. Year of Introduction of the programme (s) ……… (dd / mm / yyyy) and number of batches that completed the programme

b. NCTE recognition details (if applicable) Notification No.: [ ]

Date:……………………………(dd/mm/yyyy)

Validity: ………………………

c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes [ ]　　　　No [ ]

19.　Does the college offer UG or PG programme in Physical Education?

Yes [ ]　　　　No [√]

If yes,

a. Year of Introduction of the programme(s) ……………….. (dd/mm/yyyy) and number of batches that completed the programme [ ]

b. NCTE recognition details (if applicable) Notification No. :

……… … … Date:……………………………(dd/mm/yyyy)

Validity: …………………….

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes [ ]　　　　No [ ]

20.　Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-Teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government *Recruited*	35		70		212		Desirable		Desirable	
Yet to recruit										
Sanctioned by the Management / society or other authorized bodies	` 35		70		212		145	35	43	1
	27	01	25	11	107	146	145	35	43	1
Yet to recruit	07		34		0		0		0	

*M-Male*F-Female

21.　Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							

Ph.D.	15	01	06	04	11	28	65
M.Phil.							
PG	12	00	19	07	96	118	252

Temporary teachers							
Ph.D.	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0
Part-time teachers							
Ph.D.	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0

22. **Number of Visiting Faculty / Guest Faculty engaged with the College.**   NIL

23. **Furnish the number of the students admitted to the college during the last four academic years.**

Categories	2011-12		2012-13		2013-14		2014-15	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	073	020	112	026	065	022	082	017
ST	001	000	000	000	002	000	000	000
OBC	158	050	246	056	217	052	222	060
General	472	247	527	218	551	232	606	200
Others	014	003	035	003	050	012	020	002

24. **Details on students enrollment in the college during the current academic year:**

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same State where the college is located	1002	230	0	0	1232
Students from other states of India	78	23	0	0	101
NRI students	0	0	0	0	0
Foreign students	0	0	0	0	0
Total	1080	253	0	0	1333

25. **Dropout rate in UG and PG (average of the last two batches)**

UG   11%   PG   6%

26. **Unit Cost of Education (2013-2014)**

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

   (a) Including the salary component

   Rs. 1,07,945.23

   (b) Excluding the salary component

   Rs. 52,406.07

27. **Does the college offer any programmes in distance education mode (DEP)?**
   Yes [ ]   No [√]

   If yes,
   a) Is it a registered centre for offering distance education programmes of another University
   Yes [ ]   No [ ]
   Name of the University which has granted such registration.
   [ ]

   b) Number of programmes offered [ ]
   c) Programmes carry the recognition of the Distance Education Council.
   Yes [ ]   No [ ]

28. **Provide Teacher-student ratio for each of the programme / course offered**

   1:14

29. **Is the college applying for**

   Accreditation: Cycle1 [√] Cycle2 [ ] Cycle3 [ ] Cycle 4 [ ]

   Re-Assessment: [ ]

   (Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re - accreditation)

30. **Date of accreditation*(applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)**
   Cycle 1: ……………… (Dd/mm/yyyy) Accreditation Outcome / Result ………...
   Cycle 2: ……………… (Dd/mm/yyyy) Accreditation Outcome/Result ……......
   Cycle3: ……………… (dd/mm/yyyy) Accreditation Outcome/Result……......
   *Kindly enclose copy of accreditation certificates and peer team reports as an annexure.

31. **Number of working days during the last academic year.**
   143

32. **Number of teaching days during the last academic year**
   (Teaching days means days on which lectures were engaged excluding the examination days)
   90

33. Date of establishment of Internal Quality Assurance Cell (IQAC) IQAC
01/09/2014 (dd/mm/yyyy)

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.
AQAR(i)   ……………… (dd/mm/yyyy)
AQAR(ii)   ……………… (dd/mm/yyyy)
AQAR(iii) ……………… (dd/mm/yyyy)
AQAR(iv) ……………… (dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory / descriptive information)

2. Criteria - wise Inputs

CRITERION I: CURRICULAR ASPECTS

1.1   Curriculum Planning and Implementation

1.1.1   State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision
To take the ABES Engineering college by the year 2020 to such a level that it is an equal partner of the other leading institutions of the world to provide leadership to the international education system and is rated as one of the top world institutions which produces world class competent and dedicated technical and managerial human resource embedded in the traditional Indian values and positive attitudes.

Mission

- To create an ambience for a healthy teaching learning process.
- To nurture students and infuse in them:
    i.   A passion to excel professionally
    ii. A spirit to be of utmost use to the industry, corporate sector and society at large
    iii. An intense desire to take on challenging responsibilities and leadership roles
    iv. A craving to be wholesome good human beings.
- To develop an environment for creating new knowledge through research and by thriving to explore innovative ideas.

Objective
To continuously thrive to provide a congenial and wholesome academic environment and a healthy culture for faculty, staff and students which would motivate teachers' full participation with passion and develop an intense desire in the students to acquire comprehensive education and hence become a useful and confident human resource for industry and academia.

The above mentioned vision, mission and objectives of the college is communicated to the students, teachers & staff using:
- Course Files
- Notice Boards in the Departments
- Program Outcomes & Course Outcomes
- College Website
- Orientation Program
- Flex boards displayed at various places in corridors of the college, HOD's Cabins and prominent places.

1.1.2   How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

For effective implementation of the curriculum following action plans are

developed and deployed:

- Academic calendar of the college is drafted by keeping in view the academic calendar provided by Uttar Pradesh Technical University, Lucknow, U.P.
- Course File for each subject is maintained in detail and plays a pivotal role in the implementation of curriculum.
- Every department has formulated its specific mission and vision in accordance with the institution's vision and mission.
- As an action plan for the effective implementation of the curriculum, following documents are shared with the students and reviewed by faculty, time to time:
    1. Topic wise reference of teaching material
    2. Tutorial and assignment sheets
    3. Personal handouts of relevant and important topics
    4. Previous year UPTU question papers
    5. Model question bank
    6. Soft copy of ppts/ slides/ e-notes
    7. Lecture plan
- The lab experiments of the curriculum which play a very crucial role in strengthening the concepts of engineering are conducted very cautiously. For each experiment, there are certain outcomes which the student must attain after performing the experiment.
- Labs are updated and upgraded on a timely basis so as to maintain the pace of ever-changing practical aspects of engineering.
- Outcome Based Education (OBE) which implies that the achievement of stated objectives need to be evaluated and ascertained continuously as the course progresses to identify the gaps & corrective action taken based on "gap analysis".

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

- Guest Lectures / Seminars on very crucial topics of a particular subject are conducted which help the faculty to improve his / her grip on the subject.
- Each classroom & tutorial rooms are well equipped with whiteboard, LCD projectors, OHP projectors etc. Thus, using audio-visual aids (video lectures from NPTEL), the teaching as well as learning is enhanced.
- The labs are updated using MODROB, Virtual Labs, software, machine prototypes, kits etc. These are the practical tools using which the teaching can be improved.
- FDPs & Seminars on recent topics of science & engineering are helping students as well as teachers to a larger extent.
- ICT based FDPs from an eminent organization like NITTTR, Chandigarh are conducted by various departments so as to facilitate max. Subject exposure for the faculty.
- Faculty is provided with the accessibility of e-journals, text books, reference books, IEEE publications and other technical magazines from the library.
- Every department has its own departmental library apart from the central library resources.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

Following are the initiatives taken by the institution for effective curriculum delivery and transaction on the Curriculum provided by UPTU:

- Course file for all subjects have to be prepared by concerned faculty which includes Lecture wise Delivery Schedule and Lesson Plan for the semester.
- Quiz Sheets / Tutorial Sheets/ Assignments Sheets are very well prepared before the commencement of the semester for the concept and numerical strengthening of the students in the respective subject.
- Model question papers are provided to students before semester university exams to help students to practice for semester exams.
- Video lectures (from NPTEL), Guest Lecturers from eminent personalities of different fields & Industrial Visits play a pivotal role in effective curriculum delivery.
- Virtual Labs are being set up in the departments to help the faculty as well as students to build up their concepts not just in their routine lab slots but also from home. This feature has very positive impact on our students.
- Smart Tools are provided in each class to facilitate better Teaching Learning Process.
- For monitoring effective curriculum delivery, HODs and expert panel continuously check the content delivered by faculty in the class.
- Remedial classes are conducted to make slow learners understand the subject and catch up with the fellow students.
- Additional topics are covered by the faculty apart from the curriculum as a part of subject coverage beyond syllabus.
- Internet/ Wi-Fi connections are available throughout the campus including hostel for easy surfing of subject related seminars, conference and other technical notes.
- Value added courses are arranged which fulfil the industry requirements.
- To fill the gap between university curriculum and industry need in technical skill sets at department level, various short term courses/ Summer Trainings are conducted in prevailing/ emerging technologies.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum

Industry:
- **The college has set a separate centre for Career Planning and Development (**CCPD) to help the students in enhancing their employability skills. This department has professional relations with various industry personnel which time to time interact with our students to increase their global competencies. The college has a strong and continuous recruitment program for the students.
- The college motivates its students and faculty members to participate in conference s / seminars conducted by industry bodies like CII, FICCI, GMA etc. which keeps them updated with the modern scenario.

Research Bodies:

- The faculty members of the college are motivated to take up research projects under various research agencies like AICTE, DST, CSI etc.
- Most of the faculty members are research fellow of the professional bodies like IEEE, ICEIT, ISTE etc.
- They are regularly attending conferences, seminars, workshops etc. offered by IITs, NSIT, DTU, DRDO etc. which help them in self-growth and in turn disseminate the same to students.

University:

Interacting with their counter parts at the affiliating University, getting latest information and visiting the University portal are certain activities which are conducted by the faculty members to keep them abreast of the latest changes in the syllabus and in the implementation of the same.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

The college was earlier affiliated to Mahamaya Technical University a Govt. Body (A division of Uttar Pradesh Technical University) in which Prof. R.G. Mendiratta was nominated on BOS of MTU for Physics subject and Dr. Surendra Kumar (Director) was the member of BOS for Civil Engineering subject.

As on date after consolidation of two Universities into the current affiliating university Uttar Pradesh Technical University, Lucknow, being the only Technical University of the State, has 785 colleges/institutions under its preview, As on date none of our Faculty/Staff has been nominated on Board of Studies of the affiliating University.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

Yes, the college developed the curriculum for the following courses other than University curriculum to

S.No	Name of Program	Need & Assessment	Development & Planning
1	Industrial Automation Research and Training Center (IARTC) which has signed MOUs with the following pioneer brands: • Rockwell automation • National Instruments • Texas Instruments • SMC	To bridge the gap between University curriculum and the modern industries	• Beginner's Module • Advanced Module

		The training has the following phases: • Beginner's phase which focus on improving language skills of the students • Intermediate Phase which focus on improving the lateral and creative thinking of the students. • Advance phase focus on complete Personality Development of Students
2	SEEP (Student Employability Enhancement Program)	

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

Below mentioned chart reflects the various steps taken by the institution for the above purpose.

S.No.	Steps taken by Institution	Details
1	Departmental Meetings	The departmental meetings are held fortnightly to understand the requirement of the faculty members, if any and to ensure the progress of the curriculum.
2	Evaluation of students	Continuous and rigorous evaluation of students for their theory subjects via sessional tests and exams.
3	Assignments/ Tutorial Sheets	The assignment and tutorial sheets are provided to the students and evaluated by the faculty members which help them in clear topics covered in the understanding of the curriculum
4	Mini Projects & Technical Competitions	Mini projects are assigned to the students in their labs so as to enhance their practical knowledge. Technical Competitions are organized by various departments to promote the technical know-how of students.
5	Special Classes for academically needy students	Special classes are conducted for the academically needy students as per their request and need. In parallel, soft skill training and value added courses are also introduced for their holistic development.
6	Question Paper Review	The detailed analysis of university question paper at the end of the semester with sessional test papers is done using a particular format which ensures that the stated objective of the curriculum is attained at the utmost.

1.2   Academic Flexibility

2.2.1   Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.

S.No.	Name of certificate / diploma / skill development courses offered by ABESEC	Goals and objectives
1.	Center of Excellence (COEs) The college has the following COEs which provides certification courses. • SAP uAcademy • Microsoft IT academy • Cadence Design System & Impetus Infotech Ltd. • TCS Center of Excellence • IBM Center of Excellence • Rockwell Automation, USA • Aspiring Minds • Cocubes.com • NICCO Ventures & Monster College • National instruments • Texas instruments • SMC	The COEs are responsible for bridging the gap between industry & academia.
2	SEEP [Student Employability Enhancement Program]	To acquaint and empower the students with the need of the industry and to increase their global employability skills and competencies.
3	CISCO Certification Program	
4	AICTE sponsored Employment Enhancement Training Program (EETP) at BSNL's apex level training centre ALTTC (Advanced Level Telecom Training Centre), Raj Nagar, Ghaziabad	
5	Summer training on telecom by Rawelcom Group	
6	Cisco Academy CCNA routing & switching (module1&2) Certification Course	
7	ETAP	It is a simulation tool which help students to solve problems in Power engineering
8	ZENITH (Outsourcing)	To make positive changes and make individuals ready for the industry.
9	SPARK initiated summer trainings on 1. Advance PhP 2. Algorithm Design and Data Structure 3. Core Java 4. Embedded System design and prototyping using Aurdino 5. Embedded System design and prototyping using Raspberry Pi	To acquaint our students to the increasing demands of new technology so that they can uses their acquired knowledge to develop projects and products

1.2.2   Does the institution offer program that facilitate twinning /dual degree? If 'yes', give details.

No, the institute does not have any approval from the affiliating University to offer any program that facilitates twin/ dual degree.

1.2.3   Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development,

academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

Range of Core / Elective options offered by the University and those opted by the college

From second year onwards, university offers science based open electives, departmental electives- I, II, III and open electives.

The open elective subjects help students to study about various topics of interest and satiate thirst for knowledge about subjects beyond the scope of branch.

Choice Based Credit System and range of subject options
This provision is not available with the affiliating University.

Courses offered in modular form:
The college being affiliated to UPTU does not offer any course in modular form as **per** the approval from the university.

Credit transfer and accumulation facility
This provision is not available with the affiliating University.

Lateral and vertical mobility within and across program and courses

Admission to Lateral entry in B.Tech. (III Semester/ II year) is provided to students who are Engg. Diploma holders or B.Sc. Graduates with Mathematics as one of the subject at XII standard. Lateral admission to MCA II year, is given to those students who are Graduates of BCA or B.Sc. Information Technology/Computer Science.

Vertical Mobility of Students is done in the following procedure
Students who has secured 60% or higher marks in first year without Carry over Papers and has passed all subjects in one attempt is eligible for Branch change within the branch of the same shift.

Enrichment courses
The college is very prompt and apt in providing enrichment courses to our students like

1. Continuous SEEP (Student Employability Enhancement Program) training
2. Summer Trainings conducted by various departments and SPARK
3. Regular training of students at Industrial Automation Research and Training Center (IARTC)
4. Certification courses by COEs

1.2.4 Does the institution offer self-financed program? If 'yes', list them and indicate how they differ from other program, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

ABESEC is a self-financed institution affiliated to UPTU, Lucknow, the courses offered by the college are primarily approved by AICTE- New Delhi and notified by University.

The admission process, curriculum, fee structure etc., are all governed by university-UPTU Lucknow.

1.2.5 **Does the college provide additional skill oriented program, relevant to regional and global employment markets? If 'yes' provide details of such program and the beneficiaries.**

S.No.	Name of certificate / diploma / skill development courses offered by ABESEC	Details of program	Beneficiaries
1.	Center of Excellence (COE) • SAP uAcademy • Microsoft IT academy • Cadence Design System & Impetus Infotech Ltd. • TCS Center of Excellence • IBM Center of Excellence • Rockwell Automation, USA • Aspiring Minds • Cocubes.com • NICCO Ventures & Monster College • National instruments • Texas instruments • smc	It has been observed by stake holders that there is a huge difference between the University curriculum and need of industry. Thus, this issue is resolved by training the students as per needs of the industry and COE facilitate this issue.	Students, Industry, Faculty and Staff
2.	SEEP [Student Employability Enhancement Program]	Aptitude and soft skills ar considered to be the primary necessity of the industry along with technical expertise. SEEP help the students to enhance their soft skills and prepare them for the same.	Students, Industry, Faculty and Staff
3.	SPARK initiated summer trainings on • Advance PhP • Algorithm Design and Data Structure • Core Java • Embedded System design and prototyping using Aurdino • Embedded System design and prototyping using Raspberry Pi	SPARK is a platform where the faculty and students come together, share their innovative ideas and pursue their ideas into a product or prototype.	Students, Industry, Faculty and Staff

1.2.6 **Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice" If 'yes', how does the institution take advantage of such provision for the benefit of students?**

No, the University as well as the college does not offer any Distance Mode of Education. The complete course curriculum is based on conventional face-to-face mode of education.

1.3   Curriculum Enrichment

1.3.1   Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic program and Institution's goals and objectives are integrated?

- Value added courses / trainings:
  ABESEC offers various courses / trainings which supplement to the University curriculum by exposing the students to the evolving technologies through the college's initiatives in the form of Center of excellences and SPARK.
  Students are benefitted to a large extent by various summer trainings provided by SPARK as well departments.
- Industrial visits:
  The students are exposed to various industries of their respective streams to give them a practical feel of what engineering is all about. This is also pivotal to make a connection between theory and practical aspects.
- Guest Lecturers / Seminars / Workshops/ Webinars
  Guest Lecturers / Seminars / Workshops/ Webinars are conducted on a regular basis and they play a decisive and crucial role in improving the teaching learning process.
- ICT based courses:
  Many departments of the college conduct ICT based FDPs through NITTR, Chandigarh which is an eminent organization for improving the effectiveness of delivery and competence of faculty.
- Content beyond syllabus of curriculum:
  As per the set trend and the requirement of the time, certain theoretical and practical aspects of the field of engineering are also introduced and taught which are beyond the scope of syllabus to ascertain that the students are thoroughly updated and equipped with the dynamics of the employable market.

1.3.2   What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

The institution is putting the following efforts to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the need of the dynamic employment market:
- SPARK to promote innovative ideas and their implementation.
- Center of Excellence provides various certification courses and a platform to augment the practical know-how of the students.
- Summer trainings and industrial visits enrich the students' practical knowledge.
- Guest lectures, seminars, workshops, webinars etc. to create awareness of recent trending topics and to interact with resource persons from various industries.
- Two hours per week are assigned for technical training apart from curriculum topics.
- Students are encouraged to actively participate in seminars, conferences, workshops etc.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

Following are the efforts made by ABESEC to integrate cross cutting issues:

- For handling gender related issues, a Women Grievance Cell (WGC) is constituted in the college which safeguards the interests of girl students & female faculty. It organizes seminars & events for empowerment of women. In past years, WGC organized programs like Wall Painting Competition (Theme: Women Empowerment), Self Defense Classes, Cancer Awareness programs.

- For Environmental Education, NSS Club of the college regularly organizes "Swachchta Jagrukta Abhiyan".

- The Alumni of ABESEC founded an NGO named "HELP US TO HELP CHILD (HUHC)". This NGO is doing wonderful job by helping underprivileged and poor children to study. The legacy of NGO passes on year by year from passouts to the graduates to be.

- ICT based courses are run by NITTTR, Chandigarh and all the departments of the college take its maximum benefit to train and upgrade their faculty.

- Webinars are organized through IUCEE for progression of teaching learning processes.

- The college has its own Rain Water Harvesting System and power supply using solar panels.

- College promotes "Nukkad natak" which centres on the crucial social and environmental issues like female foeticide, crime against women, saving natural resources etc.

1.3.4 What are the various value-added courses/enrichment program offered to ensure holistic development of students?

The various value added courses / enrichment program offered to ensure holistic development of students are:

MORAL & ETHICAL VALUES

- Course / Seminars on Human Values and Professional Ethics is offered to our students so as to inculcate moral and professional values in them to make them a competent engineer.

EMPLOYABLE & LIFE SKILLS

- SPIC-MACAY chapter in ABESEC promotes classical form of art among youth.

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- Art of Living Camps are organized continuously for the benefit of faculty, staff and students.
- ART CAMP where artists from all over India were invited and they participated with full zeal and zest.
- Yoga Club organizes several activities to enhance mental and physical fitness of faculty, staff and students.
- Literary Club organizes several activities to enhance written and spoken skills of students.
- Dramatics Club of ABESEC gives our students an opportunity to overcome their stage fear, improve their confidence & communication skills.
- Hobby Club and Cultural club give the students a platform to showcase their creative sides.

BETTER CAREER OPTIONS
1. Projects under Innovation Cell of ABESEC known as SPARK
2. Summer training by various departments
3. Center of Excellences
4. SEEP [Student Employability Enhancement Program]
5. T & P cell initiatives throughout the year
6. Industrial Visits
7. Guest Lectures
8. Hand-on training by experts from academics / industry

COMMUNITY ORIENTATION

Help Us To Help The Child (HUHC)

It is a registered non-profit organization working very passionately to provide education to all sections of society. H.U.H.C. is a Social Welfare Association founded in February 2012 by Mr. Shwet Prakash Srivastava (Alumunus, ABES, EC) for imparting education to the underprivileged children in slum areas, who do not have means to go to school.

Recent Program of HUHC:

1. Children's Day (14 Nov'14):
Children were given cloths and other eatables. The students of Kiran Shiksha Sansthan, KSS were given the T-shirts (Uniform) on this occasion. Several kids enthusiastically participated in the Drawing Competition organized by The NGO.

2. Chandigarh Chapter (02 Dec'14):
HUHC started its first Literacy center in Chandigarh with the help of students of Amity Global Business School (AGBS). This center is in its very initial phase and around 45 children are getting education at this center.

3. Christmas Charity Drive (22, 24 and 25 Dec'14):
HUHC celebrated this Christmas Day on three days with the greater enthusiasm and zeal shown by both the children and our members. The charity drive was supported by the philanthropic support of two Noida based software companies Sopra India and Magic Software Pvt Ltd... HUHC Chandigarh Chapter celebrated Christmas Day on 22

December while Ghaziabad Chapter celebrated on 24 and 25 December at the two centers separately.

4. Ghaziabad Chapter- AKG, EC Center (24 Jan' 15):

With three Centers in Ghaziabad already, HUHC is starting another Literacy Center with the support of students of AKG Engineering College, Ghaziabad, under their Campus Ambassador Program.

- NSS Club of our college continuously organizes community welfare programs like:
    1. Blood Donation Camp
    2. Swacchcha Bharat Abhiyaan
    3. Celebrates World Environment Day
    4. Health Checkup Camps
    5. Orphanage & Old age Home clothes and other necessary item collection
    6. Tree Plantation activities

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

Enriching the curriculum is always on the top agenda and hence ABESEC explores various channels to collect responses on curriculum from Stakeholders.
- The student feedback is normally taken twice in a semester regarding their syllabi and their comfort level with the teachers in the class room.
- The class review committee meetings give an opportunity to the faculty members to understand the needs of the students and initiate corrective steps in teaching learning processes.
- The college best tried to enrich the curriculum by arranging Parents teacher's meetings, Alumni associations and Industrial visits. Opinions, thus gathered, are recommended to the University through the Syllabus committee members. This helps in enriching the curriculum to a significant extent.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment program?

Advancement of knowledge of students to ensure their success is considered very significant by ABESEC. Hence, maintenance of quality in the teaching learning process and its enrichment program is clearly monitored. It is the responsibility of IQAC to monitor and evaluate the efficiency and success of these enrichment programs. This cell meets with the higher authorities from time to time and confirms that the enrichment programs meet the desired objectives. The institution makes sure that the program offered in the curriculum, foster global competencies among students, inculcate a value system among students; promote the use of technology and quest for excellence.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

UPTU revises its syllabus after every 4 years and for the same suggestions are given by the expert panel of ABESEC.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new program?

ABESEC encourages various stakeholders such as students, alumni and industry people to give their feedback. The institution collects all feedbacks and communication in the form of questionnaires and analyse, develop areas of improvement on it.

Students

The class committee meetings that held periodically provide a platform for the students to discuss academic and non-academic issues. Difficulties experienced by the students are noted and the same is communicated to the university through Syllabus committee members, Boards of Studies meetings or forwarded to the university when suggestions are invited during syllabus revision.

Alumni

The alumni who visit College and also through E-Mail/Social Network give constructive suggestions on helping the students achieve greater focus and improving themselves.

Employers/ Industries

Each department has a specific departmental committee which invariably communicates with the personnel from industries. Their valuable suggestions during meetings in improving the curriculum needs to match with needs of the industry are duly communicated to the university. The institute also collects feedback from the recruiters on the performance of students. This enables the institution to understand what industry expects from the students and act accordingly.

Academia

The College is often visited by academicians all over India and also from abroad. Their views on the curriculum are obtained and efforts are made to incorporate the same. The institution takes part in the curriculum development process through appropriate analysis of feedback given by the various stake holders from time to time and makes suggestions for modifying curriculum.

1.4.3 How many new program/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/program?)

In order to meet the ever increasing demands of skilled manpower in various realms of engineering, ABESEC introduced the following courses:

S.No.	Program Details	Year of Introduction	Intake
1	B.Tech. (Civil Engineering)	2011	120
2	M.Tech (ECE)	2009	18
3	M.Tech (CSE)	2009	18
4	M. Tech (ME)	2013	18

Regular M.Tech.(CS, EC & ME) was introduced at Institution to cater the need of the students of NCR who wanted to adopt Masters for pursuing Higher Studies.

As per market demand considering the development of Real Estate Industry in NCR which is our operative area the introduction of B.Tech. Civil Engineering was introduced in 2011.

CRITERION II: TEACHING - LEARNING AND EVALUATION

2.1 Student Enrollment and Profile

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

Being a self-finance Engineering College, affiliated to UPTU, the college follows the UPTU Admission Process.

Publicity:
- Admission notification is published in all leading national and regional daily newspapers in English and Hindi.
- The advertisement contains detailed information about the UG and PG program, eligibility criteria, process of admission, and the facilities provided by the college.
- The College also ensures publicity in the admission process through our college website at www.abes.ac.in
- Through college prospectus and brochure.

Transparency:
The selection of aspiring student takes place through centralized counselling process based on merit or rank of an individual in UPSEE. The students allocated for our institute are admitted in the respective programs as per the ordinance of UPTU. 15% direct admissions are total based on merit PCM percentage of 10+2 board, as per affiliated university guidelines.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various program of the Institution.

(I) MODE OF ADMISSIONS & ELIGIBILITY CRITERION FOR B.Tech. I YEAR
There are three modes for admission:

1. Through UPSEE (U.P. State Entrance Examination)

   (i) 65% of the Intake seats available in B.Tech. will be filled by the candidates who have Passed the qualifying examination from any institution located in U.P. or whose parents are domicile of U.P. & who has Qualified UPSEE and is allotted ABES Engineering College (College Code -032) after Counselling.

   (ii) Qualified candidates, who have clearly passed intermediate examination of U.P. Board or 10 + 2 level examination or its equivalent from any recognized Board / University and securing minimum 45% marks (40% marks for SC/ST Category candidates) without grace in each compulsory subject as Physics, Maths and one optional subject as Chemistry/Biology/Biotechnology/Technical Vocational Subject.

(iii) If the candidate has passed qualifying examination from outside of U.P., he/she has to produce domicile certificate of his/her parents (Father OR Mother only) at the time of verification of document.

2. Through JEE (Main)

20% of total sanctioned seats available will be filled by JEE (Main)-2015 merit for admission to Technology/Architecture courses; out of which 10% seats will be filled through U.P. domicile candidates on U.P. State merit using state reservation policy, and the remaining of 10% seats will be filled through All India merit candidates without reservation.

3. Through Direct Admission under Management Quota/Vacant Seats after Counseling of UPSEE

15% of total sanctioned seats will be filled by the candidates under Management quota; and the same shall be filled up in accordance with the procedure prescribed in the Govt. orders for which the student has to approach the college for appearing in the written test / or interview to be held in the college at the time of admission before the selection committee. The admission under this category would be made purely on merit basis.

- ADMISSION TO NON-RESIDENT INDIAN (NRI) CANDIDATES
  We have no sanctioned quota under this category in our college as such we do not entertain admissions under this category.

- ADMISSION TO KASHMIRI MIGRANTS IN FIRST YEAR
  Direct admission to Kashmiri Migrants in first year is to be made as per the latest instructions of AICTE and orders from U.P. Govt. Such admissions will be over and above the sanctioned intake and normally limited upto one admission per Institute affiliated to UPTU, Lucknow.

(II) ADMISSION TO Tultion FEE WAIVER SEATS FOR ECONOMICALLY WEAKER MERITORIOUS STUDENTS

As per AICTE notification fee waiver seats for economically weaker meritorious candidates are also available in B.Tech.Course. No tuition fee will be charged from the candidates admitted against such seats. The fee waiver seats will be limited to maximum of 5% of the approved intake in the course, and will be over and above of the sanctioned intake.

(III) MODE OF ADMISSIONS& ELIGIBILITY CRITERION TO B.TECH SECOND YEAR (LATERAL)

Seats are limited to a maximum of 20% in addition to the sanctioned intake in institutions/ colleges for different courses at first year level. However, for B.Tech. Students belonging to B.Sc. stream shall be considered only after filling the seats in this category with students of Diploma Stream.

1. Through UPSEE
   (i) Seats will be filled by Candidates who have qualified UPSEE & Who has passed "three years Engg. Diploma from an Institution located in

U.P. with Minimum 45% marks (40% for SC/ST) or whose parents (Father or Mother) are Domicile of Uttar Pradesh and he/she has passed three years Engg. Diploma with Minimum 45% marks (40% for SC/ST) recognized by the Board of Technical Education, U.P., in any branch of Engineering (except Agriculture Engg., / Pharmacy and Architecture), are eligible.

(ii) Or who has passed three years B.Sc. degree and passed XII standard with mathematics as one of the subject from any recognized University; securing minimum 45% marks(40% for SC/ST)in aggregate, are also eligible

(iii) If the candidate has passed qualifying examination from outside of U.P., he/she has to produce domicile certificate of his/her parents (Father OR Mother only) at the time of verification of documents.

2. Through Direct Admission (Lateral Entry) to Second year under Vacant seats after Counseling of UPSEE
    (i) Firstly by the qualified candidates of UPSEE who fulfill the eligibility. Their relative merit will be decided on their rank in UPSEE.
    (ii) Secondly the vacant seats, if any, will be filled on merit by such candidates who have passed the qualifying examination securing minimum 50% (45% for SC/ST) marks in aggregate without any grace marks.

(IV)   MODE OF ADMISSION & Eligibility criterion for MBA:

There are two modes for admission:
Through – UPSEE
85% seats will be filled by the UPSEE qualified candidates, who have passed the qualifying examination from any institution located in U.P. or whose parents are domicile of U.P subject to the eligibility conditions given in this information brochure. If the candidate has passed qualifying examination from Outside of U.P., he/she has to produce domicile certificate of his/her parents (Father OR Mother only) at the time of verification of document.

For admission to first year of MBA a candidate must have passed Bachelor's degree course of three years minimum duration from any recognized Indian University or its equivalent; recognized by A.I.U. securing minimum 50% for General and OBC (45% for SC/ST) marks in aggregate .

Through Direct Admission under Management Vacant Seats
15% of total sanctioned seats will be filled under Management quota in accordance with the procedure prescribed in the Govt. orders and the admission under this category would be made purely on merit basis.\
The vacant seats in Management quota or vacant seats after counseling of UPSEE shall be filled.
   i)   Firstly, by the qualified candidates of UPSEE, who fulfill the eligibility as per clause 3.2(of UPSEE Brochure).
   ii) Secondly by the qualified candidates of valid CMAT/CAT/MAT score fulfilling the eligibility
   iii) Thirdly by the merit of candidates in qualifying examination. A candidate must have passed minimum three years Bachelor Degree course from

any recognized University; securing minimum 50% (45% for SC/ST) marks in aggregate without any grace marks. The relative merit shall be decided based on aggregate of qualifying examination.

(V) ADMISSION TO M.TECH COURSE

ABES Engineering College offer M.Tech Course in Computer Science and Engineering, Electronics and Communication Engineering and Mechanical Engineering.

The eligibility criteria as per the affiliated University (UPTU Lucknow) are as under:-

- Candidates must have a valid GATE score
- Candidates must have passed B.E/B.Tech in their respective disciplines with a minimum of 60% in aggregate (54% of SC/ST/PWD candidates)
- Candidates who have passed their qualifying examination in Uttar Pradesh will be given preference over all candidates
- Non GATE candidates will be given admissions on the basis of their Qualifying Exam Marks for the vacant seats left after allotment to GATE candidates

2.1.3 **Give the minimum and maximum percentage of marks for admission at entry level for each of the program offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.**

- The admissions are governed as per the guidelines of the affiliating University (UPTU, Lucknow) which conducts common entrance test UPSEE and prescribes eligibility criteria as mentioned above in 2.1.2 .
- The seats are allotted as per the Rank obtained by the student in UPSEE Examination. The comparative statistics of Admissions base on the Rank system is as under:

ABES Engineering College, Ghaziabad (College Code : 032)

Opening & Closing Rank (2013-14)

	CS						EC						ME						CE					
	Gen OP		BC OP		SC OP		Gen OP		BC OP		SC OP		Gen OP		BC OP		SC OP		Gen OP		BC OP		SC OP	
	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg
ABES(032)	2566	11445	12945	20444			8802	13161	13377	27081			4843	8792	9215	28464				3854	10321	10420	13547	
ABESIT																								
AKG(027)	856	4093	4109	7199	15932	29911	2600	5693	5916	14452	23645	NA	2306	4663	5236	7069	17929	27789	2671	9935	14382	16775	18066	28646
KIET	2688	5604	7070	12648			5624	8613	9771	11725			2962	6120	6617	8629	23567	29856	4248	7024	7535	9328		
IMS,GZB	6737	16021	16342	23461			9936	18826	22163	27047			9343	13033	14344	18303				11384	14667	14921	19267	
RKGIT(033)	3385	10210	11809	22141			10480	14812	16107	21993			6106	10166	10416	12465				8915	12523	12818	15169	

	CS 2nd Shift						EC 2nd Shift						EEE 2nd Shift						ME 2nd shift					
	Gen OP		BC OP		SC OP		Gen OP		BC OP		SC OP		Gen OP		BC OP		SC OP		Gen OP		BC OP		SC OP	
	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg
ABES(032)	3715	12094	14562	27310			2659	19076	19493	29223										7170	12241	12535	14049	
IMS,GZB	11175	27666	25339	29925			16657	25707					11572	24514						10768	16845	19394	24708	
RKGIT(033)	7354	16290	16306	26395			13279	21479	21725	25873										9464	15140	15163	17980	

	Electronics & Instrumentation						EEE						IT						EE					
	Gen OP		BC OP		SC OP		Gen OP		BC OP		SC OP		Gen OP		BC OP		SC OP		Gen OP		BC OP		SC OP	
	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg	Opng	Clsg
ABES(032)							8670	11932	12017	15968			6469	15848	16258	25290								
ABESIT																								
AKG(027)	5938	7757	8719	21247			1453	7447	7472	16890			4687	5900	8626	14059								
KIET	8387	10336	11984	24635			6176	8029	9020	11085			5671	8643	10006	19164								

IMS,GZB						9037	20061	21656	29684			16377	23950	27626	28919								
RKGIT(033)	19994	27930				8253	15584	16103	21018			10447	15881	16322	27659								

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

The admission granted under Uttar Pradesh State Entrance Examination (UPSEE) are governed by the rules and regulations of the affiliating university i.e. Uttar Pradesh Technical University (UPTU). The admission upto the extent of 65% are covered under this category. 20% of the admissions are granted on the basis of the performance of Joint Entrance Examinations (JEE)

15% of the admissions granted under management quota are strictly done on the on merit basis after conduct of admission test and interview. By adopting this process the college was able to recruit quality students.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

Students from SC/ST/OBC Community:
Students from SC/ST and other backward classes are allotted seats as per state policy. Fees exemption and endowment benefits are also extended to these students. The college makes tireless efforts to create awareness on the importance of higher studies i.e. education as a means of socio-economic change and a means empowerment.

The college ensures that an awareness and orientation on the financial and academic facilities, incentives to the marginalized students is categorically framed. The college also arranges extension lectures and career counselling for the students falling under the categories mentioned above.

Women:
For women, there is 20% reservation under sub-categories for admission. Separate hostel facilities are available for women. The college provides counselling to the needy parents of women students on the importance of women education, exclusive facilities available for women, financial incentives and security and protection provision. Free books and other incentives are provided to the Girl students.

Differently-abled:
There is reservation for students belonging to differently-abled categories as per Government notifications. Their requirements and needs are given a special care and attention. The college has made a ramp in front of the canteen, administrative office, classes and toilets to facilitate the differently-abled. The lift facility is available in the building where ramp is not available.

Economically Weaker Sections of the Society:
As per AICTE notification, 5% seats of approved intake in the course are given admission under fee-waiver scheme, for economically weaker meritorious candidates in B.Tech Course. No tuition fee is charge from such candidates.

Minority:
The college under the direction from the Central Government, State Government and its affiliating university offers every possible help to the students belonging to the minority community.

Athletes and Sports Persons:
The admission are governed by the rules and regulations as per the affiliating university. The guide lines issue by the UPTU University for such candidates is strictly followed.

2.1.6 Provide the following details for various program offered by the institution during the last four years and comment on the trends. i.e. reasons for increase/decrease and actions initiated for improvement

Program	2014-15			2013-14			2012-13			2011-12		
	Approved Intake	Students Admitted	Demand Ratio	Approved Intake	Students Admitted	Demand Ratio	Approved Intake	Students Admitted	Demand Ratio	Approved Intake	Students Admitted	Demand Ratio
UNDER GRADUATE COURSES (B.Tech)												
CE	120	124	103	120	125	104	120	126	105	60	63	105
CSE	240	244	102	240	249	104	240	251	117	180	191	106
ECE	240	246	103	240	240	100	240	249	104	240	244	102
EEE(EN)	120	121	101	120	125	104	120	125	104	120	122	102
IT	120	123	103	120	92	78	120	63	53	60	62	103
ME	180	186	103	180	187	104	180	189	105	90	94	104
POST GRADUATE COURSES												
MBA	180	122	68	180	134	74	180	176	98	180	179	99
MCA	120	62	52	120	79	66	120	60	50	60	60	100
M.Tech COURSES												
CS	18	11	61	18	12	67	18	18	100	18	18	100
EC	18	08	44	18	06	33	18	05	28	18	11	61
ME	18	06	33	18	00	00	18	00	00	00	00	00

The demand ratio above 100 is due to additional intake of 5% of students beyond sanctioned intake under Fee Waiver Scheme for economically weaker eligible students.

2.2   Catering to Student Diversity

2.2.1   How does the institution cater to the needs of differently- abled students and ensure adherence to government policies in this regard?

The institution has put up following efforts to cater to the needs of differently-abled students as per government policies:

- Ramps are available in almost all the blocks in the campus and a block where there is no ramp, lift facility is available.
- Such students are attached to faculty counselors or their mentors to take care of their specific requirements.
- There is a provision of accommodating differently–abled students only on the ground floor of hostels.
- Adhering to the government policies for the differently-abled, certain seats are reserved for them during the admission process.
- All the other Government initiated schemes for differently-abled are religiously followed by ABESEC.

2.2.2   Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the program? If 'yes', give details on the process.

The institution takes up following measures to assess the students' needs in terms of knowledge and skills before the commencement of the program:
- Each student has to undergo an introductory quiz series which is primarily based on 10+2 fundamentals. After evaluation of these quiz sheets as well as their PCM percentage in 10+2 , faculty easily assesses the academic foundation of the student
- Depending on the faculty assessment, special evening classes are conducted for strengthening their basic concept of respective subjects.
- After the first sessional test, academically needy students are re-arranges into a separate section so that faculty can work and monitor on their progress in the best way possible.

2.2.3   What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the program of their choice?

Following strategies are adopted to bridge the knowledge gap of the students:

- *Tutorial Classes and Separate section for academically needy students:*
  Tutorial classes are arranged after the working hours of college for all years' students which have doubt clearing sessions for different subjects. Generally those subjects which are found to be difficult by the students are selected under this category.

- *Guest Lectures by experts from Industry/Academia:*
  All departments of the institution are conducting lectures delivered by experts from various industries, research organizations which are instrumental in bridging the gap between academia and industry.

- *PDP/SEEP classes in the campus:*
  Center for Career Planning and Development (CCPD) has created a platform for students to horn their Employability skills along with Aptitude through various activities like SEEP (Student Employability Enhancement Program) and Aptitude Skills Enhancement Program.

- *CENTRE OF EXCELLENCES (COE)*
  COE empower college to provide the best of opportunities in the career development of students. It helps college to deliver the high quality and cutting edge technology services to provide the global opportunities in placements to students.

- *SPARK*
  SPARK is committed to establish a self-sustaining ambience that promotes creativity and the spirit of innovation among the students. The program aims to promote research at the under graduate (UG) level.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

The institution has taken up following measures to sensitize its staff and students on crucial issues:
- Women's Grievance Cell is constitutes to cater to the problems & issues related to girls and female faculty and staff. Various seminars and workshops women empowerment and gender equality are conducted. For example, self-defense workshops, wall painting competition with the theme on women empowerment, cancer awareness program.
- NSS is actively contributing to create social awareness among students by organizing events like Campus Cleaning Programs, Seminars on Non-conventional Energy Resources.
- College has already installed its own rain Water Harvesting System and initiated the process of installing solar energy panels.
- Dramatics Club of the college actively organizes various dramas and Nukkad Nataks on burning social and environmental issues.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

The institute has always been very enthusiastic about satisfying the academic hunger of advanced learners. To achieve the same, following steps have been taken:
- Advance learners are encouraged to actively participate in various National and International conferences/ competitions/ workshops so that they can get a platform to interact with the intellectually elite class of academicians and industrialists.
- Spark, the innovative cell of the college has provided an opportunity to share the innovative ideas (IDEA 101 and IDEA 51) of advanced learners with the college. The college has provided trainings, mentoring, infrastructure and

financial assistance to the students so that their ideas can shape up into a product or prototype.

- Center of Excellence (COE) is providing regular evening trainings and various other activities to train the students.
- Summer trainings conducted by Spark, COE and other departments are pivotal in giving the advanced learners a hand on experience on recent trends of engineering.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the program duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

The institute collect, analyze and use the data and information on the academic performance (through the program duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies) by taking following measures:

- *Active Counseling*
  The institution has a dedicated counseling cell which warmly welcomes the students with any sort of problem and provides psychological, academic and financial assistance and support.
- *Mentor-Mentee scheme*
  From 2nd year onwards, each faculty is allotted with 8-10n students for whole program and as a mentor and he / she is responsible for tracking their progress in every aspect as well as look after their financial and psychological need.
- *Benevolent fund*
  The benevolent Fund is provided by the college authorities to cater to the needs of academically good but economically weaker sections as the disadvantaged sections of the society.
- *Separate sections and evening classes*
  ABESEC has the provision of creating separate sections for academically needy students where they are equipped with better and most senior teaching faculty to handle them on their academic and ethical front too.
- *Infrastructure related assistance to physically disabled*
  All blocks of the campus are having ramps, lifts for helping physically disabled students.
- *Fee concession schemes and scholarships*
  The institute offers various fee concession and scholarship schemes for the welfare of students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.

2.3   Teaching-Learning Process

2.3.1   How does the college plan and organise the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

The college is adopting following steps to plan and organize the teaching, learning and evaluation schedules:
- In the beginning of each academic session, academic calendar is designed by the institution in accordance with that of affiliating University.
- Lesson plans and course files are prepared according to the number of lectures requires in each subject. The academic calendar defines the number of teaching days available, according to which the timetables are prepared and sessional examinations are scheduled.
- With the help of periodic class tests, sessional tests and end semester examinations, the progress of student is monitors as well as evaluated as per the University. The sesssional marks are awarded on the basis of performance of the students in the test conducted, attendance and overall class performance throughout the semester.

2.3.2   How does IQAC contribute to improve the teaching –learning process?

The IQAC functions as a core quality enhancing system, facilitating a sense of belongingness through a participatory approach towards enhancing, sustaining and internalizing quality culture within the institution. The IQAC is made up of a team, headed by the Director as well as Head, Quality & Head, Applied Research.

IQAC channelizes the efforts of the institution towards academic excellence in
- Improving the academic performance of the institution
- Imparting knowledge through team work at relentless efforts
- Helping to optimize, integrate and monitor the modern Methodss of teaching learning and evaluation
- Promoting innovative practices in teaching
- Organizing workshops and seminars related to quality improvement
- Motivating faculty members periodically to attend programs on new and emerging technologies
- Getting feedbacks assure the quality of teaching learning
- Making teaching learning more students-centric

2.3.3   How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The learning is made more student – centric by adopting following strategies:
- **Smart classrooms:**
  All classrooms are equipped with LCD projectors, acoustics, USB ports, green boards etc. These facilitate proper and effective lecture delivery by the faculty members.
- **Video lectures and webinars:**
  The college is promoting extensive use of video lectures and webinars by eminent academicians for better learning.
- **Peer group interaction**

In this scheme an academically strong student is peered with few academically needy students where one supports another and helps in proper academic growth.

- **Competitive projects**
  The students are encouraged and provided all sort of assistance so that they can participate in various National and International competitions.
- The college encourages faculty members to introduce topics beyond syllabus in both theoretical and practical sessions so as to keep them updated with the recent trends in their respective fields.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

For nurturing critical thinking, creativity and scientific temper among the students, the institution is taking following measures:
- To promote innovative ideas and their implementation, SPARK is constituted.
- Various certification courses and a platform to augment the practical know-how of the students through Center of Excellence (COE)
- The students' practical knowledge is enhanced through summer trainings and industrial visits.
- Guest lectures, seminars, workshops, webinars are also instrumental in creating awareness of recent trends.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Program on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

The teachers employ interactive and participatory approach creating a feeling of responsibility in learning. The use of modern multi-media teaching aids like multimedia projectors, online learning through Internet enabled computer along with social group interaction making communication easy and convenient are also employed.
- Virtual Labs are established: Objective of the virtual labs is providing remote access to labs in various disciplines of science and engineering. This has helped the students in learning advanced concepts through remote experimentation. This has provided a complete learning management system where students can avail various tools for learning including additional web resources such as video lectures, animated demonstrations and self-evaluation tests. The virtual lab established in the college in Collaboration with IIT Delhi, is used to conduct experiments in the areas of Analog Electronics and Digital Electronics by our ECE Department.
- Links from NPTEL (Link provided on DELNET, Central Library): NPTEL resources such as presentations video lectures, technical discussions etc.
- There are large number of technical magazines, journals and books in the Central and Departmental Library.
- Wi-Fi campus and internet accessibility to all students in academic blocks of the campus and hostels.
- Establishment of Centers of Excellence has enabled to diminish the gap between industry and academia.

- Social Groups: There is a facility for formation of Social groups for collective and convenient information delivery which includes important message conveying, notes sharing and problem solving during examination.
- ICT based FDPs by NITTTR Chandigarh, are organized for the enrichment for teaching and learning.
- Webinars by eminent personalities conducted at college and departmental level.

2.3.6 **How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?**

For training the students and faculty in advanced level of knowledge and skills, following steps are being taken:
- Centre of Excellence (COE)
  It is established for the technical advancement of faculty and students. Following are the companies collaborated:
  1. SAP uAcademy
  2. Microsoft IT Academy (ITA)
  3. Cadence Design System and Impetus Infotech Ltd.
  4. TCS
  5. IBM Centre of Excellence
  6. Rockwell Automation, USA
  7. Aspiring Minds
  8. NICCO Ventures And Monster College
  9. Co-Cubes.com
- Guest Lectures by experts from Industry and academia are given
- The college is promoting extensive use of NPTEL video lectures.
- ICT based FDPs and webinars are instrumental in enhancing effective Teaching Learning processes.

2.3.7 **Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?**

The teaching faculty, who is a counselor for a batch of 15 students, provides orientation and guidance and is responsible for the holistic development and welfare of those students. Students are counseled periodically, fortnight / month, about their academic performance, financial problem, hostel problem and other personal problems. If required, parents are invited for counseling along with the students. Student's progress reports are maintained by the counselor from first to final semesters. Parents/Guardians are informed about the performance of the students on monthly basis. Continuous evaluation with feedbacks provides an opportunity to enhance their academic performance and behavior.

The Career guidance Cell interacts with students time to time and guides them for better career options in their respective fields. The cell not only offers help for job hunting but also improves skill and personality of the students by organizing various workshops on communication-skills and personality developments. Placement drives are organized by the institution by inviting MNC's and Industries of repute.

The Grievance Redressal Cell constitutes the Principal and other senior faculty members. The function of the cell is to redress the grievances regarding personal matters, academic problems, hostel accommodation and health problems etc. It upholds the dignity of the institution by ensuring an unprejudiced educational environment.

The students who seek psychological boosting or the candidates who are psycho-socially left out are given psychological counseling by:

Counselor	:	Ms. Achla Tyagi
Qualification	:	Ph.D (Psychology), M.A (Psychology)
Availability	:	During and beyond College hours.

Every faculty strives to act as a true friend, philosopher and a guide for the students.

2.3.8 Provide details of innovative teaching approaches/Methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faulty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

A number of innovative teaching Methodss have been adapted for effective teaching. Following efforts are encouraged by the college:
- The faculty members are encouraged to participate in National/International level seminars. They are provided financial assistance for this purpose. The faculty members who attend such seminars/ conferences share their experience with students and faculty with latest information and talent developments.
- The teaching through Smart Class software enables three-dimensional understanding of difficult topics.
- NPTEL resources and open resource software are widely used to innovate teaching learning Methods.
- Guest lectures, industrial visits and symposiums through eminent personalities from academics and industries are very helpful in innovating teaching learning Methodologies.

2.3.9 How are library resources used to augment the teaching-learning process?

Library is the spinal column and the soul of ABES Engineering College and carries a vigorous role in teaching, training, research and development and provides the foremost foundation for distinct research at our college. Library is intended to help academic community to keep up-to-date with the latest advancement in their area of interests and to deliver information sustenance for research and Training. Students also utilize library as a source of information in accord with their course curriculum as well as for their self-development.
- The Library works 14 hours in weekdays and 8 hours on weekends & vacation to smooth access to the students.
- The Library consists of 17 Library staff including 9 staff with a degree in library management.
- Spacious area of around 1000 Square meter with 240 seats in reading space.
- Fully automated computerizing search along with bar code system with INDEST Library management system.

- More than 3700000 books, around 3400000 hard copy of magazine/journals with 1600000 soft copy of journals and magazines.
- Library is always blessed with numerous of E-Books, Lecture CDs of IIT Faculties and Video Cassettes with all modern and latest techniques.
- E-solutions for university and college test papers are available in the e-resource section of the library.
- Students can also obtain a hard copy for the notes of the subjects and solutions of question papers.
- We have a Wi-Fi enabled campus, wherein students and faculty members can access internet (free of cost) from any location within the campus.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

- The college has a well laid down system to plan the schedule in advance and monitor the coverage of syllabus on regular basis to ensure curriculum completion within the given schedule.
- But according to college norms, time table is designed such that each subject is given 1 or 2 lectures in addition to what is mentioned in UPTU syllabus. This helps in covering the curriculum well in time and also some periods are dedicated to revision.
- Constant monitoring by the management and HODs ensure effective implementation of the work plans. IQAC keeps check on a syllabus covered by the various departments on regular basis. When college faces challenges in completing the curriculum, the faculty manages by conducting extra classes.
- Moreover, faculty provided sufficient study materials in the form of hand outs and ppts to help the students in every possible manner.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

The institution monitors and evaluates the quality if teaching and learning through following:
- The feedback process plays a crucial role in monitoring and improving the quality of teaching learning process. There are two levels of feedback: one at management level (through face to face interaction with 4-5 students from each class) and another at departmental level where students fill up an online feedback form.
- End semester results of the university are monitored in terms of the class average and overall pass percentage. In this regard, an upper and lower limit has been set up. Faculty members achieving higher results are given luxurious gifts and cash prizes, while faculty members not achieving the desired results are counseled by Director and HODs.
- HODs along with expert panel continuously monitor the content delivery in the class room.
- Alumni feedback and parents' inputs are also considered with equal importance. Corrective and preventive actions are taken through discussions in department meetings.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Femal	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	15	1	6	4	11	28	65
M.Phil.							
PG	12	0	19	7	96	118	252
Temporary teachers							
Ph.D.							
M.Phil.							
PG							
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

Following strategies are adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum:

- In the beginning of every academic session, the expected strength of students, number of sections, new subjects to be taught etc. is finalized in accordance with UPTU curriculum.
- Accordingly, total no. of faculty members required program wise is forecasted and the likely vacancies are intimated to HR.
- Advertisements as and when necessary are posted in various newspapers, inviting efficient and qualifies faculty members.
- Expert panel of a respective stream id constituted consisting of Director, HOD, expert from eminent academic organizations and University approved personnel
- Quality faculty retention is taken care by HR department of the institute with the help of various welfare schemes and amicable environment.

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new program/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

ABES-EC has made a lot of efforts to recruit the best quality faculty members in all program.

- Only PG and higher qualified candidates as faculty are recruited by the institution.
- The faculty are encouraged to pursue their Ph.D through QIP/Part time program and get the expertise in latest emerging areas.
- On a regular basis, guest lecturers/seminars/workshops/FDPs/training program on all branches of Engineering are conducted to upgrade the technological skills of the members.
- To attract the new faculty and to retain the existing faculty members, the institution provides requisite facilities like housing for faculty members, subsidized transportation for members coming from a distance, research facilities like library, internet, and incentives for their publications etc.
- The institution is paying higher scales to the faculty to meet the demand of scarcity.
- To encourage the staff to participate in workshops and seminars, teachers are sent on duty leave and are also given TA/DA and other benefits to upgrade their knowledge by participating in state/national and international seminars.

2.4.3 Providing details on staff development program during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development program

FACULTY DEVELOPMENT PROGRAM

Date	Title	Presented By
08.09.2014	Securing Network Through Firewalls, VPN & Intrusion Prevention Based System	IT Dept.
15-19.09.2014	Matlab and its Applications	MCA Dept.
22-26.09.2014	ICT based FDP Optical Fiber Communication	ECE Dept.
17-18.10.2014	Tips and Techniques for Office Management	MBA Dept.
22.11.2014	Awareness on Intellectual Property	MBA Dept.
11.12.2014	Pre requisites Information System, Threats to IS	CSE Dept.
12.12.2014	Security Threats & Security Technologies	
13.12.2014	Security Policies Cyber Laws & IPRs	
18.12.2014	Advanced Research Methodss	MBA Dept.
19.12.2014	Stress Management	MBA Dept.
16.01.2015	Strategies for Pull Factor	ECE Dept.
	Mission 10X Strategy	
20.01.2015	Open Elective EOE-081: Non-Conventional Energy Resources	ME Dept.
16-20.03.2015	ICT based FDP on 3G Mobile Systems	ECE Dept.
20-27.04.2015	FDP on LaTex Typesetting Tool	MCA Dept.

Details of Workshops

Date	Title	Presented By
20.11.10	Workshop on Machine Design	Association with Pearson Club

11-Oct-11	Workshop on Advanced OOPS Concepts	(MCA Deptt)
11.02.12	TGMC one day workshop	IBM Professionals
23.02.12	Workshop on Social Media	Mr. Naveen Kumar Singh (MCA Deptt.)
23.03.12	National Workshop on Advances in Weilding Technology	ME
14.10.12	Workshop oin Embedded System ARM Cortex M 3 (for students)	EEE
7.11.12	Workshops on OOPS	Mr. Sandeep Karan MCA
20.11.12	Faculty Seminar on how internet works	Ms. Renu Garg MCA Dept
07.03.13	Workshop on Career Opportunities in Core industries fro EC students	EC Deptt. (4th yr)
22-23.02.13	Workshop on MAtLab	EC Deptt.
03.05.13	Capability Bulding Workshop, Spoken tutorial Project in collaboration with IIT Bombay	IT Deptt. (4th and 6th semester)
03.06.13	Webinar on Opportunities in VLSI Design	EC Deptt.
24.08.2013	NPTEL Workshop	Dean Academics
26.08.2013	Workshop on oops & .Net Technology	MCA
07.09.2013	Workshop on Embedded system	CSE
14-15.09.2013	Two Days workshop on PHP	MCA
30.09.2013	Workshop on oops & .Net Technology	MCA
26.10.2013	Lab-View Workshop	EEE
18-20.11.2013	Design,Simulation & Analysis of Commercial Vehicle	ME
29.11.2013	Workshop on Android	MCA
29.11.2013	Workshop on Struts & Hibernate	MCA
30.11.2013	workshop on Strategies of Technical Writing	AS.Dept
7-8-9.02.2013	Embedded system workshop	CSE
05.02.2014	SEBI Workshop on Education/Training	MBA
20.02.2014	National Workshop on Renewable Energy & its Applications	ME
11.03.2014	DST Workshop	Dean Academics
11.03.2014	Workshop on "Eclipse - Android"	MCA
26.03.2014	Workshop on "Strategy Formulation"	MBA
03.04.2014	Workshop on "The Presentation Technique"	CE
02-03.06.2014	Workshop on How To carry out a good Summer Training & Convert it into a pre placement offer	MBA
02.08.2014	Demo Workshop on Rasberry Pi embedded system board	CSE
07.08.2014	Workshop on Spring/Hibernate	MCA
29.08.2014	One Day Workshop on Bluemix By IBM	MCA
12.09.2014	Workshop On Advance DOT NET	MCA
19.09.2014	Workshop on Fundamentals of Financial Accounting	MBA
09.10.2014	Workshop on "Portfolio Management"	MBA
11-12-13.10.2014	Workshop on "Digital Transmission Systems"	ECE
30.31.01.11.2014	PCB Design Workshop	ECE

14.11.2014	Financial Statement Analysis: How to use them	MBA
21.02.2015	Workshop on "Intellectual Property Rights"	ECE
30.03.2015	One Day Workshop on Android	MCA
10-11-12.04.2015	Workshop on embedded systems & Project Development for Smart Cities	ECE
17.04.2015	One day workshop on software Version control	MCA
28-29.05.2015	Workshop on How To carry out a good Summer Training & Convert it into a pre placement offer	MBA

b) Faculty Training program organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

❖ *Teaching learning Methods/approaches:*

S. No.	Lecture Delivery Methods / Aids	Details	Remarks
1	Use of Power point presentations (Prepared by Faculty members)	Power point presentation where ever and whenever the curriculum demands. To broaden the horizon of understanding, this is coupled with additional topics beyond syllabus and delivered using Laptop and LCD projection systems.	Found to be very effective and self-explanatory as expressed by students.
2	Use of Smart Classses	This includes lecture delivery through an Audio-visual presentation of Multimedia based licensed software for various subjects procured from reputed vendors , giving a three dimensional Training and understanding of Instruments and technical topics of diverse domains. Use of Model is encouraged and the entire faculty was trained by experts	Found to be very effective in visualizing three dimensional Concepts of difficult subjects.
3	Webinars	Lectures of outside experts are organized through ICT.	Give an opportunity to students to learn and interact with other experts
4	Use of Virtual labs for experimentation	This supplements practical understanding of theoretical concepts in a simulated environment	A Novel way of experimentation on platforms which are

			otherwise inaccessible to students
5	Use of e-resources such as EDUSAT, NPTEL and IEEE	This supplements knowledge through online resources and offer research orientation.	This upgrades the knowledge content of the faculty members and students in general.
6	Orientation and Pedagogy Training Faculty Development Programs	This training provides an insight into the modern teaching processes.	This facilitate make faculty to handle student learning activity.
7	Peer group interaction	Students are encouraged to form small groups for conducting effective survey in subject related matter to learn additional information as Self Learning component.	Collaborative learning helps in better understanding and built a team spirit

❖ *Handling new curriculum*
Our members are active in shaping the new curriculum. We have a panel of experienced and qualified faculty to handle the new curriculum with ease. Many of our faculty members are members of BOARD of STUDIES in the University. They play an active role in designing and shaping the new curriculum.

❖ *Assessment*
The self-assessment report is one of the important tools for the promotion of the faculty. It helps to get an idea of the area of improvements with respect to research and teaching activities. Suggestions to improve the academic system, provided by the faculty through the self-assessment report are also taken into account by the college.

❖ *Cross cutting issues*
The cross cutting issues like Gender, Climate Change, Environment Education, Human Rights, ICT etc, are inevitable part of the system when it comes to applying them positively into the curriculum. The college, at its own level to make arrangements for seminars and conferences of national and state level where in the experts from above mentioned fields are invited to share and deliver their experiences and knowledge. The college regularly organizes state level seminars on women empowerment, female foeticide, self-defence for women, cancer awareness. College has been celebrating 'Van Mahotsava , Environment Day, Swachcha Bharat Abhiyan.

❖ *Audio Visual Aids/multimedia*
The class rooms are well equipped with audio visual aids which facilitate better lecture delivery. At ABESEC, we have built multimedia

Conference hall which possess the art facilities like Projectors, Sound System and Computers etc.

❖ **_OER's_**

College provides the facility of Open Educational Resources which includes full courses, course materials, modules, textbooks, streaming videos, tests, software and any other tools, materials, or techniques used to support access to knowledge for faculty members. We have Digital library for E-learning of both students and teachers. Teachers are advised to develop and share their notes through group emails and other social media. NPTEL organises distant lecture from venerable IIT-professors and expert.

❖ **_Teaching learning material development, selection and use_**

The teachers and students of our institute are given free access to internet. This aid them to collect learning material from the internet, etc. College has a well-developed library which contains thousands of books of various subjects and online access to many E-journals. Along with it, the college organizes seminars and conferences which help as a learning source for the faculty.

c) Percentage of faculty

❖ invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies

❖ participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies

❖ Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies.

External Seminar		
Date	Title	Presented By
01.10.10	Seminar on Carrer in design and Impact of CAD/CAM in Industry	Director, Lelogix Design Solutions Pvt. Ltd.
10.02.12	Seminar on Know your Cup of Tea for M.E.	Er. Vishvendra Goel
21.04.12	Faculty Empowerment Program	TCS
26.04.12	Seminar on Sixth Sense	Mr. Lalit Kumar
27.04.12	Seminar on FDP	TCS
13.02.13	Seminar on PLC SCADA and automation	Sofcon (I) Pvt. Ltd. EEE
16.08.2013	Seminar on "Drupal and its applications"	Mr.Ravi Sagar,Sparxsys Solutions Pvt.ltd.
11.09.2013	Seminar on "How to prepare for IES,GATE &PSU"	Mr.Arun Singh Technical Expert, Made Easy Group

11.09.2013	Seminar on "How to memorise and retain it for Longer Duration"	Mr.Jeetendra Tiwai (National Memory Record Holder Limca Book of Records)
09.09.2013	Seminar on "Switchgear & its Application"	Legrand India (Navateur Electrical & Digital System Pvt.Ltd)
16.09.2013	Seminar on "Mechatronics"	Mr.Rajeev Tiwari (Director, Tevetron Technologies,Sec-63,Noida)
03.10.2013	OCP & JAVA Certification	Mr.Sumit Bajaj
13.11.2014	Challenges in execution of Hydro Projects	Mr.Rishi Kapoor Sr.Manager,NTPC Ltd.

Internal Seminar

Date	Title	Presented By
8.10.10	Seminar on VLSI Testing	Mr. M.M. Anwar ECE)
25.08.11	Seminar on Limit Cycle Parameters & Its Importance	Mr. Deepak Garg (ECE Deptt.)
26.08.11	Seminar on Concepts of Mobile Computing	Mr. Parul Kundra (MCA Deptt.)
10.09.11	Seminar on Circuit Design for VLSI	Mrs. Unnati Mehta ECE
12.09.11	Seminar on Differenet types of Operating System	Mr. Naveen Kumar Singh (MCA Deptt.)
24.09.11	Seminar on Humar Power Generator	Mr. Shailendra Bisariya (Deptt. EC)
24.09.11	Seminar on Application of ANN and implementation in MATLAB	Prof. A.K. Sinha (IT Deptt.)
13.10.11	Seminar on JAVA Technology	Mr. Surendra Kumar Pathak (MCA Deptt.)
18.11.11	Seminar on Application of ANN and implementation in MATLAB	Prof. A.K. Sinha (IT Deptt.)
06.02.12	Mission 10X (Module-01)	Ms. Dipa Nitin Kokane (ECE Deptt.)
06.02.12	Mission 10X (Module-02)	Mrs. Neerja Jindal (ECE Deptt.)
27.02.12	Seminar on Text Extraction from VIDEO	Ms. Waffa Chaudhary (ECE)
17.03.12	Seminar on Optical Networks	Ms. Himani Garg (ECE)
04.04.12	Seminar on Modern Power Semiconductor Devices	Dr. Neerja Jindal (ECE)
23.4.12	Seminar on Minutae Extraction Based off line Fingerpoint Verification System	Ms. Meenkashi Awasthi (ECE)
24.4.12	Seminar on Vision for Universal Education	Mr. Satish Kr. Awasthi (ECE)

27.04.12	Seminar on Smart Antennas for Wireless Communication	Mrs.Samriti Kalia (ECE)
27.04.12	Seminar on Radar & Its applications	Mr. Alok Kr. Singh (ECE)
27.04.12	Seminar on Spread Spectrum	Mrs. Upasana Sharma (ECE)
11.7.12 to 13.7.12	IBM FDP/Training Prog./ Centre of Excellence	Deptt. CS, IT & MCA
11.8.12	Seminar on Higgs-Boson Particle (God's Particle)	Dr. Neerja Jindal (ECE)
11.8.12	Seminar on Application of Soft Computing in Computational Modeling	Dr. A.K. Sinha (IT)
10.09.12	Seminar on Application of ANN and implementation in MATLAB	Prof. A.K. Sinha (IT)
22.09.12	Seminar on functioning of Transport Layer	Dr. Naveen Kr. Singh (MCA)
22.09.12	Seminar on Power allocation in OFDM	Mr. Abhinav Kr. Narela (ECE)
22.09.12	Seminar on Bio-Chips	Ms. Richa Sharma (ECE)
22.09.12	Seminar on Particale Swarm Optmization	Ms. Jyoti Garg (ECE)
22.09.12	Seminar on New Approch to Information Searching & Curating	Mr. Harsh Khatter (CSE)
09.10.12	Seminar on test case Prioritzation in regression testing	Sh. K. P.Jayant (MCA)
19.10.12	Presentation by Porous Alumni Based Thin Film Capacititve Humiditiy	Ms. Geetika Aswani (EEE)
20.11.12	Seminar on how internet works	Ms. Renu Garg (MCA)
24-11-12	Seminar on Rethinking Management Strategies in 21st Century	MBA Deptt.
03.12.12	Presentation by American Society for Quality	MCA Deptt.
19-11-12	Seminar on How Internet Works	Ms. Renu Garg (MCA)
12.02.13	Lecture on Identification of Perosnality, Trait using Fuzzy Infarence Sysytems	Mr. Amit Sinha (IT)
24.04.13	Seminar On Mega Mind 13	R & D Club of ABES Kanchan Singh (IT)
30.04.13	Seminar on Line Drawing Algorithm	Mr. Rajesh Maurya (MCA)
30.04.13	Seminar on Java Servlet	Mr. Tarun Kumar Sharma (MCA)

30.04.13	Seminar on Remote Methods Invocation	Mr. Vinod Kumar (MCA)
10.08.2013	Seminar on CHBT Technology for HF Application	Mr.Pradeep Kuamr (ECE)
10.08.2013	Seminar on 450nm Wafer: Economical & Technical Challenges	Ms.Pallavi Tyagi (ECE)
10.08.2013	Seminar on Fuzzy Implementation on MATLAB using Fuzzy Tool Box	Ms.Shilpa Gupta (ECE)
27.08.2013	Seminar on Mobile Adhoc Network using NS2: Simulation o Routing Protocols in MANET	Mr.Pankaj Sharma (IT)
06.09.2013	Seminar on Lab View	Dr.Neerja Jindal (ECE)
12.09.2013	Introduction to metal forming	Mr.N.S.Dash Director,Bosch Rexroth centre of Excellence
14.09.2013	Seminar on Denoising of Speech Signal Using Wavelet transform by modified universal threshold	Mr.Rajeev Agarwal (ECE)
	Seminar on "Speech Recognition using DTW algorithm"	Ms.Aarti Aggarwal (ECE)
	Seminar on "Performance of Nakagami-m fading channel	Mr.Mudit Saxena (ECE)
	Seminar on "Leakage current minimization technique in cmos"	Ms.Mega Aggarwal (ECE)
14.09.2013	EMD Locomotive Project	Mr.Pradeep Sharma (ECE)
	Power Electronics based	Mr.Madhur Chauhan (ECE)
14.09.2013	Optimization of Robot trajectory using G A	Ms.Gaganpreet Kaur
	Holistic deelopment & Role of education	Mr.Praveen Gautam
	Concept of Six Sigma	Mr.R.S.Raman (ME)
	Condition Monitoring & Signature Analysis	Mr. Ish Kakkar
24.09.2013	Seminar on GSM Architecture	Mr.Parul Kundra (MCA)
24.09.2013	Seminar on An approach to secure unix Network	Dr.Devendra Kumar (MCA)
25.09.2013	Research Methodsology and Technical Writing	Mr.Vikas Tyagi (MCA)

26.09.2013	Capacitive Humidity Sensor	Ms.Geetika Aswani (EEE)
	DVR (Dynamic Voltage Restorer)	Ms.Rashmi Dubey (EEE)
28.09.2013	Ion Conducting Polymer Electrolytes	Dr.Kuldeep Mishra
	All-Solid-state Porton Batteries	
	E-Waste Materials	Dr.Shewta Sharma
	Rectangular Plates	Dr.Prag Singhal
	Global Warming	Dr.Vivek Sharma / Dr.Sunita Goyal
28.09.2013	Approach to Accurate circle Detection	Mr.Virendra Yadav (CSE)
	GPU Based Pattern Classification	Mr.D.S.Bharangar
28.09.2013	Software Testing	Dr.K.p.Jayant (MCA)
	Video Encrypting Algorithm	Ms.Saumya Batham (MCA)
	Research Methodsology and Technical Writing (Part-II)	Mr.Vikas Tyagi (MCA)
23.10.2013	IUCEE Webinar"How I Teach a Cloud Computing Course Using Cloud Computing"	ECE Dept.
26.10.2013	Contemporary Financial Concepts	Ms.Taru Maheswari (MBA)
	Devalutation of Rupee- with reference to currect economic crisis in India	Mr.anubhav Srivastava (MBA)
10.12.2013	Mr.Manish Mangal	Introduction to CFD and Turbulence Modeling in CFD
	Mr.Neeraj Kumar Sharma	Importance of UCM
	Ms. Lucky Agarwal	Aluminum alloys
13.12.2013	Z-Source Invertor	Ms.Pooja Rani
14.12.2013	Dual Axis Solar Tracker	Ms.Rahmi Tayal
	L.T.Switch Gear	Mr.Tariq Nafees Khan
20.12.2013	Seminar on Simulation and Modeling	Prof.A.k.Sinha (IT)
17.02.2014	TCAD Simulation, Small Signal & Noise Modelling of Si based Bandgap Engineered Semiconductor Device for Near THz Applications	Mr.Pradeep kumar (ECE)

22.03.2014	Fuel Cell	Mr.Praveen Gautam
	Bio Diesel	Prof.J S Behal
12.04.2014	Bio materials	Mr. Yadvendra Mishra
	Drag reduction of Square Cylinder with an Upstream Rod and its Computational Analysis	Mr.Manish Mangal
30.04.2014	Parallel Computing and its applications	Mr.Sanjeev Kumar(IT)
01.05.2014	Introduction to Scilab	Mr.Pankaj Kr.Sharma (IT)
05.05.2014	Dianetics	Prof. R.Radha Krishnan (CSE)
06.05.2014	Fuzzy Clustering Algorithms and Weighted Entropy Mean Clustering Algorithms	Mr.Rohit Rastogi (CSE)
	Web Information Retrieval using soft Computing Techniques	Mr.Harsh Khatter (CSE)
07.05.2014	Fractal and its applications	Dr.Munesh Trivedi (CSE)
	comparative analysis of Random Early Detection(RED) and Virtual Output Queue (VOQ) algorithms in differentiated Services Network	Mr.Shyam Singh Rajput (CSE)
09.05.2014	Natural Language Processing Using Python Language	Mr.Amit Sinha (IT)
13.05.2014	Bio metric Security	Ms.Priyanka Jain(MCA)
	Hiding Large amount of data using new approach of Stagenography	Ms.Saumya Batham (MCA)
15.05.2014	An Algorithm for face recognition using neural network for facial parameters	Ms.Kanchan Singh (IT)
	Socio Economy development of a region using GIS	Mr.Manish Srivastava (IT)
16.07.2014	Education Through cloud computing	Dr.K.p.Jayant (MCA)
	Adhoc Networks	Dr.Naveen Kr.Singh (MCA)
	Security on Cloud	Dr.Arjun Kr. Singh (MCA)
17.7.2014	Performance Enhancement of Teaching learning process through multimedia	Mr.S.K.Pathak(MCA)

19.07.2014	Mobile Security in Cloud Computing	Ms.Kitty Ahuja (MCA)
	Hiding Large amount of data using new approach of Stagenography	Ms.Saumya Batham (MCA)
26.07.2014	Ceramic Engines	Mr.Sanjay Kumar (ME)
28.07.2014	Introduction & Applications of F E A	Prof.Sandeep Garg (ME)
02.08.2014	Geotechnical Aspects of Civil Engineering	Prof.M.L.Sadana (CE)
	Prefabricted units in construction	Prof.s.K.Ghose (CE)
	Safety Climate & Safety Culture in Construction	Mr.Amit Bajaj (CE)
09.08.2014	Introduction to FEA	Prof.Sandeep Garg (ME)
23.08.2014	Removal of Residual Surfactant	Mr. Sandeep Kr.Tripathi (CE)
30.08.2014	Memristor	Mr.Mangal Das (ECE)
06.09.2014	Fractal image Compression	Dr.Munesh Trivedi (CSE)
13.09.2014	Comparison and Transition CPW and SIW FED Antenna Millimeter Wave Applications	Ms.Rakhi Kumari (ECE)
27.09.2014	Polarization Analysis of HEMT	Mr.Dheeraj Singh (ECE)
10.10.2014	High Performance Fibrous Concrete Structural Systems	Mr.Rajesh Kumar Sharma (CE)
20.10.2014	Challenges in integration of WECS to the existing grid system	Mr.Rahul Virmani (EEE)
01.11.2014	Free Space Optics (Optica Wireless Communication)	Mr.Mudit Saxena (ECE)
26.11.2014	Open CV	Ms.Vandana Gupta(CSE)
09.12.2014	Meta Material for Antenna Design	Mr.Abhay Goyal (ECE)
10.12.2014	Gain Enhancement of Equitriangular Microstrip Patch Antenna	Mr.Rakesh Kumar (EEE)
12.12.2014	Noise parameter Characterization & Noise Modeling of Heterojunction semiconductor Devices	Mr.Pradeep kumar (ECE)

13.12.2014	Stress analysis using ANSYS	Mr.Mayank Kushwaha (ME)
31.01.2015	Maximum Power Point Tracker using Fuzzy logic Technology	Ms.Swapnil Agarwal (EEE)
07.02.2015	Stability of Slope	Prof.(Dr.)M.L.Sadana (CE)
26.02.2015	Pressure Vessel Design and ASME Code	Prof.Bimal Roy (ME)
	Modelling and Simulation	Mr.Pradeep Sharma (ME)
03.03.2015	Android	Mr.Tarun Kr.Sharma (MCA)
04.03.2015	Human Values and Personal Ethics	Ms.Sanjana Saxena (ME)

National Conference		
Date	Title	Presented By
24.02.12 & 25.02.12	National Conference on Cloud Computing	CS/IT/MCA
8-9.2.2013	National Conference on Wireless Communication	ECE
24-25.01.2014	National conference on Wireless Communication & Emerging Trends	ECE
04-05.04.2014	National Conference on "Computer Intelligence and Robotics"	CSE
28-29.11.2014	National Conference on "Dawn Of Foreign Technologies in India" as SAVOIR MANTRANA	ACM Student Chapter
13-14.02.2014	IEEE International Conference on Computational Intelligence & Communication Technology	CSE
13-14.03.2014	National Conference on Broadband and Optical Fiber Technologies (NCBOFT)	ECE

ABESEC Industrial Visits 2013-14			
Date	Deptt.	Place	Event coordiantor
24.08.2013	CSE	Network Bull, Gurgaon	Mr. Prabhat Singh
26.09.2013	Civil	CRRI, Delhi	Mr. Yogesh Sharma, Mr. Saurabh Chaurasia
01.10.2013 03.10.2013	MBA	ECE Factory, Meerut Road	Ms. Sadhna Gaur Ms. Sonam Gulati
03.10.2013 04.10.2013 05.10.2013	MBA	Parle Food Products Haryana	Mr. Anubhav Srivastava Ms. Amreen Thind
24.102013 25.10.2013	ME	WPIL Lmtd. Meerut Road, Ghaziabad	Mr. R S Raman Mr. Sanjay Kumar Mr. Anoop Pandey Mr. Himanshu Minotra

20.11.2013	MCA	National Center for Medium Range Weather	Dr. Naveen Singh Dr. K. P.Jayant
28.01.2014	MBA	Yakult Danone Pvt. Ltd.Sonipat (Harayana)	Mr. Ajay Singh Ms. Sadhna Gaur
20.02.2014	MBA	ITC Ltd. Meerut Road	Dr. Stuti Mishra Dr. Shobhika Tyagi
03.03.2014	MBA	Mother Dairy, Patparganj, New Delhi	
11.02.2014	ECE	Center for e-Governance CGO Complex, New Delhi	Ms. Romya Bhatnagar Mr. Lalit Kumar
21.02.2014 21.03.2014	MCA	Center for e-Governance CGO Complex, New Delhi	Dr. Naveen Singh Dr. Arjun Kr. Singh
11.03.2014	MBA	Bisleri Ltd. Site-IV Sahibabad	Respective Class Coordinator
14.03.2014	MBA	Coca-Cola Ltd., Dasna, Ghaziabad	Respective Class Coordinator
04.03.2014	ME	National Science Centre, Pragati Maidan, New Delhi	Mr. Sanjay Kumar Mr. Manbendra Saha
25.03.2014	MBA	Bisleri Ltd. Site IV (Link Road) Sahibabad	Ms. Sonam Gulati Ms. Amreen Thind
31.03.2014	Civil	Center for e-Governance CGO Complex, New Delhi	Mr. Rajesh Sharma Mr. Amit Bajaj Mr. Uzair Khan
06.05.2014	ME	Center for Civil Aviation Training, New Delhi	Mr. N.P. Singh Mr. Manish Mangal Mr. K K Karothiya Mr. Chetan Rajoria
10.05.2014	ME	Center for e-Governance CGO Complex, New Delhi	Ms. Gaganpreet Kaur Mr. Manish Saraswat Mr. Anoop Pandey
23.08.2014	ME	National Science Centre, Pragati Maidan, New Delhi	Mr.Manish Mangal Mr.Mayank Kushwaha Mr.Dinesh Pathariya
28.08.2014	MBA	Yakult Danone Pvt. Ltd.Sonipat (Harayana)	Ms.Parul Agarwal Ms.Amreen Thind
26.08.2014	ME	Carbon Continental India Ltd	Mr.Ashish Sharma Mr.Mayank Kushwaha
06.09.2014	ME	Metal,Machinery,Technology & Engineering Industries Carnival at Pragati Maidan,New Delhi	Mr.Anoop Pandey
12.09.2014	ME	Das Hitachi Pvt.Ltd.,Mohan Nagar	Mr.Anoop Pandey
14.10.2014	MCA	National Center for Medium Range Weather	Dr. Naveen Singh Dr. K. P.Jayant

28.10.2014	MBA	Bisleri Ltd. Site-IV Sahibabad	Ms.Parul Agarwal Ms.Amreen Thind
06.11.2014	CE	Ambuja Cements Ltd.,Gurgaon	
23.01.2015	MBA	Mother Dairy Fruits & Vegetables Pvt.Ltd, Patparganj,delhi	Ms.Parul Agarwal Ms.Amreen Thind
11.02.2015	ME	Das Hitachi Pvt.Ltd.,Mohan Nagar	Mr.Pradeep Sharma Mr.Manish Mangal
28.02.2015	ME	India Expo Centre & Mart,Greater noida	Mr.Ashish Sharma Mr.Mayank Kushwaha
10.03.2015	ME	USK Exports Pvt.Ltd,Ghaziabad	Mr.Neeraj Sharma Mr.Saurabh

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized program industrial engagement etc.)

ABES-EC extends full support for the professional development of the faculty members in the form of various policies, grants, ceremonies, etc.

- Encouraging to attend general orientation courses, refresher courses, training program and workshops organized by the reputed institutions/universities

- Organizing national /international seminars/guest lectures/ workshops/ conferences on crucial issues

- Granting leave for attending state/national seminars/workshops/FDPs etc

- Deputing faculty under QIP to do full time PhD.

- Encouraging faculty members to apply for research grants.

- Faculty members are encouraged to do part time PhD in our R&D research centre.

- Involving faculty members in various industry related projects as guides or mentors of students.

- Giving weightage to various research and academic publications in the appraisal process.

- Distributing performance based annual awards.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Level	Year	Number of Faculty Members	Grant
Institutional	2014	155	922,500/-

	2013	60	521,000/-
	2012	60	545000/-
	2011	69	387500/-
State	2014	Nil	Nil
	2013	Nil	Nil
	2012	Nil	Nil
	2011	1	Nil
National	2014	2	Nil
	2013	1	Nil
	2013	Nil	Nil
	2011	Nil	Nil
International	2014	1	Nil
	2013	Nil	Nil
	2012	Nil	Nil
	2011	Nil	Nil

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Yes, the institution has introduced a feedback system for the faculty member which is done by the students every semester.

- The feedback from students is obtained by issuing printed / online questionnaires relating to all subjects.
- Students evaluate their respective teachers on the basis of their teaching style, methodology or pedagogic skills, use of audio-visual aids, subject knowledge and their interaction level.
- The feedback system helps to identify the strengths and weaknesses of the faculty members.
- Based on assessment of performance, HOD gives necessary directions for the
- Improvement in the teaching Methods.
- The faculty with good feedback is well appreciated through various awards and appraisal schemes.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

In order to ensure that the stakeholders of the institute are aware of the evaluation process, following measures are taken:
- An orientation program of two days is conducted for the newly admitted students. During this program, detail briefing is done regarding university rules/ regulations including evaluation process.
- Before the commencement of each semester, the evaluation scheme for each semester is checked by an evaluation committee in terms of the internal and external exam weightage. This is further crosschecked by the corresponding faculty teaching that subject.
- In this regard a meeting is conducted fortnightly by HODs of every department. During these the evaluation processes are explained to each faculty member.
- Students are made aware of these processes through printed syllabi copies.
- All these details are also available on the University portal.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

At university level, major evaluation reform may be:
- Admission strictly as per the university eligibility criteria after passing through the UPSEE entrance and enrollment after strict verification of documentation.
- Strictness on attendance i.e. 100% and in very genuine conditions 75%.
- Conduct of sessional test (minimum 02).
- Timely announcement of tentative date sheet of end semester examination on UPTU website, seeking any suggestions/ observation by affiliated colleges.
- Selection of one question paper from multiple set of question paper.
- Assurance of conduct of examination (both theory and practical) strictly as per schedule.
- Follow up the establishment of nodal centre. Flying squad/ centre controller and centre superintend.
- Follow up of centralized evaluation of answer sheet.
- Timely declaration of result using ICT technology.

At Institution level, major evaluation reforms are:
- Adherence to the admission policy of the university.
- Strict monitoring of attendance status of each and every student through class coordinators and display of the same fortnightly during the entire semester. Maintenance of on- line attendance monitoring system using ERP software.
- Conduct of sessional test after completion of 40%, 80% and 100% syllabus respectively. Additionally, objective type quizzes and weekly test as per the demand of the subject.
- Conduct of improvement/ Re-test for poor performer after attending remedial classes.
- Regular conduct of viva- voice for experiment carried out.
- Timely suggestions are sent to university to update date sheet, if any.
- Drafting and submission of UPTU question papers by expert faculty member.
- Maintenance of internal marks on online marks monitoring system through ERP software.

- Quality evaluation of university answer-scripts by the faculty members with the minimum experience of 5 years.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- Institution ensures that the examination process strictly adheres to the norms & principles laid by the University.
- University appoints Nodal Center-in-charges, Center Superintendent, Flying Squads for the smooth conduct of the exam process.
- For smooth operations the whole examination procedure is cross verified and audited by one another. This ensures smooth operations.
- Fair marking and evaluation is done purely by coding the roll nos. of the students.
- HOD meetings are conducted by the Director regarding preparation and implementation of examination rules. The suggestions on various aspects of examination are put forward by HODs, based upon the previous examinations. This enables further improvement in the subsequent examination and evaluation.
- Conducting a general meeting of all faculty members by the Director/Examination Superintendent before end semester examination regarding the smooth conduct/implementation of examination rules, where every faculty member is encouraged to give their suggestion on various aspects of examination based upon inputs of previous examinations.
- Internal assessment is awarded to the students as per the university criteria. Class tests and sessional tests are conducted to evaluate the performance of students. Student centric learning through assignments, projects, seminars and practical sessions is also adopted by the institution.
- Other than verbal interactions, the students are evaluated through group discussions, seminars and sometimes blackboard tests are also held for some interesting and short topics.

2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

The Institute follows semester system of teaching learning and continuous evaluation system is adopted to measure a student achievement in a holistic manner.

- ❖ *Formative Assessment:*
  Formative assessment is to monitor student learning, to provide Feedback regarding the ongoing lectures that can be used by instructors to improve their teaching and simultaneously by students to improve their learning. Formative Assessment of the students is done on the following parameters:
  1. Assignments
  2. Presentations
  3. Industrial visits
  4. Quizzes
  5. Class interactions
  6. Group discussions/ Viva-voce
  7. Workshops/ Seminars
  8. Projects
  9. Written and practical tests
  10. Participation / contribution in co-curricular and extra-curricular activities

11. Overall attendance and conduct during the session.

❖ *Summative Assessment:*

1. The summative assessment is to evaluate learning developed by a student towards the end of semester.
2. Summative Assessment takes place at the end of the academic session which is conducted by the college in the form of a Pre-University test at the end of the semester. This process helps the students to gain confidence and to achieve good results.

This is how the institution uses the formative and summative evaluation approach to measure the student's performance. Finally, the university conducts a summative evaluation (End semester examination) at the end of each semester through the following.
1. Written Exams
2. Practical Exams
3. Comprehensive Viva voce
4. Project work

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

Improvements in Internal Assessment:
Quality of assignments / tutorial sheets, quizzes, and sessional/weekly class tests are improved regularly. Various subject experts are assigned to execute the task. Their solution sheets are also provided well in time.
The learning capabilities of the students have been gradually increased in bits & piece by these practices. In nutshell, the students are fully utilised their time in academics i.e. for study/ learning and perform in continuous learning & self-evaluation system.

Transparency in Internal Assessment:
After evaluation of the assignments/quizzes/ tests/projects/etc. the outcome are discussed in the class on individual basis, results/solutions are put on the notice boards, students are individually counselled, continuous feedback are taken from the students for better assessment.

Improvements in solution of question papers:
There has been betterment in the quality of question papers and their answers considering all possible relevant solution to a problem.

Weightage in Internal Assessment:
While evaluating students for internal assessment, due weight age is given for their written & vocal communications skills considering theoretical and practical knowledge respectively, The General Proficiency marks (as per University rules/evaluation scheme) are also awarded on the basis of behavioural attributes, discipline and participation in extra/co-curricular activities.

2.5.6 What are the graduate attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

Following are the graduate attributes specified by college / affiliating university:
- Engineering Knowledge: The ability to find solutions of the complex engineering problems.
- Problem Analysis: the ability to identify and analyze complex engineering problems.
- Design and Development of Solution: Design solutions for complex engineering problems and design system components that meet specified needs with appropriate consideration of important factors.
- Conduct investigation of complex problems: Using research based knowledge and research Methods including the design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
- Modern Tool Usage: The ability to create, select and apply modern tools in various engineering activities and understanding its limitations.
- Social responsibilities: To assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
- Ethics: Application and commitment of professional ethics, responsibilities and norms of engineering practices.
- Team Work: The ability to work in parallel and effectively with a team
- Communication: Communicate effectively so as to represent the ideas to the utmost.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

Following mechanisms are followed for redressal of grievances with reference to evaluation, both at college as well as University level:
At the college level:
- The subject teachers are responsible for the evaluation of answer sheets of their respective subjects.
- The evaluated answer sheets are shown in the classrooms.
- Doubt clearing sessions are also helpful.
- The student approaches the teacher in case of any doubt regarding the marking system.
- Discrepancies, if any, are treated with seriousness and adequately addressed by the HOD.

At University level:
- The university has its own mechanism for the redressal of grievances.
- Within a stipulated time of announcement of results, students can apply for re-evaluation and re-checking by filling a form in the Registrar's office in their respective institution.
- University also allows Challenge Evaluation for certain answer sheets by University nominated second examiner.

2.6 Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

Yes, ABESEC has clearly stated learning outcomes which are evaluated in the form of PEOs (Program Education Outcomes), POs (Program Outcomes) and COs (Course Outcomes) as per the guidelines provided by affiliating universities. Accordingly, the learning outcomes of various program are defined clearly and executed as far as possible.

Presentations, briefings, discussions etc. also play a vital role in helping in the implementation of new concepts for the betterment of entire teaching learning process. The students are made aware of the learning outcomes through following ways:

- The learning outcomes are well explained in the introductory class of every subject by the respective faculty.
- During the semester, students are required to fill a feedback form regarding matching of outcomes.
- In case of any discrepancy, HOD addresses the faculty and resolves the issue.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/program? Provide an analysis of the students results/achievements (Program/course wise for last four years) and explain the differences if any and patterns of achievement across the program/courses offered.

Institution conducts a number of monitoring tests as weekly test, sessional exams followed by the evaluation and further communication. Further details are:

- Attendance is closely monitored by the class counselor.

- Report on attendance is sent to the parents on the regular basis. They are duly informed about their wards regularity.

- Attendance report is sent to the head of institution (Director) after evaluating in a fair and open manner.

- Weekly tests are conducted for every semester. Minimum two sessional exam and one Pre- University Exams.

- After evaluation teachers discuss the paper and display the marks.

- The progress of the students is conveyed to the parents through letters, emails, sms and telephone.

- The evaluation of a student is based on continuous assessment.

					RESULT AT A GLANCE			
S.No.	Year	Branch	No. of Students Appeared	Passed	I Class with Distinction	I Class	II Class	% of Pass
1	2014-15	CE						
2		CSE						
3		ECE		RESULT YET TO BE DECLARED				
4		EN						
5		IT						
6		ME						
7	2013-14	CE			NOT APPLICABLE			
8		CSE	135	131	28	121	10	97.04
9		ECE	133	129	36	125	4	96.99
10		EN	121	116	14	108	8	95.87
11		IT	55	52	11	49	3	94.55
12		ME	98	92	10	90	2	93.88
13		MBA	173	155	5	106	44	89.59
14		MCA	59	58	24	34	0	98.30
15	2012-13	CE			NOT APPLICABLE			
16		CSE	138	123	28	117	6	89.13
17		ECE	140	130	26	126	4	92.86
18		EN	124	113	11	107	6	91.13
19		IT	54	48	9	46	2	88.89
20		ME	97	89	6	88	1	91.75
21		MBA	119	117	5	89	23	98.31
22		MCA	60	58	60	51	0	96.66
23	2011-12	CE			NOT APPLICABLE			
24		CSE	138	134	39	129	5	97.10
25		ECE	142	138	24	134	4	97.18
26		EN	64	61	7	57	4	95.31
27		IT	61	59	14	57	2	96.72
28		ME	72	65	11	64	1	90.28
29		MBA	60	57	0	56	1	95.00
30		MCA	57	57	9	48	0	100.00

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

Learning outcome is directly proportionate to the teaching, learning and assessment strategies of the institution, some of the points are discussed below-

Teaching Strategies
Other than following the lesson plan teachers\faculties also attend and organize Faculty Development Programs. Each faculty member prepares the course files which includes of institution's vision, mission, policy, lesson plan, syllabus, university academic calendar, college academic calendar, assignments, previous year question papers, question bank, format of score sheets, format for weak students. Open

discussion in weekly departmental meeting about new strategies and teaching Methods enhances and add value in the teaching Methods.

Learning Strategies

Through several tests and evaluations segregation list of weak and advance learners has been made. There are different sort of classes and programs are planned to cater their needs and learning requirements. Students are divided into groups under the guidance and monitoring of student mentor. Special remedial classes are planned for weak students. For advance learners, college provides every possible aid to nurture their skills like SPARK and COE. Other than this there are one to one counseling classes by class counselor, HODs, and senior authorities if required, for every student keeping in view their specific needs.

Assessment Strategies

Assessments are on the basis of number of assessment tests. Students are duly graded according to their writing and presenting abilities. Students perform in weekly class test, ST-1, ST-2 and PUT. In order to enhance their skills they have flexible timing for library and labs. Besides the class room lectures and labs they get to attend the guest lectures, workshops, seminars and conferences.

Academics and presentation skills go hand in hand. In this regard, students are provided with the SEEP sessions, in which they learn about better presentation strategies. Humanities department works on their better vocabulary and other skill. Activities like GD, debates, extempore, impromptu, theme presentation, creative writing, CV development, interview skills, voice modulation etc., contributes to the overall personality development with academics. In the above given programs students are duly evaluated and then worked upon their improvement required areas with the help of extra classes and workshops.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

Following are the measures / initiatives taken up by the institution to enhance the social and economic relevance:

- *Student Placements:*
  1. Center for Career Placement and Development (CCPD) cell is responsible for conduction a special program, known as SEEP (Student Employability Enhancement Program) which focuses on the language, aptitude, soft skills and other aspects which are vital for the placement of the students.
  2. Peer to peer coaching is also encouraged.
  3. All the students are rigorously involved in various sessions and competitions of aptitudes, GD, PI, Mock Interviews, soft skills etc.
  4. The dedicated team of CCPD is instrumental in bringing renowned companies for campus placements.

- *Entrepreneurship:*
  1. The college has a dedicated Entrepreneurship Cell, founded in 2009. The mandate of the cell include activities tom promote entrepreneurship among students and faculty members.
  2. The institute has also signed a MoU with National Entrepreneurship

Network (NEN) to leverage their vast cache of resources.
3. The institute hosts Ministry of Small and Medium Eenterprises (MSME) recognized and funded by Technology Business Incubator (TBI).

- *Innovation:*

  1. Spark: It is the initiative, one of its kinds by ABESEC to promote innovations faculty and students. All kind of trainings, guidance, infrastructural and financial aids are provided to the.
  2. Center of Excellence (COE): In order to bridge the gap between industry and academia, ABESEC has signed MoU with various renowned companies like SAP, Microsoft, TCS, National Instruments, IBM, Rockwell Automation etc.
  3. A separate applied research cell has been constituted which aims at promoting and giving a shape to practical and technical know-how of the students.

2.6.5 How does the institution collect and analyse data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

The institute adopts the following strategies to collect and analyze data on student performance:
- After each internal and external examination, the result committee of each department collects and analyzes the data of each student regarding his / her academic performance.

Once, the University result is declared, the consolidated result is compared with that of previous semester and hence this comparison is very pivotal for planning future strategies and corrective measures. A result of this, academically needy students are planned more attention and extra academic hours are dedicated for their betterment.
- Feedback is regularly sought (face to face as well as online) by Departmental HOD and a committee is constituted in the department. This helps in enriching teaching learning process.
- Weekly class tests, internal assessment exams, pre-university exams, quiz and assignments are regularly conducted to monitor and ensure the learning outcomes.
- Projects, practical sessions and presentation sessions are conducted so as to evaluate the quality of learning and strengthening it.
- There are designated class co-ordinators for each section who are in constant touch with the students and also at the same time monitors the overall performance of the student.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

The institution monitors and ensures the achievement of learning outcomes through:
- Class coordinator and subject faculty plays an important role in overall achievement of outcome by the student through continuous assessment through the modular form of the syllabus.
- The second level of monitoring is at HOD level through the review of stated outcomes of the program and giving the feedback to the concerned faculty for

better academic results. Further it is conveyed to the students through motivational briefing/ talks.

- The Academic Council of HODs, Deans headed by Director strictly evaluates the outcomes of courses and confirms that they do not deviate from overall stated program outcomes of various programs.
- Other, stakeholder like alumni, employers also provides feedback to the institute level committee to analyze the learning outcomes of each program and in turn help in improving the quality of the education.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes, the institution uses assessment and evaluation both as an indicator for evaluating students' performance.

- Evaluation includes: marks in internal sessional tests, assignments and attendance.
- The students who excel in the academics, sports or extracurricular activities are given due advantage in General Proficiency.
- Student's performances in SEEP classes are also taken into consideration for assessing the performance.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

The institution does not have recognized research Centre(s) of affiliating University (Uttar Pradesh Technical University, Lucknow). Previously, the college was affiliated to MTU which recognized the college as research Centre.

Apart from this college collaborates with reputed educational institute and industries for setting up following centers in the Campus:

S. No	Research Centre	Year of establishment	Sanction letter No
1	Texas Instruments COE	2014	MOU dated 20.11.14

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes. The College has a Research Committee to promote Research Activities which encourages faculty members to publish papers in reputed journals and to submit proposals. It has been constituted to facilitate and monitor research projects and their related activities.

Impact of the Recommendations of Research Committee:-
- Recognition of the Institution as Research Center by the affiliating university
- Faculty publications have increased in the last 2 years
- Submission of project proposals under various schemes of government funding agencies have grown.
- Improved interaction between different departments for interdisciplinary research.
- Interaction with eminent persons/Professors through international conferences and other academic activities.
- Encourage faculty members to participate in workshops, seminars and conferences organized in the reputed institutions.
- Encourage to organize seminars/FDPs/Lectures by the College in the topics of latest technological advances.
- Encourages and ensures enrolment and registration of our faculty members for perusing Ph.D.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

Autonomy to the principal investigator : As a matter of policy, the Principal investigators who receive projects from various organizations like AICTE, MSME etc., are given full independence in executing the project as per the guidelines of the funding agencies and also additional resources are provided , if required.

Timely availability or release of resources: Institute provides all facilities and maintains timely release of project funds as and when requested by the Principal Investigator for successful completion of the project in time.

Adequate infrastructure and human resources: The departments have established adequate lab facilities with necessary equipment, software and computing facilities to carryout research projects. The workload of the faculty will be adjusted to meet any such demand that requires his presence in a project. Central library facilities are enhanced updating with online national and international journals, digital library, hand books, reference books and material related to research activity.

Time-off, reduced teaching load, special leave etc. to teachers :Facilities will be provided for faculty if they are going to work on major research projects by reduced teaching work load and special leaves for attending workshops/seminars relevant to their research projects and associated works.

Support in terms of technology and information needs: The institute/department encourages the students and faculty to utilize the laboratories, library, computer centre and software for carrying out their research projects and also provides facility for obtaining the necessary information and technology from external sources. The College also provides seed money to buy necessary equipment for experimental projects, subscribes to research journals to strengthen the library with latest journals, reference books and text books. The college has several tie ups with renowned institutions like IIT Delhi to further strengthen the research work.

Facilitate timely auditing and submission of utilization certificate to the funding authorities: After completion of project by the principal investigator, the College arranges for auditing; assists in obtaining the utilization certificate for submission to the respective funding authority, well within the stipulated time period.

3.1.4 **What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?**
- The college has initiated a program called SPARK to develop the research aptitude and scientific temper among students.
- Students are encouraged to participate in competitive projects like Robocon and Electrama.
- The College regularly conducts training programs, seminars, guest lectures and technical symposia etc., for the benefit of both students and faculty members.
- International and national conferences on topics of global significance are organized to provide world-wide exposure in research areas to create curiosity among the faculty.
- Interaction with resource persons, luminaries, professors from national/international institutions to enhance their knowledge levels for carrying out the research.
- To understand the present trend and to develop scientific temper and aptitude, the institution organizes industrial visits, in plant training, internship for the students of all departments to interact with the industry. Moreover, the College updates its laboratories with latest equipment to create the zeal among students and encourages them to take up research as career.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

With the encouragement and motivational incentives provided by the College, a good number of faculty obtained their doctoral degrees and many have registered for Ph.D. Many of the faculty members are actively involved in research work and good numbers of papers are being published in national and international journals. Innovation and research activities are encouraged in the college and all necessary help is extended for this work.

Sr. No	Name	Department	Research Activity	Specialization areas
1.	Prof R. Radhakrishnan	CSE	Computer Network	Computer Networks(Wired, Wireless Mobile), Distributed System, Network Security, Cryptography, Cyber Law
2	Prof Subhash Punhani	CSE	Digital Logic and Design, Artificial Intelligence	Digital Logic and Design, Microprocessor, Computer Organization
3	Dr Munesh C Trivedi	CSE	Digital Image Processing	Digital Image Processing, Artificial Intelligence, Pattern Recognition, Soft Computing, Discrete Mathematics, Computer Graphics, Network Security
4	Prof. Hariom Upadhaya	CSE	Digital Image Processing	Image processing, Data base, java
5	Amit Agarwal	CSE	Computer Graphics	Digital Image Processing, Artificial Intelligence, Pattern Recognition, Soft Computing, Discrete Mathematics, Computer Graphics
6	Sunita Tiwari	CSE	Machine Learning	Digital Image Processing, Artificial Intelligence, Pattern Recognition, Soft Computing, Discrete Mathematics,
7	Pratibha Singh	CSE	Data Analytics	A.I, Machine Learning, Pattern Recognition
8	Amrita Jyoti	CSE	Software Engineering, Data Compression	Software Engineering, Software Project Management
9	Nikita Joshi	CSE	Computer Graphics. Operating System, Mobile Computing	Digital Image Processing, Artificial Intelligence, Pattern Recognition, Soft Computing, Discrete Mathematics, Computer Graphics
10	Shweta Srivastava	CSE	Data Structures , Object Oriented Techniques	Data Structures, C, Design and Analysis Of Algorithm, Automata , Compiler Design
11	Sunil Kumar	CSE	Computer Networks , Distributed System	Computer Networks(Wired, Wireless, Mobile), Distributed System, Network Security, Cryptography, Cyber Law
12	Madhvi Gaur	CSE	Data Structures, OOPS with C++	Data Structures, C, Design and Analysis Of Algorithm, Automata , Compiler Design
13	Vandana Gupta	CSE	Graph Theory, Software Project Management	Digital Image Processing, Artificial Intelligence, Pattern Recognition, Soft Computing, Discrete Mathematics, Computer Graphics
14	Sonam Arora	CSE	Object Oriented Technologies	Object Oriented Technologies, Web Technology
15	Abhishek Kumar Gaur	CSE	Design and Analysis Of algorithms, Automata	Data Structures, C, Design and Analysis Of Algorithm, Automata, Compiler Design
16	Ravi Kumar	CSE	Design and Analysis Of algorithms, Automata, Mobile Computing	Data Structures, C, Design and Analysis Of Algorithm, Automata, Compiler Design
17	Rashmi Mishra	CSE	Cryptography , ISCL (Cyber Law), Graph Theory	Computer Networks(Wired, Wireless, Mobile),Distributed System, Network Security, Cryptography, Cyber Law
18	Harsh Khatter	CSE	Computer Organization , Digital Image Processing	Digital Logic and Design, Microprocessor, Computer Organization
19	Prabhat Singh	CSE	Data Structures, C, Design and Analysis Of	Design and Analysis Of algorithms, Automata , Soft Computing

			Algorithm, Automata, Compiler Design	
20	Santosh Kumar Paul	CSE	Graph Theory	Data Structures, C, Design and Analysis Of Algorithm, Automata, Compiler Design
21	Pooja Saharan	CSE	Compiler Design , Discrete Mathematics	Data Structures, C, Design and Analysis Of Algorithm, Automata , Compiler Design
22	Shyam Singh Rajput	CSE	Digital Logic and Design , Cryptography	Digital Logic and Design, Microprocessor, Computer Organization
23	Ruchi Gupta	CSE	Cryptography, Discrete Mathematics, Data Compression	Digital Image Processing, Artificial Intelligence, Pattern Recognition, Soft Computing, Discrete Mathematics, Computer Graphics
24	Virendra Kumar Yadav	CSE	Discrete Mathematics , Artificial Intelligence	Digital Image Processing, Artificial Intelligence, Pattern Recognition, Soft Computing, Discrete Mathematics, Computer Graphics
25	Rohit Rastogi	CSE	Software Engineering , Digital Logic and Design , Automata	Software Engineering, Software Project Management
26	D S Bharanger	CSE	Computer Network , Data structures	Computer Networks(Wired, Wireless, Mobile), Distributed System, Network Security, Cryptography, Cyber Law
27	Gopal Gupta	CSE	Web Technology	Object Oriented Technologies, Web Technology
28	Nandita Goyal	CSE	Data Structures	Data Structures, C, Design and Analysis Of Algorithm, Automata , Compiler Design
29	Mradul Jain	CSE	Discrete Mathematics ,Computer Networks	Digital Image Processing, Artificial Intelligence, Pattern Recognition, Soft Computing, Discrete Mathematics, Computer Graphics
30	Anmol Jain	CSE	Compiler Design , Automata, Digital Image Processing	Data Structures, C, Design and Analysis Of Algorithm, Automata, Compiler Design
31	Nidhi Singh	CSE	Database Management System, Operating System	Database Management System, Operating System, System Programming
32	Pratibha Singh	CSE	Pattern Recognition	Digital Image Processing, Artificial Intelligence, Pattern Recognition, Soft Computing, Discrete Mathematics, Computer Graphics
33	Puneet Kumar Goyal	CSE	Data Structures, Database Management System	Data Structures, C, Design and Analysis Of Algorithm, Automata , Compiler Design
34	Rashmi Sharma	CSE	Parallel Algorithm, Cryptography, Soft Computing	Digital Image Processing, Artificial Intelligence, Pattern Recognition, Soft Computing, Discrete Mathematics, Computer Graphics
35	Atul Kumar	CSE	Digital Image Processing , IITM	Digital Image Processing, Artificial Intelligence, Pattern Recognition, Soft Computing, Discrete Mathematics
36	Gaurav Kansal	CSE	Data Structures, DBMS	Data Structures, C, Design and Analysis Of Algorithm, Automata , Compiler Design
37	Madhu Khurana	CSE	Soft Computing, DAA, Operating System, Digital Image Processing	Soft Computing, Digital Image Processing, Algorithms
38	Meena Chauhan	CSE	Software Engineering, Operating System	Software Engineering, Programming

3.1.6 Give details of workshops / training program / sensitization program conducted /organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Several seminars/workshops/conferences are organized by the departments and the research wing of College with focus on capacity building in term of research and imbibing research culture among the staff and students.

- International Conference on Computational Intelligence & Communication Technology (CICT- 2015), 13-14th Feb, 2015, Key speaker was Prof. Kukjin

Chun (Director (Elect. 2015-16) IEEE R-10 Professor & Dean Seoul National University Seoul)

- ICT Based NITTTR Chandigarh sponsored FDP on COMPUTER NETWORKING
- Workshop on "Key to Buyers Minds: A Case Study Approach"
- A Guest Lecture was organized on September 26, 2014 for MBA students on the topic "Discover your Potential". The Resource Person was Dr. Dipak Kumar Sharma (Director, S.S. Associates).
- National Conference on NCBOFT
- Training in ADVANCED EMBEDDED SYSTEM
- Training program on "Lab View: Introduction, Programming & Applications"
- Computer Aided Training on Power System using ETAP"
- "Smart Labs: myDAQ Applications" on September 27, 2014
- Industrial Automation (PLC/SCADA/HMI/DRIVES) under IARTC (Industrial Automation Research and Training Centre
- ICT Based NITTTR Chandigarh sponsored FDP on Industrial Automation And Robotics
- Workshop on SMART SYSTEMS
- FDP on 3G Mobile Systems
- The AICTE started Employment Enhancement Training Program (EETP)
- Summer Training on Telecom
- lecture on ARM-7 & ARM Cortex board September 19, 2014
- Telecom from 09/06/2014 to 8/07/2014(90 Hrs.).
- IBM BLUEMIX Workshop on cloud computing
- A one day workshop on "Eclipse & Android"

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

All departments are strengthened with qualified and experienced faculty. Based on the research specializations, the faculty members are grouped based on the research areas and the expertise available. Following are the details for the research areas and expertise of the faculty member's different departments.

Department	Faculty Name	Research area
Civil Engineering	Dr. T. Visalakshi	
Electronics & Communication Engineering	Dr. Deepak Garg	
Electrical & Electronics Engineering	Dr. Hemnat Ahuja	
Computer Science & Engineering	Dr. Radha Krishnan Dr. Munish Trivedi Dr. Hari Om Upadhaya	Computer Networks Digital Image Processing Digital Image Processing
Information Technology	Dr. A.KSoni Mr. Amit Sinha Mr. Ashwin Perti Mr Pankaj Kr. Sharma Ms. Nandita Goyal Mr. Saurabh Srivastava	Artificial Intelligence Computer Science Machine Learning Wireless Network ,Simulation & Modelling Computer Science

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

- The college has received recognition in national and international level due to the constant efforts by its students and faculty members to achieve latest technological advances.

- To nurture the innovative minds, the college has initiated a program called SPARK. Many esteemed minds of both industry and academia were the main attraction of the inauguration program of the SPARK.

- ABES ACM Student Chapter has been chartered on 27.05.2014 under Delhi NCR Chapter. Objective of ACM Student Chapter is to promote research and innovations in Computer Science & Engineering.

- The College has made sincere efforts to attract eminent researchers and academicians to visit the campus and interact with teachers and students through various means such as guest lectures, seminars, international conferences and workshops.

- In the recently held conference named International Conference on Computational Intelligence & Communication Technology (CICT- 2015), Prof. Kukjin Chun, (Professor & Dean Seoul National University Seoul) was one of the key speaker. Delegates from Royal University of Bhutan and other well-known universities of India also graced the occasion.

From Academia	From Industry
Prof. Kukjin Chun, Professor & Dean , Seoul National University, South Korea	Ms. Sangita Garg TCS
Dr. Sadeep Rakshit, Dean School of Computing, Kaziranga University Jorhat Assam	Dr.Ravi k Reddi, Team Architect, IBM Hyderbad
Dr. V.K.Agarwal , USA	Dr. Maaneesh Pandey Frescale Semiconductor, Noida
Dr. Tshewang Lhendup, Royal University of Bhutan	Mr. Rajeev Agarwal, Secretary TRAI (Govt. of India) New Delhi
Dr. Rajesh Prasad, Yobe State University, Nigeria	Mr. Manjit Singh G.M. (Retd.), D.O.T., Govt. of India, New Delhi

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Many of the faculty members have utilized Study leave for research activities. The faculty members who are pursuing Ph.D. research works are granted study leave to carry out their research works. The faculty who availed such encouragement given by the College has contributed to improve the quality of research in the following ways.
- Active involvement in research activities
- Submission of more project proposals for various funding agencies
- Quality research through research publications
- Dissemination of their enhanced knowledge levels in research activity to the peers and students thereby improving teaching learning process
- Contributed in developing new research setups

Faculty Name	Qualification enhanced	Institution/ university
Mrs. Rashmi Sharma	Ph.D	Petrolium University, Dehradun

| Mr. Atul Kumar | Ph.D | Petronas University, Malaysia |

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).

The awareness about the latest research available at institute level is shared among the students and faculty. Apart from imparting knowledge from text book, the teaching learning activity is made practical by giving assignments on various research topics, which helps the students to do projects of industrial and social relevance. The students are motivated into creative thinking process in all spheres. The College has conducted various events like seminars/workshops/lecturers/project contests/ to create research and innovations.

Academic Year	Funding Agency and Scheme	Project Title/ type	Project Faculty/Students	Amount Sanctioned
2014-15	MSME	Smart Traffic Signal and Congestion Control System	Mr. Prabhat Kr. Katiyar (B.Tech., ECE, IV Yr.)	6.00 L
2014-15	MSME	Accident Reduction in Thresher/ Fodder Cutter	Mr. Saurabh Mishra (B.Tech, EN, III Yr.), Mr. Sameer Shekhar (B.Tech, EN, III Yr.) and Mr. Azad Mishra (B.Tech, EN, IIIrd Yr)	5.50 L
2014-15	MSME	Smart Shoes for the Visually Challenged	Mr. Astik Sachan (B.Tech, EN, IIIrd Yr.)	6.25 L
2014-15	MSME	Automatic Text Extractor	Mr. Astik Sachan (B.Tech, EN, IIIrd Yr.)	4.25 L
	Poysha Packaging (P) Ltd., Ghaziabad (U.P.)	Removal of the Organic and Bacteriological Pollutants in Drinking Water of Rural Areas of Ghaziabad by using Cost Effective Methodss	Dr. Bhavana Sethi Dr. Shweta Sharma Dr. Divyanshi Sharma	1 L
	GDA	Public service	Prativa Singh	Applied
	GDA	Traffic and transportation	Manish Gupta	Applied

3.2 Resource Mobilization for Research

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

- Every year about 5-10 % of the total departmental budget is spent for research activities.
- The major heads of expenditure of research are on the purchase of advanced equipment, books, and journals and also for organizing workshops, training program, seminars and conferences.
- Faculty members are provided with registration charges, travel expenditures and incentives for their publications in reputed journals.
- From the year 2011-12 to 2014-15, Rs. 5, 11,814/- has been spent on incentives, TA-DA and other requisites on Research and Development.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facilities in the last four years?

Yes, the college provides seed money to the prospective researcher. Spark is a humble effort to assimilate developing groundswell of innovative thinking in our culture. With an annual budget of Rs. 25 Lakh the program is committed not to let any innovative idea die before even being born because of lack of financial or technical support. At the functional level the program encourages the students and faculty members to come up with innovative ideas that can be converted into commercially viable or socially useful products and services.

3.2.3 What are the financial provisions made available to support student research projects by students?

- The college provides 100% financial assistance to the students who are involved in the research project.
- The college funds the national/ international tours of the students involved in research activities.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

- Research and Development cell is composed of Engineering and Science & Humanity faculty. Many interdisciplinary research promotion activities are carried out by our faculty members of Engineering and Science & Humanities. The following are successful endeavors organized under interdisciplinary area.
- Many projects like Robocon, UAV, BAJA (multi- utility terrain vehicle) etc are developed by the involvement of students and faculty members of interdisciplinary branches.

- Workshops, seminars and conferences also involve students and faculty members from interdisciplinary branches**.**

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

- All the costly instruments available in the college are kept at one place, for benefits of all.
- The college has a research team that monitors and ensures that the faculty, staff and students make optimal use of various equipments and research facilities by the college.
- The faculty, staff and students effectively and optimally utilize the various equipments of the research facilities in the Institution.
- Every department has a lab consisting of facilities that are required for research in the respective fields. All equipment existing in the labs are calibrated periodically. They are made available both to faculty members and students.
- Library facilities and its conducive environment encourage/ motivate the staff and students to take a forward step to pursue research in their relevant field/interests. The faculty and students can avail various E-Journals, Internet and Library facilities.
- The college opens for two extra hours beyond the working hours. Transport is provided for those who stay beyond College hours.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

The institution has received grants from the industry and also from Government bodies for research activities as detailed below:

Academic year	Funding Scheme & Name of the funding agency	Sanctioned letter details	Total Grant Received (Rs)
Mechanical Engineering			
2012	UNDER SG, SEMINAR SYMPOSIUM, CONFRENCE FROM AICTE	RIDS/SAM/137/2011-12	1,00,000
Electronics & Communication Engineering			
2013	UNDER SG, SEMINAR SYMPOSIUM, CONFRENCE FROM AICTE	F.No.7-193/RIFD/SG/POLICY-1/2013-14	75000.00
2013	UNDER MODROB SCHEME FROM AICTE	F.No.12/AICTE/RIFD/MOD/ (POLICY4)Pvt. – 1/2012-13	11,00,000.00
2010	UNDER MODROB SCHEME FROM AICTE	F.No. 8024/RD/BOR/MOD-457/2009-10	10,00,000
Electrical & Electronics Engineering			
2013	UNDER MODROB SCHEME FROM AICTE	F.No.12/AICTE/RIFD/MOD/ (POLICY4)Pvt. – 1/2012-13	10,42,875.00
Computer Science & Engineering			
2010	UNDER MODROB SCHEME FROM AICTE	F.No.8024/RD/BOR/MOD-845/2009-10	6,23,000

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organisations. Provide details of ongoing and completed projects and grants received during the last four years.

Senior faculty members help the juniors to identify their field of expertise and research. Taking the guidance of the seniors, others prepare research proposals of their field of interest and float them for various relevant funding agencies. The following are the details of the proposals received/submitted for the various funding agencies.

Company Name	Incorporation Status	Name Of Infrastructure	Total Expenditure on Setting up of the Cell / Body (INR)	Amount Contributed by Industry at the Time of Setting up of the Cell (INR)	Start Year	Completion Year
ABES ENGINNERING COLLEGE	Institution	BADMINTION PLAYING ROBOT	225,000	225,000	2014	2015
ABES ENGINNERING COLLEGE	Institution	E-YANTRA LAB	299,557	299,557	2014	2015
CISCO NETWORKING ACADEMY	Private	ROUTER & SWITCHES	40,000	0	2014	2015
CISCO NETWORKING ACADEMY	Private	NETWORKING	40,000	0	2014	2015
IBM INDIA PRIVATE LTD., BANGLORE	Private	TECHNOLOGY TRANSFER	0	0	2014	Later
IIT BOMBAY	Government Body	VALET PARKING ROBOT	0	0	2014	2015
IIT BOMBAY	Government Body	E-YANTRA LAB	74,890	17,142	2014	2015
MHRD, GOVT. OF INDIA	Public Central	E-YANTRA LAB	350,000	350,000	2014	Later
MICROSOFT I.T. ACADEMY	Private	SOFTWARE	0	0	2015	2015
MIT PUNE	Private	ROBOCON	52,500	52,500	2015	Later
MSITL	Private	SOFTWARE	0	0	2015	2015
MSME	Government Body	SMART SHOE (HARDWARE)	187,500	187,500	2014	Later
MSME	Government Body	TEXT EXTRACTOR(SOFTWARE)	180,000	18,000	2014	Later
ORACLE ACADEMY	Private	SOFTWARE	94,000	0	2014	2015
ORACLE ACADEMY	Private	SOFTWARE	94,000	0	2015	2015
ORACLE ACADEMY	Private	SOFTWARE	94,439	0	2015	2015
ORACLE ACADEMY	Private	SOFTWARE	94,439	0	2015	2015

SAP LABS BANGALORE	Private	TECHNOLOGY TRANSFER	0	0	2014	Later
ABES ENGINNERING COLLEGE	Institution	BADMINTION PLAYING ROBOT	225,000	225,000	2014	2015
ABES ENGINNERING COLLEGE	Institution	E-YANTRA LAB	299,557	299,557	2014	2015
AICTE	Government Body	MODROB	1,042,875	1,042,875	2014	2014
IIT BOMBAY	Government Body	VALET PARKING ROBOT	0	0	2014	2015
IIT BOMBAY	Government Body	E-YANTRA LAB	74,890	17,142	2014	2015
MHRD, GOVT. OF INDIA	Public Central	E-YANTRA	350,000	350,000	2014	Later
MIT PUNE	Private	ROBOCON	52,500	52,500	2015	Later
MSME	Government Body	THRASHER(HARDWARE)	165,000	165,000	2014	Later
NATIONAL INSTRUMENTS	Private	TECHNOLOGY TRANSFER	5,000,000	2,500,000	2014	Later
NITTR - CHANDIGAR	Government Body	OPTICAL FIBER COMUNICATION	33,690	33,690	2014	2015
NITTR - CHANDIGAR	Government Body	3G MOBILE SYSTEM	10,592	10,592	2014	2015
ROCKWELL AUTOMATION NOIDA	Private	TECHNOLOGY TRANSFER	2,165,000	0	2014	Later
STARCOM INFORMATION TECHNOLOGY LIMITED	Private	TECHNOLOGY TRANSFER	1,023,234	0	2014	Later
ABES ENGINNERING COLLEGE	Institution	BADMINTON PLAYING ROBOT	225,000	225,000	2014	2015
ABES ENGINNERING COLLEGE	Institution	E-YANTRA LAB	299,557	299,557	2014	2015
AICTE	Government Body	MODROB	1,100,000	1,100,000	2014	2014
CADENCE DESIGN SYSTEMS	Private	FPGA IMPLEMENTATION OF BASEBAND MODULATION FOR TRANSCEIVER OF 802.16e (WIMAX)	0	0	2014	2015

CADENCE DESIGN SYSTEMS	Private	DESIGN OF ON CHIP INDUCTORS AND TRANSFORMERS WITH OPTIMIZED QUALITY FACTOR	0	0	2014	2015
CADENCE DESIGN SYSTEMS	Private	DESIGN OF QUANTUM VOLTAGE COMPARATORR (QVC) AND COMPENSATED DIFFERENTIAL AMPLIFIRER USING COMOS TECH	0	0	2014	2015
CADENCE DESIGN SYSTEMS	Private	IMPLEMENTATION OF 8 BIT BINARY FIXED POINT MODIFIED BOOTH MULTIPLICATION (RADIX 2,4,8)	0	0	2014	2015
IISC BANGALORE	Government Body	MAT BOTRIKS	0	0	2014	2015
IIT BOMBAY	Government Body	FIRE FIGHTING ROBOT	10,000	10,000	2014	2014
IIT BOMBAY	Government Body	E-YANTRA LAB	74,890	17,142	2014	2015
MHRD, GOVT. OF INDIA	Public Central	E-YANTRA	350,000	350,000	2014	Later
MIT PUNE	Private	ROBOCON	52,500	52,500	2015	Later
MSME	Government Body	TRAFFIC CONTROLLER(SOFTWARE)	127,500	127,500	2014	Later
NITTR - CHANDIGAR	Government Body	OPTICAL FIBER COMMUNICATION	33,690	33,690	2014	2015
NITTR - CHANDIGAR	Government Body	3G MOBILE SYSTEM	10,592	10,592	2014	2015
ABES ENGINNERING COLLEGE	Institution	BADMINTION PLAYING ROBOT	225,000	225,000	2014	2015
ABES ENGINNERING COLLEGE	Institution	E-YANTRA LAB	299,557	299,557	2014	2015
ABES ENGINNERING COLLEGE	Institution	SAE BAJA	9,192	9,192	2014	2014

ABES ENGINNERING COLLEGE	Institution	SAE NIS EFFI CYCLE	169,676	169,676	2014	2014
ABES ENGINNERING COLLEGE	Institution	ESVC (LPU)	16,000	16,000	2014	2014
ABES ENGINNERING COLLEGE	Institution	ATV CHAMPIONSHIP	26,000	26,000	2014	2014
ABES ENGINNERING COLLEGE	Institution	SAE NIS EFFI CYCLE	181,263	181,263	2015	2015
ABES ENGINNERING COLLEGE	Institution	ESVC (LPU)	17,685	17,685	2015	2015
IIT BOMBAY	Government Body	E-YANTRA LAB	74,890	17,142	2014	2015
MHRD, GOVT. OF INDIA	Public Central	E-YANTRA	350,000	350,000	2014	Later
MIT PUNE	Private	ROBOCON	52,500	52,500	2015	Later
MNRE	Government Body	NATIONAL WORKSHOP OR RENEWABLE ENERGY AND ITS APPLICATION	194,193	65,000	2014	2014

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

- The research and development committee guides various research activities in the college
- High bandwidth internet connectivity available 24X 7 for the students and faculty free of cost in the campus.
- The college owned an international Research Journal christened as Vision and Quest.
- The library provides access to E-journals, printed journals, reference material and thus supports the research work of students and faculty. More than 152 national and 118 international journals are available in the college library.
- To assist the research work done by students or faculty members, DELNET facility is also available in the library where books can be accessed from other library for viewing and downloading.
- Besides the above common facilities, Project laboratories, innovation center and special/advanced equipment laboratories with appropriate software and hardware are available to promote and develop the research activities to a greater extent.
- Facility of virtual lab is made available for the benefit of the researchers so that they can work on various high-end tools and simulate their data accessing simulation tools of IITs.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- The college has launched SPARK program recently. The program is committed to establish a self-sustaining ecosystem that promotes creativity and the spirit of innovation among the students. The program aims to promote research on application level. At the functional level the program encourages the researchers to come up with innovative ideas that can be converted into commercially viable or socially useful products and services.
- Apart from that the college update its laboratories to keep up with the modern research
- Regular upgradation of equipment and PCs are also done as per the need of the researcher.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments / facilities created during the last four years.

The College has following tie-ups:
- SAP UACADEMY
- MICROSOFT IT ACADEMY
- CADENCE DESIGN SYSTEMS AND IMPETUS INFOTECH LIMITED
- TATA CONSULTANCY SERVICES
- Texas instruments (TI labs)
- IBM CENTRE OF EXCELLENCE

- ROCKWELL AUTOMATION, USA has set up its state of art lab in the campus so that students can make themselves ready to meet challenges in global scenario.
- NICOE : 50-50% Industry- Institute Partnership where 28% is given by the industry and 28% by the college

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

The college has several tie ups with the prestigious institution across the country. For example:
- Virtual lab with IIT Delhi
- eYantra lab with IIT Mumbai
- ALTTC- BSNL, Ghaziabad
- NPTI- Power system simulation and solution
- National Instruments
- Cadence Design Systems and Impetus Infotech Limited
- Has tie up with 16 colleges of NCR in collaboration with IIT- Delhi so as to access lab resources.
- NITTTR Chandigarh

3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?
- College is having computerized library, modern catalogue and E-journal facilities through which the researchers can access reputed journals like IEEE, Science Direct, Springer etc.
- The institute is having a set-up of digital library with good number of E-Journals used for the reference purposes during research. Researcher can access facilities of library as per their requirement in their respective research.
- To assist the research work done by students or faculty members, DELNET facility is also available in the library where books can be accessed from other library for viewing and downloading.

3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

Industrial Automation research and training centre (for learning automation tools of modern industries)

- Rockwell Automation - equipped with PLC based automation tools- i.e latest PLCs, HMI and SCADA tools used in automation industries
- NI- COE (innovation centre to promote PC based automation)- equipped with NI Lab View software latest version, NI-myRIO, ELVIS Board etc.
- SMC -automation tools based on Pneumatic and hydraulic pressure.
- CAD/CAM/CAE trainings-with latest simulation software & supporting hardware.

Embedded and robotics
- e-Yantra lab-Instruments and ROBOs provided by IIT-Mumbai
- UAV lab

- Texas Instrument- TI Kits & Robos

Computer and networking – equipped with latest software & supporting hardware.
- SAP training
- Microsoft IT academy
- Mobile computing
- Oracle workforce development program
- CISCO network academy
- IBM Centre of excellence

Others reputed
- SAE-BAJA
- DRDO-Unmanned Ground Vehicle projects.
- GDA innovative projects
- MSME projects
- CADENCE

3.4   Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

* Patents obtained and filed (process and product) - **Nil**
* Original research contributing to product improvement -   Nil
* Research studies or surveys benefiting the community or improving the services - 26 (CSE Department)
* Research inputs contributing to new initiatives and social development **22** (CSE Department)

Academic year	Student details	Project title	Project coordinator	Project contributing to the new initiative and social development
2012	Amough Ratan Himanshu Pal Shivesh Shukla	Robotic Surveillance	Mr. Punit Gupta	New Initiative
2013	Swati Lal Renuka Nanda K. Lavnya	Soil add water component analyser	Ms. Nidhi Singh	Social Development
2014	Vandana Gupta	Image Extraction	Ms. Kanchan Singh	New Initiative

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Yes. College publishes a research journal named Vision and quest.
(ISSN No-0975-8410)

3.4.3 Give details of publications by the faculty and students:

- ❖ Publication per faculty
- ❖ Number of papers published by faculty and students in peer reviewed journals (national / international)
- ❖ Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- ❖ Monographs
- ❖ Chapter in Books
- ❖ Books Edited
- ❖ Books with ISBN/ISSN numbers with details of publishers
- ❖ Citation Index
- ❖ SNIP
- ❖ SJR
- ❖ Impact factor
- ❖ h-index

S.No.	Name	Admission No.	Branch / Year	Name of Journal	National / International	Published Paper Title	Published Year	Details of Journal
	Papers Published by students in Journal							
1	*Ritika Sharma*[1] Saurabh Kaushik[2] Shubhangi Garg[3] Himanshu Setiya[4]	2009IT035	IT 4th	International Journal of Innovative Research in Computer and Communiction Engineering ,*Volume. 1, Issue 1, March 2013. (page no. 126-133)* www.ijircce.com	International	"A Technique for Changing or Adding the Attribute of Shape Files Through Mobile Device in a Distributed System Environment"	April,2013	International Journal of Innovative Research in Computer and Communiction Engineering (IJIRCCE) ISSN : 2320-9798
2	Yogesh Kumar	2009IT045	IT	International Journal of Engineering Research & Technology, *Volume 2, Issue 4, April 2013. (page no. 2690-2698) www.ijert.org*	International	"Developing in Applications for M-GIS to Access Geoserver Through Mobile for Importing Shapefile"	April,2013	International Journal of Innovative Research in Computer and Communiction Engineering (IJERT) ISSN : 2278-0181
3	*Abhishek Chauhan*[1] Shivangi Srivastava[2] Anamika Singh[3] Aman Singhal[4]	2009CS008	CS 4th	International Journal of Scientific & Engineering Research, *Volume 4, Issue 4, April 2013. (page no.1-5) www.ijser.org*	International	"3D Face Detection and Recognition	May,2013	Online International (IJSER) ISSN : 2229-5518

4	Ritik Sharma[1] **Shubhangi Garg[2]** Saurabh Kaushik[3] Himanshu Setiya[4]	2009EEE061	EEE 4th	International Journal of Computational Engineering Research , *Volume 3, Issue 5 (page no. 123-129) www.ijceronline.com*	International	"Develop A Electricity Utility Network Using GIS"	May,2013	International Journal of Computational Engineering Research (IJCER) URL : www.ijceronline.com ISSN : 2250-3005
5	**Birendra Kr. Saraswat[1]** Mr. Ashwin Perti[2] Mr. Sachin Dev Goyal[3]	M.Tech. CSE Asso.Prof. Asst. Prof.		International Journal of Research and Practices in Engineering Sciences, *Volume 1, Issue1 March-May 2012,(page no.145-151)* www.ijrpes.org	International	"A Review of Comparative Study of Routing Protocols in MANET"	March-May 2012	International Journal of Research and Practices in Engineering Sciences (IJRPES) ISSN : 2278-5744
6	Apurva	2009IT047	IT 4th	International Journal of Innovative Technology and Exploring Engineering *Vol.2, Issue-4, March-2013*	International	"Implementing Kalman Filter in GPS Navigation"	Feb.2012	International Journal of Innovative Technology and Exploring Engineering (IJITEE) *ISSN:2278-3075*
7	Suneet Kumar Gupta[1] Aparna Trivedi[2] Ingita Singh[3] Karishma Singh[4] Apurva Srivastava[5]	Asso. Prof.	IT	International Journal of Computer Science Issues *Vol.8, Issue 6, 03 Dec.2011 www.ijcsi.org*	International	"Literature Survey on Design and Implementation of Processing Model for Polarity Identification on Textual Data of English language"	17 Nov.2011	International Journal of Computer Science Issues *Vol.8, Issue 6, 03 Dec.2011 www.ijcsi.org*

Papers Presented by Students								
S.No.	Name	Admission No.	Branch / Year	Name of Conference	National / International	Title of Paper	Attended Date	Attended Venue
1	Ms. Neetu Sharma[1] **Kanika Sharma[2]** Laxmi Verma[3]	2011MCA128	Asstt. Prof. MCA MCA 3rd MCA 3rd	National Conference on "Cloud Computing - Driving Initiative For e-Goverance and Education" organized by Department of Computer Science & Engg. IILM Academy of Higher Learning	National	"Is Google Good for You"	20th Sept, 2013	IILM, Greater Noida

2	Ms. Neetu Sharma[1] **Komal Bhatnagar[2]**	2011MCA160	Asstt. Prof. MCA MCA 3rd	National Conference on "Cloud Computing - Driving Initiative For e-Goverance and Education" organized by Department of Computer Science & Engg. IILM Academy of Higher Learning	National	"Sixth Sense Technology"	20th Sept, 2013	IILM, Greater Noida
3	Mr. Rohit Rastogi[1] **Aman Agarwal[2]** Vipul Aggarwal[3]	2010CS065	Sr.Asstt. Prof. CS CS 3rd CS 3rd	National Conference on "Research & Development in Computational & Information Technology (ncrdcit,12)	National	"Unsupervised learning of Mixed Type of Attributes Using Genetic Algorithm"	7th - 8th Sept. 2012	Deptt. of IT , SRM University NCR Campus, Modinagar
4	Mr. Rohit Rastogi[1] **Abhishek Jha [2]** Poonam Mehar[3] Ashok Singh Chauhan[4]	2010CS022	Sr.Asstt. Prof. CS CS 3rd CS 3rd CS 3rd	National Conference on "Research & Development in Computational & Information Technology (ncrdcit,12)	National	"Clustering of Mixed variety of data using D&C Approach"	7th - 8th Sept. 2012	Deptt. of IT , SRM University NCR Campus, Modinagar
5	Ms. Neetu Sharma[1] **Vivek Srivastava[2]** Chandra Shekhar Singh[3]	2010MCA058 2010MCA028	Asstt. Prof. MCA MCA 3rd MCA 3rd	National Conference on "Research & Development in Computational & Information Technology (ncrdcit,12)	National	"Different Approaches Towards Webpage Ranking"	7th - 8th Sept. 2012	Deptt. of IT , SRM University NCR Campus, Modinagar
6	Ms. Neetu Sharma[1] **Uma Shankar[2]** Vikram Kaushal[3]	2010MCA127 2010MCA213	Asstt. Prof. MCA MCA 3rd MCA 3rd	National Conference on "Research & Development in Computational & Information Technology (ncrdcit,12)	National	"ERP and E Business"	7th - 8th Sept. 2012	Deptt. of IT , SRM University NCR Campus, Modinagar
7	**Priyanshu Saxena[1]** Mayank Tiwari[2] Tushar Sharma[3]	2009EC004 2009IT039 2009IT049	EC 4th IT 4th IT 4th	International Conference on " Computer Science and Engineering"	International	"Secure Micro-payment System Scheme using Imbricate Cryptograph"	24th -25th March 2012	Kolkata
8	**Mayank Tiwari[1]** Shaivya Jindal[2] Priyanshu[3]	2009IT039 2009IT059 2009EC004	IT 4th IT 4th EC 4th	International Conference on " Advances in Computing-2012"	International	"Prevention of Man in the Middle Attack by Using Honeypot"	4th - 6th July 20121	MSRIT Post, Banglore

9	**_Arpita Srivastava_**[1] Anumita Kardam[2]	2010CS110 2010CS028	CS 3rd CS 3rd	International Conference on " Recent Trends in Computing"	International	"A Comparative Analysis of Supervised Learning Between Probability Based Methods and K-Mean Methods"	4th - 5th Oct. 2012	SRM University, NCR Campus, Ghaziabad
10	Rohit Rastogi[1] **_Abhishek Jha_**[2]	2010CS022	Sr.Asstt. Prof. CS CS 3rd	International Conference on " Recent Trends in Computing"	International	"Clustering of Mixed Variety of Data Using D&C Approach"	4th - 5th Oct. 2012	SRM University, NCR Campus, Ghaziabad
11	Rohit Rastogi[1] **_Aman Aggarwal_**[2] Vipul Aggarwal[3]	2010CS065	Sr.Asstt. Prof. CS CS 3rd CS 3rd	International Conference on " Recent Trends in Computing"	International	"Unsupervised learning of Mixed Type of Attributes Using Genetic Algorithm"	4th - 5th Oct. 2012	SRM University, NCR Campus, Ghaziabad
12	**Mayank Tiwari**[1] Rajeshwar Kumar[2] Shaivya Jindal[3] Pankaj Sharma[4] Priyanshu[5]	2009IT039	IT 4th	International Conference on "Haterogeneous Networking for Quaality , Reliability , Security and Robustness"	International	"An Efficient and Secure Micro Payment Transaction using Impricate Cryptography"	11th - 12th 2013	Greater Noida
13	Rohit Rastogi[1] **_Abhishek Jha_**[2] Poonam Maher[3] Ashok Singh[4]	2010CS022	CS 3rd	International Conference on "Advanced Computing and Communication Technologies"	International	"An Extensive Technique for Clustering of Mixed Variety of Data"	03rd Nov. 2012	APIIT Panipat
14	Rohit Rastogi[1] **_Aman Aggarwal_**[2] Vipul Aggarwal[3]	2010CS065	CS 3rd	International Conference on "Advanced Computing and Communication Technologies"	International	Clustering of Mixed Data Type of Attributes Using Genetic Algorithm (Numeric, Categorical, Ordinal, Binary,Ratio-Scaled)	03rd Nov. 2012	APIIT Panipat

15	Rohit Rastogi[1]**Anumita Kardam**[2]Arpita Srivastava[3]Megha Guar[4]	2010CS028	CS 3rd	International Conference on "Advanced Computing and Communication Technologies"	International	Improvement in Supervised Learning by Probablity Based K-Mean Methods Over Normal K-Mean Methods	03rd Nov. 2012	APIIT Panipat
16	Kanchan Singh[1] **Shalove Agarwal**[2] Shashank Yadav[3]			Students Conference on "Engineering and System SCES-2012		K-Means VersusK-Means++Clustering Technique	16th-18th March 2012	MNNIT, Allahabad
17	Annupurna Singh[1] Swati Aggarwal[2]		CS 3rd IT 3rd	National Conference on "Computing Trends & Issues for National Development"	National	Neuro Linguistic Programming : An Approach to Enhance the Performance of Living Things	11th-12th March 2011	Mathura
18	Kanchan Singh[1] **Shalove Agarwal**[2] shashank Yadav[3]	Asst. Prof.		National Conference on "Role of IT & Management in Sustainable Development "	National	Time Table Generation Using Graph Coloring Algorithm	26th Nov. 2011	IMR, Gzb.
19	Pankaj Sharma[1] **Kumar Nikhil**[2] Swati Agarwal[3]	Asst. Prof.	IT 4th	National Conference on "Research Trends in Computer Science and Technology"	National	A Review of the Software Testing Process in SDLC	27th-28th Jan. 2011	Hyderabad
20	**Swati Aggarwal**[1] Kumar Nikhil[2]			International Conference on Information Technology Convergence and Services (ITCS 2012)	International	Application of Genetic Algorithm in Designing A Security Model For Mobile Adhoc Network	4th Jan. 2012	Bangalore
21	**Ankit Sandilya**[2] Subhashish Roy[1]	2004CS014	CS	International Conference on AIAA	International	GUI Based Simulation and Integration of Flight Mechanic Models of Artillery	24th- 27th Sep. 2007	

							Projectiles (SIM - MAP)		
22	Ms. Neetu Sharma[1] *Misha Maseet[2]* Gurpreet Kaur[3]	2011MCA117 2011MCA228	MCA	National Conference on Cloud Computing:Driving New Initiatives for E-goverance and Education (CCDNIEE-2013)	National	"Red- Tacton ; An Innovative Human Area Networking Technology"	20th Sept.2013	IILM-AHL-CET, Greater Noida
23	Aishwary Katiyar	2010IT033	IT	International Conference on Issues and Challenges in Intelligent Computing Techniques	International	"Performance Improvement of MANET Under DSR protocol Using Swarm Optimization"	7th-8th Feb. 2014	KIET, Gzb.
24	Amit Sinha[1] *Sakshi Vardhan[2]* Sonal Saxena[3]	2010IT041 2010IT037	IT	International Conference on Recent Development in Computational and Information Technology with IEEE (ICRDCIT"14)	International	"An Improved Model to Identify Blog Authors"	7th-8th March 2014	SRM, University, Delhi
25	*Shubham Rungta[1]* Samiksha Srivastava[2] Uday Shankar Yadav[3]	2011CS120 2011CS061 2011CS036	CS	IEEE Conference	International	"A Comparative Analysis of NweApproach with -on Existing Algoritham to Detect Cycles in a Directed Grape"	10th- 13 Dec.2013	Computer Society of India, Visakhapatnam
26	Pankaj Sharma[1] *Tarun Varshney[2]* Tushar Sharma[3]	2010IT0051	IT 4th	Communication Systems and Network Technology (IEEE)	International	"Implementation of Watchdog Protocol with AODV in Mobile Adhoc Network"	7th April 2014	NITTTR Bhopal
27	Aanchal Pathak	2012MCA028	MCA 2nd	International Conference on " Electrical , Power Control, Electronics and Communication Engineering"(EPCECE-2014)	International	Camparative Study on the Filtering Techniques of Digital Image Processing	18 Jan.-19 Jan 2014	JNU, New Delhi

28	Rohit Rastogi[1] *Uarvashi Kaul[2]* Saumya Agarwal[3] Palak Sharma[4] Shilpi Jain[5]	2011CS011	CSE	3rd International Conference on "Soft Computing for Problem Solving"	International	Unsupervised Classification of Mixed Data Type of Attributes Using Genetic Algorithm (Numeric, Categorical, Ordinal, Binary, Ration-Scaled)	26 Dec. - 28 Dec. 2013	Saharnpur Campus of IIT Roorkee, Greater Noida
29	Esmita Singh[1] *Rateesh Babu[2]*	2012MCA069	MCA 2nd	International Conference on Recent Advances in "Electrical Engineering , Power Control;,Electronics and Communication Technology" 2014(EEPCECT-2014)"	International	Atomic Force Microscopy : A Source of Investigation in Biomedicine	31st May - 1 June 2014	Jawaharlal Nehru University, New Delhi
30	**Rajat Sharma[1]** ,Akshay Jain[2]	**2011CS087**	CSE	Sixth International Conference on Contemporary Computing (IC3-2013)(IEEE)	International	("A New Face to " Photo Security" of "Facebook")	08 Aug. - 10 Aug. 2013	IIIT, Noida
31	Aanchal Pathak	2012MCA028	MCA	Advances in Electronics and Electric Engneering	International	"Comparative Study on Filtering Techniques of Digital Image Processing"	18th Jan- 19 Jan 2014	
32	Shivani	2013MCS1010	CSE	International Conference on Information and Communication Technology for Competitive Strategy(ICTCS-2014)	International	Zero Distortion Technique: An Approach to image steganogography on color image using strength of chaotic sequence	14-16th Nov 2014	Sunrise Group of Institutions (SGI), The Institution of Engineers (INDIA) Udaipur
33	Rajat Sharma	2011BCS1086	CSE	International Conference on Frontiers of Intelligent computing Theory and application (FICTA 2014)	International	An Innovation Approach to show the hidden surface by using Image inpainting Technique	14-16th Nov 2014	Bhubaneswar Engineering College (BEC),Bhubaneswar
34	Shilpi Jain	2011BCS1114	CSE	International Conference on Emerging ICT for Bridging the Future-Proceeding of the 49th Annual Convention of the Computer Society if India(CSI) Volume 2	International	A Novel D & C Approach for Efficient Fuzzy Unsupervised Classification for	12-14th Dec-2014	JNTUH ,Kukatpally, Hyderabad

						Mixed Variety of Data		
35	Misha Maseet Ms.Neetu Sharma Ms. Gurpreet Kaur	2011MCA117	MCA	National Conference on Cloud Computing:Driving New Initiatives for E-goverance and Education (CCDNIEE-2013)	National	"Red- Tacton ; An Innovative Human Area Networking Technology"	20th Sept.2013	IILM-AHL-CET, Greater Noida
36	Tarun Varshney	2010IT051	IT	International Conference on Communication Systems and Network Technology (IEEE)	International	"Implementation of Watchdog Protocol with AODV in Mobile Adhoc Network"	7th April 2014	NITTTR ,Shamla Hills,Bhopal
37	Saumya Agarwal[1] Palak Sharma[2] Shilpi Jain[3]		CSE	3rd International Conference on "Soft Computing for Problem Solving" [SocPros 2013]	International	Unsupervised Classification of Mixed Data Type of Attributes Using Genetic Algorithm (Numeric, Categorical, Ordinal, Binary, Ration-Scaled)	26 Dec. - 28 Dec. 2013	"An Event on the Golden Jubilee Celebration of saharanpur Campus"Saharnpur Greater Noida Extension Center of IIT Roorkee
38	Aanchal Pathak[1], Esmita Singh[2]	2012MCA028	MCA	International Conference on Comparative study on the particle filter of dynamic image processing	International	Comparative study on filtering techniques of digital image processing	18th-19th-Jan-2014	Jawaharlal Nehru University, New Delhi
39	Shashank Mittal[1,] Rohit Rastogi	2012BCS1107	CSE	09th INDIAcom.;2015 2nd International confernance on Computing for sustainable Global Development.	International	Linear Algorithm for Imbricate Gyptography using Pseudo Rendom Number Generator.	11th-13th March-2015	BVICAM Bharti Vidhyapeath,New Delhi
40	Rishabh Mishra	2013BCS1004	CSE	09th INDIAcom.;2015 2nd International confernance on Computing for sustainable Global Development.	International	Security of Data Transmission using Logic Gates And Gypt Analysis in INDIACom.-2015	11th-13th March-2015	Bharti Vidhyapeath, Ablock Paschim Vihar ,New Delhi

41	Rohan Gupta, Abhishek Singh,	2013BCS1015,2011CS026,	CSE	09th INDIAcom.;2015 (BVICAM) International confernance on Computing for sustainable Global Development.	International	A Novel Approach for Vehicale Tracking system for traffic jam problem	12-Mar-15	Bharti Vidhyapeath Institute od Comp. App. & MAnagement,New Delhi
42	Anjali Sharma	2012MTCS003	CSE	Development of Intelligent Routing System Based on Fuzzy-AHP Approach	International Conference	Development of Intelligent Routing System based on Fuzzyy-AHP Approach	11-12 April-2015	IIT-Delhi(Indian Institute of Delhi)

3.4.4 Provide details (if any) of

❖ research awards received by the faculty

❖ recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

❖ Incentives given to faculty for receiving state, national and international recognitions for research contributions.

Sr. No	Name of the faculty	Institute/ Society Committee which conferred	Title of Honour/Award/Fellowship
1.	PANKAJ SHARMA	Confederation of Education Excellence	TEACHERS EXCELLENCE AWARD 2014
2.	DEVENDRA KUMAR	IBM	THE GREAT MIND CHALLENGE - 2014
3.	MUNESH TRIVEDI	India Today Council of Science &Tech. Govt. of UP Pacific University Udaipur JRN RVD University Motivational Society of Achievers MIR Labs & JRN RVD Univ	Best Selling book 2008 Research Work Best Teacher in CS Best Research Paper Social Networking & Serving for humanity Grand Success of 6th IEEE international Conference CICN 2014

3.5   Consultancy

3.5.1   Give details of the systems and strategies for establishing institute-industry interface?

Experience of our alumni, faculty members, Placement Cell, Student employability enhancement Cell, and CCPD play a pivotal role to establish Institute- Industry – Interface. Some of the faculty members, engaged in research work, frequently interact with the industry stalwarts to get acquainted with the latest trends. They inculcate the knowledge in students thereafter. So Institute- Industry relationship is a part of our educational set up. The Placement Cell of the College initiates the interface talks with the industry as well as training institutes oriented towards the technical skill and soft skill improvement of the students so as to enhance their employability skill. The cell also at times designs the modules according to the requirement of students. The institute has partnership with various organizations and College plans to strengthen its associations so that it evolves into more fruitful interaction with industry. The College entertains the Industry – Institute – Interaction by encouraging students in the following activities.

Set up various COE of renowned Industries
- Industrial Visits
- Inviting industry experts
- Conducting technical events

3.5.2   What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

The college provides consultancy to the internal and external agencies without charging any token money for the services.

3.5.3   How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The college encourages Consultancy without any profit for the services. This is aimed to encourage the faculty to undertake consultancy work which bridges the gap in academics.

- For the requirement originating from the concerned industry, the college will assess the feasibility, time and requirement.
- Individuals or Departments may also initiate and take up consultancy.
- Faculty involved in such consultancy would be permitted to use college resources.

3.5.4   List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

NOT APPLICABLE

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

The college has not generated any income from consultancy work as such the above statement is not applicable.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The College has always felt concerned about the increasing access of students from various sections of the society to higher education. By providing reservations, financial aids, scholarships and relaxation in qualifications for socially backward classes, the college has registered significant increase in students' social participation during last few years. The college aims to achieve its goal of providing higher education to create just, plural and equitable society in consonance with constitutional values. The major strength of this college is its ability to ensure holistic development of students to make them enlightened citizens. The college is an 'equal opportunity' institution established to provide knowledge and quality education to all sections of society. It aims to maintain modern outlook with contemporary developments without compromising moral values. To provide knowledge and quality based education to the students by inculcating moral values, scientific temper and employing state of the art technologies. It aims to pursue excellence towards creating manpower with high degree of intellectual, professional and cultural development to meet the national and global challenges. The institute is conscious of its role in campus-community connection, wellbeing of its neighborhood and has initiated a number of community development activities. These include:

- Organizing regular blood donation camps, and blood donation on life saving emergency call

- Involvement of the faculty, student and also neighboring institute for raising various charity activities and relief funds during natural calamities.

- Organizing NSS camp

- Helping children of underdeveloped areas

- Charity in terms of fund is provided for Go-shala and Narayan Seva trust for philanthropic activities to rehabilitate physically handicapped children and to take care of stray cows.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

- Different forum like NCC, NSS etc., are made available for the students to get involved in the extension activities. Apart from that students run their own NGO called HUHC which provides free education to poor children.
- It is made sure that every student is getting involved in at least one such forum.
- Every forum has Coordinators and team members who monitor the student

- Involvement during the activities and encourage them to do so.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The goals and objectives of the College are prominently displayed in the mission, vision, policy given to the students at the time of admission and also intimated in the orientation program. The institution always solicits the stakeholder's perception about the performance and the quality of the education being imparted by the institution.

Various Methodss incorporated by our college are:

- Every class consists of two class representatives. They communicate the requirements and problems met by their class students to the class coordinator/Head of the department in class committee meetings.

- If academic performance and/or attendance of the student is poor, details are informed to the parents telephonically or through postal services. Parent Teacher Meetings are organized regularly and their feedbacks of the parents are taken into cognizance for further development.

- Exit feedback from recruiters during campus placement hone up the skills of the students. Feedbacks from exit interview of the students are carefully considered.

- Registered Alumni association of the College not only provides feedback, but they also extend their activities by interacting with present students by delivering lectures on placement opportunities and what the industry expects from them. The reflection of the meetings/feedbacks will be incorporated and the College Management takes decisions and policies keeping in view the perceptions of all stakeholders.

3.6.4 How does the institution plan and organize its extension and outreach program? Providing the budgetary details for last four years, list the major extension and outreach program and their impact on the overall development of students.

The college is incessantly organizing a number of outreach activities which relate to academic, social, community service etc and all culminating in building a healthy society contributing to nation building. The institution organizes various outreach and extension activities through HUHC and NSS Cells. The institute has conducted several blood donation camps and tree plantations.

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

The college under takes wide spread cross-curricular enrichment activities through NSS, HUHC and other forms of community development activities. During admission and orientation, the representatives of these units inform students on the benefits and scope of the extension activities. The detail of the program is displayed on the notice board.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

The college has adapted an NGO, HUHC(Help Us to Help Child) and generously funds to educate the under-privileged children. The institute provides space and necessary infrastructure to champion the philanthropic activity.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

Academics and extension activities go simultaneously. The main objectives of the extension activities are:
- To provide quality and value skills and leadership qualities in the students
- To inculcate the spirit of discipline, dedication, determination and patriotism
- To develop team spirit and entrepreneurial qualities in the students

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

COMMUNITY ORIENTATION

Help Us To Help The Child (HUHC)
It is a registered non-profit organization working very passionately to provide education to all sections of society. H.U.H.C. is a Social Welfare Association founded in February 2012 by Mr. Shwet Prakash Srivastava (Alumunus, ABES, EC) for imparting education to the underprivileged children in slum areas, who do not have means to go to school.
   Recent Program of HUHC:
   1. Children's Day (14 Nov'14):
   2. Chandigarh Chapter (02 Dec'14):
   3. Christmas Charity Drive (22, 24 and 25 Dec'14):
   4. Ghaziabad Chapter- AKG, EC Center (24 Jan' 15):
NSS Club of our college continuously organizes community welfare programs like:
   1. Blood Donation Camp
   2. Swacchcha Bharat Abhiyaan
   3. Celebrates World Environment Day
   4. Health Checkup Camps
   5. Orphanage & Old age Home clothes and other necessary item collection
   6. Tree Plantation activities

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

Constructive relationship forged with other institution of the locality on various outreach and extension activities has been developed through following measures:
- During blood donation camps hosted by Rotary Club Ghaziabad (RCG), other institutes are also invited.

- During cultural program held within the campus, students from a large number of institutes across Delhi and NCR are participating. This helps in developing constructive relationships with other institutions.

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

The college has been recognised in state of UP for its philanthropic activities like spreading awareness of cancer, providing education to the weaker section of the society, rain water harvesting, wormi-culture, plantation drive, family health checkup camps etc.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The institution believes in the principle of collaborative learning and regularly conducts the training programs to meet the changing expectations from students in today's ever evolving environment.

The institution promotes and executes an effective partnership between the Institution and the research laboratories and Industry. The main focus area is to plan and generate appropriate R&D activities with sufficient dynamics to suit the needs of Industry at any given time so that the level of expertise of students and staff/ faculty can be enhanced which ultimately benefit the industry. Few Examples are:
Industrial Automation Research and Training Centre (for learning automation tools of modern industries)

- Rockwell Automation - equipped with PLC based automation tools- i.e latest PLCs, HMI and SCADA tools used in automation industries
- NI- COE (innovation centre to promote PC based automation)- equipped with NI Lab View software latest version, NI-myRIO ,ELVIS Board etc.
- SMC -automation tools based on Pneumatic and hydraulic pressure.
- CAD/CAM/CAE trainings-with latest simulation software &supporting hardware.

Innovation & Research in Embedded and robotics
- e-Yantra lab-in collaboration with IIT-Mumbai, to learn and develop robotics applications.
- UAV lab – operations related to Unmanned Aerial Vehicle.
- Texas Instrument Lab- To learn and develop embedded & robotics applications.

Innovation & Research in Computer and networking – equipped with latest software & supporting hardware.
- SAP training
- Microsoft IT academy
- Mobile computing
- Oracle workforce development program
- CISCO network academy
- IBM Centre of excellence

Others reputed R&D activities
- SAE-BAJA
- DRDO-Unmanned Ground Vehicle projects.
- GDA innovative projects
- MSME projects
- CADENCE
- Virtual Laboratory in collaboration with IIT-Delhi
- NITTTR-Chandigarh

- R&D Exchange Program with 16 colleges of NCR under supervision of IIT – Delhi.

In addition, the institution sponsors scholarships to depute the faculty members, students to conferences, workshops, national and international seminars for sharing of innovations and research, at a common platform.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

Around 6-8 MOUs have formally resulted out of various linkages / collaboration of the institute with educational education /Industrial organizations. The details of the collaboration are as follows:

- e-Yantra lab
- MSME incubation center
- SAP uAcademy
- Microsoft IT Academy
- Cadence Design Systems and Impetus Infotech Limited
- Tata Consultancy Services
- IBM Centre of Excellence
- Rockwell Automation, USA
- NICCO Ventures and Monster College

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

The collaboration activities helped in understanding the need of the industry, and shaping up the students to match the needs. With the MOU signed industries, the benefits are attained in the following areas.

Internship/ On-the-job training
Training provided to the students on the job to have pragmatic and experiential learning.

Faculty exchange and professional development
Garnered the technical expertise from industrial experts and shared our resources through dissemination

Research
Motivating the faculties to undertake research.

Consultancy
Faculties are engaging consulting activities with industries.

Extension
Students are encouraged to involve in community development programs.

Publication
Faculties and students are publishing papers with the help of industries.

Student Placement
Industrial contacts and rapport have helped in placing good number of students in viable employment

Introduction of new courses
To fill the gap between industries and academic institutions, suggestions from industries were obtained and content beyond syllabus are included in the teaching Methodology

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

National Conference

Date	Title	Presented By
24-25.02.2012	National Conference on Cloud Computing	CS/IT/MCA
08-09.02.2013	National Conference on Wireless Communication	ECE
24-25.01.2014	National conference on Wireless Communication & Emerging Trends	ECE
04-05.04.2014	National Conference on "Computer Intelligence and Robotics"	CSE
28-29.11.2014	National Conference on "Dawn Of Foreign Technologies in India" as SAVOIR MANTRANA	ACM Student Chapter
13-14.02.2014	IEEE International Conference on Computational Intelligence & Communication Technology	CSE
13-14.03.2014	National Conference on Broadband and Optical Fiber Technologies (NCBOFT)	ECE

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated

20 MOUs have formally resulted out of various linkages / collaboration of the institute with educational education /Industrial organizations.

a) *Curriculum development/enrichment:* Yes, The College has designed some potions of B.tech syllabus of civil engineering, Physics and EVS. Few senior members of the college are member of Board of Studies.
b) Internship/ On-the-job training : Yes
c) Summer placement : Yes
d) Faculty exchange and professional development : NA
e) Research : Yes
f) Consultancy : NA
g) Extension : NIL
h) Publication : Yes
i) Student Placement : Yes
j) Twinning program : Yes
k) Introduction of new courses :Nil
l) Student exchange : Nil

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

- Any collaborative initiatives start with mutual agreement in paper. Support and facilities are provided to carry out the same.
- To improve the industrial interaction with the students and faculty, CCPD members were contacted frequently with the industries.
- Industrial persons are invited to visit the College and to interact with the students and faculty.
- The possible areas such Inplant training to students, Industrial visit, Guest lectures, Internship program and students project are identified and memorandum of understanding (MoU) is signed between the industry and College.
- Pneumatics in collaboration with SMC Pneumatics (unit of SMC Corporation Japan) provides hand-on training on different automation tools based upon Pneumatic pressure.
- COE provides the students hands-on experience of networking models in the real environment.
- Rockwell Automation has set up its state of art lab in the campus so that students can make themselves ready to challenges in the field of design and automation.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

1. A state of art infrastructure is very important for the effective conduct of teaching and learning process. Abiding by the regulations of UGC/ AICTE / UPTU, the infrastructure of ABESEC is created and upgraded on a timely basis. It included the following:
   - Smart Classrooms
   - Upgraded laboratories for enhancing practical knowledge
   - Infrastructure for R & D activities
   - LCD and OHP projectors
   - Audio-visual aids in various forms
   - Internet and wi-fi connectivity

2. A committee is formed in every department which constantly evaluates and takes steps to improve and upgrade the infrastructural facilities.

3. Infrastructure is also one of the components in the feedback process which is taken from the students where they share their views on the quality, maintenance and the need of upgradation of current infrastructure facility.

4.1.2 Detail the facilities available for

a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

   - Classrooms: State of art modern and smart classrooms with all audio-visual facilities including LCD projectors, ACs, green board, theatrical pattern etc.
   - Technology enabled learning spaces: Updated and upgraded COEs for practical knowledge are available which provides best hands on training experience to students. ICT bases classrooms, wi-fi connectivity, multimedia learning are promoted.
   - Seminar halls: Number of seminar halls are available in ABESEC for the conduct of sessions of conferences, guest lectures, FDPs, workshops, etc.
   - Tutorial space: Tutorial rooms are separately available which are used for one to one interaction between faculty and student to solve the problems of the students.
   - Laboratories: The College has well equipped and updated labs which are utilized by the students for gaining practical knowledge and projects.
   - Botanical garden: The College has sufficient green areas where numerous plats are reared and nurtured.
   - Specialized facilities and equipment for teaching, learning and research etc: Dedicated spaces are available for R & D activities. Also to promote an effective teaching learning environment, the college has facilities like

LCD projectors, audio visual aids, ACs etc. The college has very rich library where a plethora of books and e-books, reference books, journals etc. can be found

b) Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

- Sports: ABESEC organizes annual sports meet "Utsaaha" where students get ample opportunities to pursue their passion for sports.
- Outdoor and indoor games: The college offers varieties of outdoor and indoor game facilities like: cricket pitch, Volleyball, Basketball, Lawn tennis and Badminton courts, Football ground, Athletic activity space, billiards, chess, table tennis table, carom etc.
- Gymnasium: ABESEC as fully modern and mechanized gymnasium for maintaining sound health of students.
- Auditorium: The auditorium of ABESEC is very spacious with an accommodating capacity of more than 500 people at one time. The auditorium is having world class acoustics and lighting system.
- NSS: NSS Club of our college organizes and sensitized the community through various programs like:
  1. Blood Donation Camp
  2. Swacchcha Bharat Abhiyaan
  3. Celebrates World Environment Day
  4. Health Check up Camps
  5. Orphanage & Old age Home clothes and other necessary item collection
  6. Tree Plantation activities
- Cultural activities: Cultural club of college is actively organizing various colorful programs like Potpurri, Genero etc.
- Public speaking and Communication skills development: CCPD cell has taken serious initiatives for the overall development of the students like PDP through Zenith outsourcing and SEEP activities.
- Yoga, health and hygiene: Yoga Club organized various yoga camps, Art of Living Classes, Guest lectures by eminent persons like Dr. Rajesh Kapoor. Regular health checkup camps are also organized for health benefit of staff and faculty.

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

Our institution is continuously planning to improve the infrastructure for the academic growth as per the AICTE and Uttar Pradesh Technical University norms. To keep pace with the changing needs and requirements, additional infrastructures are being added from time to time. In the last four years, many facilities/buildings have been constructed/renovated. The details of the facilities which have been added are as under

:

ABES Engineering College,Ghaziabad
Cummulative Gross Value /Gross Block of Assets as on 01.04.2010 To 31.03.2014 (Rs. In Lacks)

S. No.	Particulars	2010-2011	2011-2012	2012-2013	2013-2014	Total
A	Building	434.68	308.01	245.80	985.69	1,974.17
B	Furniture's	29.82	9.44	137.21	51.86	228.34
C	Equipments:-					
1	Electric Installation	11.64	11.23	46.20	57.19	126.26
2	Air Conditioners	7.12	6.67	11.52	13.28	38.59
3	Black Board	-	1.84	2.13	0.79	4.76
4	Fan Imported (5 airfoil blades)			-	2.88	2.88
5	Fax Machine	-	0.16	-	-	0.16
6	Generator	34.38	-	0.89	-	35.26
7	Kitchen Equipments	-	-	-	0.14	0.14
8	Office Equipments	2.23	9.04	16.66	6.21	34.13
9	Projector	5.53	11.42	6.30	4.19	27.44
10	Tools & Spares	0.14	0.34	0.15	0.44	1.07
11	Zerox Machine	-	-	2.65	-	2.65
12	Water Cooler	1.80	-	4.91	2.10	8.81
13	Water Tank	-	0.87	1.24	5.64	7.76
14	P. A. System	3.49	-	7.97	1.52	12.98
15	EPBX System	-	-	3.04	-	3.04
16	Submersible Pump Set	0.23	-	0.63	0.70	1.55
17	Lift	3.75	-	-	-	3.75
18	LCD TV Screen	-	-	-	0.37	0.37
19	Civil Lab Equipments			12.27	3.88	16.15
20	Chemical Equipments	1.65	-	-	-	1.65

21	Electrical Equipments	1.75	4.53	2.23	20.60	29.11
22	Electronics Equipments	0.27	0.13	23.30	1.78	25.48
23	Lab Equipments- EN			-	36.30	36.30
24	Lab Equipments- CS			-	4.52	4.52
25	Mechanical Equipments	0.02	-	1.46	4.74	6.22
26	Micro wave Lab Equipment	-	0.55	-	0.01	0.56
27	Physics Equipments	0.05	-	1.28	0.68	2.02
28	Fire Prevention	6.73	4.09	9.36	5.37	25.54
29	Diesel Tank	-	1.85	-	-	1.85
30	WI-FI Access Point			-	9.12	9.12
31	Scanner Machine	-	0.31	-	0.08	0.39
	Total of Equipments	80.77	53.04	154.18	182.51	470.50
D	Computers	65.15	58.44	107.03	123.62	354.24
E	Vechicle	-	22.19	(0.54)	16.78	38.43
F	Any Other					
1	Books (Library)	16.81	20.54	28.21	37.98	103.53
2	Land	1.21	-			1.21
3	Building Under Constrasion	63.37	168.54	754.94	422.33	1,409.19
4	Electric Under Installation	-	29.95	30.95	16.20	77.09
	Total of Any Other	81.39	219.02	814.09	476.51	1,591.02
	Total :-	691.81	670.14	1,457.78	1,836.96	4,656.69

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The institution has put up following efforts to cater to the needs of differently-abled students as per government policies:

- Ramps are available in almost all the blocks in the campus and a block where

there is no ramp, lift facility is available.

- Such students are attached to faculty counselors or their mentors to take care of their specific requirements.

- There is a provision of accommodating differently–abled students only on the ground floor of hostels.

- Adhering to the government policies for the differently-abled, certain seats are reserved for them during the admission process

- All the other Government initiated schemes for differently-abled are religiously followed by ABESEC.

4.1.5 Give details on the residential facility and various provisions available within them:

- Hostel Facility – Accommodation available

Hostels	No. of rooms	No. of Students accommodated
Hostel for Boys	461	1081
Hostel for Girls	265	596

- Recreational facilities, gymnasium, yoga center, etc.
  The college has one cricket stadium, volley-ball court, badminton court, table tennis, snooker and other indoor games.
- Computer facility including access to internet in hostel
  We are equipped with 05 No's landline connections from BSNL, and 30 Lines (PRI) -100 Nos. from Vodaphone. We have internal digital EPBAX system of 170 lines with PRI. Beside we have internet facility for staff and students with broadband capacity of 80 mbps. We have CUG mobile facility for employees from Vodafone service provider.
- Facilities for medical emergencies
  - ✓ Ambulance with Oxygen and other emergency support available 24x7 Hrs.
  - ✓ Tie up with Columbia Asia Hospital (5 Km.). Many other hospitals are nearby i.e. Crossing Republic, Vijay Nagar etc.

Availability of first-aid unit
We have well established medical facility equipped with 1 bed and other emergency appliances. 1 permanent medical practitioner assisted by 1 nursing assistant is available during the working hours (8.30 AM to 4.30 PM) of the College.

- Library facility in the hostels
  Every hostel equipped with small library providing books of general category and besides this the library is open for prolonged hours for students.
- Internet and Wi-Fi facility
  The entire college campus is Wi-Fi enabled.
- Recreational facility-common room with audio-visual equipments
  All the hostels are equipped with televisions and other music

systems.

- Available residential facility for the staff and occupancy Constant

Supply of safe drinking water
Yes we have dedicated residential accommodation for faculty.
The water is pumped from ground with continuous chlorine dosing via chlorination pump and collected in a overhead tower tank of 4 lac liter capacity from where it is distributed in buildings through tanks at the top of each building. The drinking water is supplied only after suitable cleaning, filtration and softened in softener plant and ensured its suitability by keeping all required parameters (as per BSS standards) within limits, which is monitored through periodic water testing for physical & biological parameters.

The institute is equipped with water coolers fitted with water purifiers (Aqua Guards).

Security
The college and hostel areas in the campus are manned 24 hours by security personnel which are posted at Main Gate, Boys Hostel Gate, and Girls Hostel Gate and for all patrolling purpose. All movements of man, material, visitors and vehicle are checked and controlled at security gate. CCTV cameras have also been installed at strategic locations from security point of view.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

Following are the provisions made available to students and staff in terms of health care on the campus and off the campus:

- Group healthcare scheme for staff and students is offered by ABESEC to promote health care issues.

- A Doctor is available in the campus round the clock for taking care of health issues.

- Wheel chairs, stretchers, observation room etc, are available for emergency purposes.

- Round the clock ambulance is available which take s the critically ill students to the affiliated multispecialty hospital.

- First aid facility is available in every department.

4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

- IQAC: A dedicated space is available at Kalpana Chawla Block.

- Grievance redressal unit: The office of Grievance redressal unit is located in

Aryabhatta Block.

- Women's cell: The office of Grievance redressal unit is located in Aryabhatta Block.

- Counseling and career guidance: CCPD Cell is located at Kalpana Chawla Block.

- Placement unit: CCPD Cell is located at Kalpana Chawla Block.

- Health centre: Doctor's chamber and observation room is at Bhabha Block.

- Canteen: There are 4 cafeterias in the campus catering the students and staff of each block.

- Recreational spaces for staff and students: Separate recreation rooms are available for boys and girls in the hostel

- Safe drinking water facility: Potable water is amply available in the campus whose quality & TDS is checked regularly.

- Auditorium: The auditorium of ABESEC is very spacious with an accommodating capacity of more than 500 people at one time. The auditorium is having world class acoustics and lighting system.

4.2   Library as a Learning Resource

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

Yes, the library has an Advisory Committee, the composition of which is as follows:
1. Dean , Academics as Chairman of Library Advisory Committee

2. Librarian as Member Secretary

3. Faculty member from each department

4. Student member from each department

4.2.2 Provide details of the following:

❖   Total area of the library (in Sq. Mts.): 1635 square meters

❖   Total seating capacity: 250 inside the library

❖   Working hours:

  • On working days / before examination days & during examination days: 8.30 am to 10 pm

  • On holidays / weekend / vacations: 9.30 am to 5.30 pm

❖   Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources): Yes, available

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

S. N0.	Library Holdings	Year- 2014-15		Year-2013-14		Year- 2012-13		2011-12	
		Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
a	Text book	9527	3294978	10999	3748751.00	9465	2865384.00	7989	2002429.00
b	Reference books								
c	Journals/ Periodicals	177	379079.00	177	335469.00	159	291491.00	136	290297.00
d	E-Resources	Electronic Recourses:-(1)IEEE online (2) Springer(ME) (3) Springer (EN+EC) (4) Elsevier (5) Emerald Management	1341644.00	Electronic Recourses:-(1) IEL Online (2) Springer(ME) (3) ASCE (4) Elsevier (5) Mc Graw hill, (6) ASTM, (7) J Gate (8) Emerald (9) Springer (EN+EC+CS)	1613771.00	Electronic Recourses:-(1) IEEE Online (2) Springer (ME) (3) ASTM (4) Elsevier (5) Mc Graw hill, (6) J. Gate Engg.) (7) J Gate Mgt. (8) Pro. quest (9) Springer (EN+EC+CS)	1310497.00	Electronic Recourses:-(1) Springr link 520 (INDEST - AICTE Consortium)	222430.00
e	Miscellaneous	News Papers +Study material	74951.00	News Papers +Study material	71382.00	News Papers +Study material	65382.00	News Papers +Study material	61382.00

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

*	OPAC	Yes Provided through Libsys software
*	Electronic Resource Management package for E-journals	Electronic Recourses:- (1) Elsevier (Science Direct) (2) ASTM
*	Federated searching tools to search articles in multiple database	Yea Available
*	Library website	http://117.55.241.6/library
*	In-house/remote access to e-publications	Yes provided through team viewer
*	Library automation	Computerized through Libsys software
*	Total number of computers for public access	Number of computer for public access - 18 (Eighteen)
*	Total numbers of printers for public access	Number of printer for public access - 01 (one)
*	Internet band width/ speed 2mbps 10 mbps 1 gb (GB)	Internet band width/ speed 100mbps Internal Network 1(GB)
*	Institutional Repository	National/international conference proceedings , Previous year question papers, projects/CD/DVD/Cassettes/study materials/news cliping
*	Content management system for e-learning	Yes Available
*	Participation in Resource sharing networks/consortia (like Inflibnet)	Not available

4.2.5 Provide details on the following items:

*	Average number of walk-ins	Average number of walk-ins -365 per day approx
*	Average number of books issued/returned	Number of books (issue/return) per day - 750 books approx
*	Ratio of library books to students enrolled	Ratio of library books to students enrolled - 176 books per students approx
*	Average number of books added during last three years	29991 volumes added during last three years
*	Average number of login to opac (OPAC)	Number of login to OPAC - 80-90 per day approx
*	Average number of login to e-resources	Number of login to e-resources- 135 per day approx
*	Average number of e-resources downloaded/printed	Number of e-resources download/printed - 55//12 approx
*	Number of information literacy trainings organized	Yes
*	Details of "weeding out" of books and other materials	1434 books

4.2.6 Give details of the specialized services provided by the library

*	Manuscripts	Not available
*	Reference	Yes Available

*	Reprography	Yes Available
*	ILL (Inter Library Loan Service)	Yes Available
*	Information deployment and notification	Yes
*	Download	Yes Available
*	Printing	Yes Available
*	Reading list/ Bibliography compilation In-house/remote access to e-resources	Yes Available
*	User Orientation and awareness	Yes Organized in a year
*	Assistance in searching Databases	yes
*	INFLIBNET/IUC facilities	Not available

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

Library staff circulates the list of new arrivals among the faculty members on monthly basis and display the same on notice board for student's information. Apart from the new catalogues / pamphlets of publishers is also displayed on the referral counters for renew by user community.

Library staff also assist faculty members in getting teaching resource from publisher, research appear downloading etc.

Additionally, the staff extends all out help to students in searching of books, documents, previous year question papers etc., enroll in the wait list, getting the books from other libraries etc.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

The classmates / guardian of physically handicapped students can get the book issued on his behalf and the lists of books are sent to him by e-mails.

4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)

Yes, online feedbacks are sought from students on regular intervals during a semester.

4.3   IT Infrastructure

4.3.1   Give details on the computing facility available (hardware and software) at the institution.

Number of computers with Configuration (provide actual number with exact configuration of each available system

S.No	Model	Processor	RAM	HDD	Monitor	Type	Total No.
			Desktop/Laptop/Servers Configuration				
1	Dell-390 and HP-4300	Core i5	4 GB	500 GB	19"	Desktop	400
2	VXL-Itona	Dual Core 1.86 GHz	2 GB	8 GB Flash Mem.	16"	Thin Client	567
3	HP-4000	C2D 2.93 GHz	2 GB	320 GB	18"	Desktop	150
4	Dell-330	C2D 2.4 GHz	2 GB	320 GB	18"	Desktop	100
5	HP-3090	C2D E-7500 2.9 GHz	2 GB	320 GB	18"	Desktop	100
6	HP-2080	C2D 2.2 GHz	2 GB	160 GB	15"	Desktop	50
7	Lenovo	Dual Core 3.0 GHz	512 MB	80 GB	17"	Desktop	54
8	HP-Mini 210					Laptop	10
9	HP-4410	C2D2.1 GHz,	2GB	320 GB	14"	Laptop	3
10	Lenovo Edge 420	Core i5 2.4 GHz	6 GB	300 GB	14"	Laptop	2
11	IBM X-3650	Xeon E-5620 2.4 GHz	32 GB	300x2 GB HDD	-	Server	3
12	Ncomputing X-550	65x5				Ncomputing	325
12	IBM X-3250	Quad Core 3.1 GHz	32GB	2x1 TB HDD	-	Server	6
13	HP-Envy	Core i5,	8GB	1TB	15.6"	Laptop	1
14	HP-450	Core i3 3.10	4GB	500GB	14"	Laptop	1
15	Lenovo Thinkpad X-131	AMD	2GB	320GB	12"	Laptop	3
16	Lenovo W-550	Core i7	8GB	500GB	15.6"	Laptop	1
						Total	1776

2.	Computer-student ratio	UG 1:4 PG 1:2
3.	Stand alone facility	No
4.	LAN facility	YES
5.	Wifi facility	YES
6.	Licensed software	YES
7.	Number of Nodes With Internet	75
8.	Any Other	Surveillance System, GB Speed Managed Network, Firewall Controlled 100 Mbps Internet

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

- ABESEC campus is round the clock Wi-Fi enabled.
- Wi-Fi facility in Hostels also.
- LAN facility in faculty cabins and offices.
- Institute has numerous well established internet labs having more than 1500 desktops in TCS certified 24 computer labs with latest configuration of Dell/HP/15 Intel processor/4GB.
- Faculty Residence (Located within the campus) is also Wi-Fi enabled.

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

To further increase the bandwidth of internet facility.
- To convert and upgrade all classrooms and lecture theaters into smart and hi-tech class rooms.
- To deploy 'Smart corridors'.
- To upgrade e-learning software and resources for further improvement in teaching learning facilities.
- Upgradation of Virtual labs.
- Upgrading the ERP system to maintain HR, accounts, students records, official information etc so as to introduce paperless day to day working.
- To further promote video conferencing and webinars.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Session	S.No.	Heads	Sub Heads	Proposed Budget	Expences During Session	Difference	Remarks
			Servers		545000		
	1	Hardware	Systems & Monitors		710646		
			Network Equipments and Accessories		1114520		
			CCTV Cameras and Accessories		149001		
			Projectors and Accessories		1151925		
			Biometrix Machines and Accessories		89000		
			Scaneers		36680		
			Computer Accessories		214826		
			Laptops		96000		
			Laptop Accessories				
			UPS's		461700		
			UPS Batteries		178915		
			PA Systems				
			Spakers				
2011-2012			Micks				
			Printers		215472		
			TV's				
			Photocopiers				
			Others				
		Software			1612200		
		Services	Internet 16 Mbps		529440		
		IT Maintinance			17475		
					7122800		

Session	S.No.	Heads	Sub Heads	Proposed Budget	Expences During Session	Difference	Remarks
			Servers				
	1	Hardware	Systems & Monitors		7352800		
			Network Equipments and Accessories		2014937		
			CCTV Cameras and Accessories		54000		
			Projectors and Accessories		1294167		
			Biometrix Machines and Accessories		99000		
			EPBAX & Accessories		304395		
			Scaneers		23319		
			Computer Accessories		271795		
			Laptops				
			Laptop Accessories				
			UPS's		779400		
			UPS Batteries		57600		
			PA Systems & Spakers and Accessories		424255		
2012-2013			Micks		390330		
			Printers		130955		
			TV's		198000		
			Photocopiers		181905		
			Others		435803		
		Software			2009213		
		Services	Internet 44 Mbps		846444		
		IT Maintinance					
					16868318		

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Session	S.No.	Heads	Sub Heads	Proposed Budget	Expences During Session	Difference	Remarks
			Servers		644265		
	1	Hardware	Systems & Monitors		7986854		
			Network Equipments and Accessories		4027900		
			CCTV Cameras and Accessories		200776		
			Projectors and Accessories		814234		
			Biometrix Machines and Accessories		49248		
			EPBAX & Accessories				
			Scaneers		15750		
			Computer Accessories		270000		
			Laptops & Accessories		494285		
			UPS's		534272		
			UPS Batteries		503000		
			PA Systems & Spakers and Accessories		197610		
2013-2014			Micks & Accessories		16600		
			Printers		113314		
			TV's		198000		
			Photocopiers				
			Others		62410		
		Software			1498051		
		Services	Internet 60 Mbps		813976		
		IT Maintinance			74315		
					18514860		

Session	S.No.	Heads	Sub Heads	Proposed Budget	Expences During Session	Difference	Remarks
			Servers		129905		
	1	Hardware	Systems & Monitors		1600593		
			Network Equipments and Accessories		3303871		
			CCTV Cameras and Accessories		937938		
			Projectors and Accessories		380600		
			Biometrix Machines and Accessories				
			EPBAX & Accessories		419490		
			Scaneers				
			Computer Accessories		188927		
			Laptops & Accessories		20000		
			UPS's		1050400		
			UPS Batteries		255366		
			PA Systems & Spakers and Accessories		1006579		
2014-2015			Micks & Accessories		20060		
			Printers		396025		
			TV's		171052		
			Photocopiers				
			Others		8250		
		Software			3067365		
		Services	Internet 100 Mbps		1023000		
		IT Maintinance			103120		
					14082541		

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

All the classrooms, seminar halls and certain laboratories are equipped with multimedia projectors.

- Faculties are facilitated to prepare computer-aided teaching/learning materials and use them as an effective tool along with regular black board teaching methods. Lecture delivery schedule provided by the office of Dean Academics also demands the use of computer-aided teaching/learning materials.
- Institute facilitates the use of video lectures through NPTEL, IUCEE.
- ICT based FDPs and webinars are instrumental in enhancing effective teaching learning processes.
- Google apps like google drive are regularly used to share the data.
- Institute is also planning to record the lectures and can be uploaded which may be a help for students.
- Students are encouraged to give presentations by using multimedia projectors.
- Students are prompted to visit the links for video lectures, simulations etc to have the better understanding of the content.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- Institute encourages faculty members to use teaching learning resources like power points, animations, simulations which help students to understand the content well. However, these are used as add-ons along with regular chalk and talk Methodology.
- Institute has established remote virtual lab, e-Yantra lab, an initiative by IIT, Bombay where students are guided for several projects.
- The institute has organized several ICT based faculty development program in association with NITTTR, Chandigarh (NMEICT, MHRD, Govt. of India). Such courses broaden the academic horizon of the faculty members, which ultimately helps the students for sharing knowledge.

One such sample program was hosted by Electronics & Communication Engineering department, "ICT based Faculty Development Program on "3G MOBILE SYSTEMS" in association with NITTTR, Chandigarh (NMEICT, MHRD, Govt. of India) 16th to 20th March, 2015.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

National Knowledge Network Connectivity is not available. However, college has abundant Internet Bandwidth (80 Mbps).

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

The allocation/actual expenses made on maintenance and upkeep of the infrastructure is detailed below:-

ABES Engineering College, Ghaziabad						
Cumulative Gross Value /Gross Block of Assets as on 01.04.2010 To 31.03.2014 (Rs. In Lacs)						
S. No.	Particulars	2010-2011	2011-2012	2012-2013	2013-2014	Total
A	Building	434.68	308.01	245.8	985.69	1,974.17
B	Furniture's	29.82	9.44	137.21	51.86	228.34
C	Equipments:-					
1	Electric Installation	11.64	11.23	46.2	57.19	126.26
2	Air Conditioners	7.12	6.67	11.52	13.28	38.59
3	Black Board	-	1.84	2.13	0.79	4.76
4	Fan Imported (5 airfoil blades)			-	2.88	2.88
5	Fax Machine	-	0.16	-	-	0.16
6	Generator	34.38	-	0.89	-	35.26
7	Kitchen Equipments	-	-	-	0.14	0.14
8	Office Equipments	2.23	9.04	16.66	6.21	34.13
9	Projector	5.53	11.42	6.3	4.19	27.44
10	Tools & Spares	0.14	0.34	0.15	0.44	1.07
11	Zerox Machine	-	-	2.65	-	2.65
12	Water Cooler	1.8	-	4.91	2.1	8.81
13	Water Tank	-	0.87	1.24	5.64	7.76
14	P. A. System	3.49	-	7.97	1.52	12.98
15	EPBX System	-	-	3.04	-	3.04
16	Submersible Pump Set	0.23	-	0.63	0.7	1.55
S. No.	Particulars	2010-2011	2011-2012	2012-2013	2013-2014	Total
17	Lift	3.75	-	-	-	3.75
18	LCD TV Screen	-	-	-	0.37	0.37
19	Civil Lab Equipments			12.27	3.88	16.15
20	Chemical Equipments	1.65	-	-	-	1.65
21	Electrical Equipments	1.75	4.53	2.23	20.6	29.11
22	Electronics Equipments	0.27	0.13	23.3	1.78	25.48
23	Lab Equipments- EN			-	36.3	36.3
24	Lab Equipments- CS			-	4.52	4.52
25	Mechanical Equipments	0.02	-	1.46	4.74	6.22
26	Micro wave Lab Equipment	-	0.55	-	0.01	0.56
27	Physics Equipments	0.05	-	1.28	0.68	2.02
28	Fire Prevention	6.73	4.09	9.36	5.37	25.54
29	Diesel Tank	-	1.85	-	-	1.85
30	WI-FI Access Point			-	9.12	9.12

31	Scanner Machine	-	0.31	-	0.08	0.39
	Total of Equipments	80.77	53.04	154.18	182.51	470.5
D	Computers	65.15	58.44	107.03	123.62	354.24
E	Vechicle	-	22.19	-0.54	16.78	38.43
F	Any Other					
1	Books (Library)	16.81	20.54	28.21	37.98	103.53
2	Land	1.21	-			1.21
3	Building Under Constrution	63.37	168.54	754.94	422.33	1,409.19
4	Electric Under Installation	-	29.95	30.95	16.2	77.09
	Total of Any Other	81.39	219.02	814.09	476.51	1,591.02
	Total :-	691.81	670.14	1,457.78	1,836.96	4,656.69

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

- Maintenance Office takes care of civil, electrical and other office equipment.
- Check-ups are carried out in scheduled manner.
- Complaints are registered at a designated place and are attended by the concerned department under the supervision of maintenance section.
- Minor repairs are carried out by in-house staff.
- Electrical Staff: 08; Workshop Staff (Mason/Carpenter/painter/welder etc.): 40;
- Plumber: 02
- Routine cleaning of premises including toilet blocks is carried out by contract labors.
- Routine cleaning of water tanks, coolers and filters is carried out as per schedule.
- Electrical Load distribution and other electrical installation are carried out under the supervision of Dean Administration.
- The civil works are carried out by the in-house team.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

The calibration process will be taken up by each department for various equipments as per the time frequency suggested by the supplier.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

- The generator available in the institute helps in continuous power supply without any hindrance.
- The computer systems and other sensitive equipment are provided with UPS systems so that power failure will not cause any damage.
- All precautions are taken to protect the precision equipment by providing voltage stabilizers and individual MCB's. Covers are provided where-ever needed to keep the sensitive equipment in dust free environment.
- Continuous water supply is ensured pure drinking water supply through RO Plant systems in the College premises and hostel premises

- The College electrician and the supporting staffs are responsible for the upkeep of electrical equipments and their maintenance.
- The institution has a separate RO system to ensure pure water supply for students and faculty.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes.
- Institution publishes its updated prospectus annually. However, the 'Rule & Regulation Handbook' is published as and when revision is required.
- It covers the detailed aspects like institution profile, academic program, value added program, training and placement, extracurricular activities, clubs, annual fests, code of conduct, rules and regulations prescribed for the day scholars and the hostellers.
- The institute newsletter serves as a platform to update the students regarding various events and occurrences of the institute.
- The institution ensures its commitment and accountability of the content of the prospectus and handbook by office of the Proctor and Registrar.

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Institution spends significant amounts for the benefit of students in the form of scholarship and free ships. The details of awards given by the college is as under:-

Sr.no.	Name of Award given by management	2010-11		2011-12		2012-13		2013-14	
		Count	Amount (Rs.)	Count	Amount (Rs.)	Count	Amount (Rs.)	Count	Amount (Rs.)
1	University Toppers	02	44000/-					03	93000/-
2	College Toppers	43	Gold & Silver Medal	42	Gold & Silver Medal	44	Gold & Silver Medal	46	Gold & Silver Medal
3	Individual Awards	10	26000/- + Gold & Silver Medal	10	26000/- Gold & Silver Medal	09	26000/- Gold & Silver Medal`	09	31000/- Gold & Silver Medal

5.1.3 What percentage of students receive financial assistance from state government, central government and other national agencies?

In our state (Uttar Pradesh), the economically weaker section people whose wards undertake higher studies, their tuition fee as approved by the government is reimbursed by Social Welfare Department of the State. As per the current guidelines the eligible students apply through the college and receive the tuition fee directly into their saving accounts from Social Welfare Department. The details of application submitted under various categories in the last four years is given below:-

SR. NO.	COURSE	CATEGORY	2011-12	2012-13	2013-14	2014-15
			NO. OF STUDENTS APPLIED	NO. OF STUDENTS APPLIED	NO. OF STUDENTS APPLIED	NO. OF STUDENTS APPLIED
1	B.TECH	SC & ST	156	215	213	204
	MCA		7	7	11	7
	MBA		18	19	14	4
	M.TECH.		0	1	0	0
Total			**181**	**242**	**238**	**215**
2	B.TECH	GEN	293	346	445	464
	MCA		148	119	7	58
	MBA		40	59	51	40
	M.TECH.		1	6	85	7
Total			**482**	**530**	**588**	**569**
3	B.TECH	OBC	241	275	420	395
	MCA		94	55	58	35
	MBA		41	41	40	14
	M.TECH.		6	1	3	4
Total			**382**	**372**	**521**	**448**

5.1.4 What are the specific support services/facilities available for

Students from SC∕ST, OBC and economically weaker sections
- Fee concession for economically weaker sections
- Fee concession and scholarships for SC / ST / OBC students as per the rules of the state of U.P. and Government of India whichever is applicable.
- From the above students, the students who are academically needy, are provided with special academic support by the faculty members.

Students with physical disabilities
- The institution provides ramps and lifts for the assistance of physically disabled students.

Overseas students: Not Applicable
Students to participate in various competitions∕National and International

The institute always encourages students to participate in competitions both nationally and internationally. Benefit of attendance and other academic facilities are provided for students to participate in events. The students are reimbursed with the competition fees, project cost, travelling expenses, boarding & lodging charges, and purchase of equipment as a support for participating in various national and international competitions.

Medical assistance to students: health centre, health insurance etc.
- The institution has a well-established medical cell with a competent medical officer.

- The medical cell consists of few beds, emergency medications, and ambulance facility along with stretchers and wheel chairs to meet any emergencies.
- The institution has tie up with multispecialty hospitals in and around NCR region.
- Insurance is provided for all students under Group Mediclaim Policy, by Religare Health Insurance Company.

Details of the scheme are as follows:

S.No.	Benefit	Covered
1.	Maximum Sum insured	INR 300000/- (Three Lakhs only)
2.	No limit of accidents in a year	Up to INR 30 k per accident per Student; maximum limit is 60k ; Student (for minimum 24 hrs. hospitalization only)
3.	Medical Expenses (accidental hospitalization)	Fixed up to INR 30 k (hospitalization only; up to INR 5000 for OPD or actual whichever is lower)

Organizing coaching classes for competitive exams
- Institute has planned for special classes for students appearing in GATE and PSUs. Students are endorsed to have access to library and to refer the books related to entrance test.

Skill development (Spoken English, Computer Training, etc.)
- Personality Development Programs, Language classes, and soft skill courses are regularly conducted in the institute.
- Special program like Student Employability enhancement Program (SEEP) and Aptitude Skills Enhancement Program are conducted to orient the students towards employability.
- Summer trainings in special and important areas like Basic Embedded, Advanced Embedded, Data structure and Algorithm Design, Core Java etc. are conducted during vacation for students to enhance their innovative skills.
- Institute has established Centre of Excellences (COEs) like SAP Academy, Microsoft IT
- Academy, Cadence Design Systems and Impetus Infotech Limited, Tata Consultancy Services, IBM Centre of Excellence, Rockwell Automation, USA and Aspiring Minds to develop the technical skills of the students and to prepare them for industry.

Support for "slow learners"
- Extra classes and special classes are scheduled apart from the regular time table.
- Supplementary study material is provided.
- Series of practice tests are held to continuously monitor the progress of slow learners.

Exposure of students to other institution of higher learning/ corporate/business house etc.
- Students are taken on a regular basis to industrial or field visits to get better exposure of practical and real situations.
- Students are encouraged to participate in technical/Cultural fests, paper or poster presentation in conferences and seminars of other institutions.

- Institute hosts different technical lectures by inviting experts from reputed industries and other institutions of higher learning. Institute also has student chapters with various reputed institution like ICEIT, IEEE –MTTS, IST, CSI, IEI (Mechanical) etc.
- Students are encouraged to take up projects related to their subject and also of their interest to get the real picture of technology.

Publication of student magazines
- The institute provides opportunity to the students to publish their articles in the monthly newsletter.
- Students are also the part of editorial board of the newsletter.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- The institute has a well-established entrepreneurship cell founded in the year 2009 with a financial grant of around Rs. 24 Lakh from AICTE. The mandate of the Cell includes activities to promote entrepreneurship among and students and faculty members and encourage them to be job providers rather than being job seekers.
- The institute has signed an MOU with National Entrepreneurship Network (NEN) in the year 2012 to leverage their vast cache of resources.
- The institute hosts Ministry of Small and Medium Enterprises (MSME) recognized and funded Technology Business Incubator (TBI). TBI provides infrastructural support in terms of office space and laboratories to help budding entrepreneurs develop their ideas into concrete products.
- Apart from other student and faculty initiatives TBI at present is hosting four MSME funded business ventures. The total financial support to all the four ventures from MSME is around 23 Lakh.
- The programs hosted by the institute are not merely limited to lectures and workshops but also include handholding of start-ups in order to help them reach their logical conclusion of a financially viable business entity.
- DATA REGARDING TRAININGS STUDENTS HAVE UNDERGONE FOR entrepreneurial skills AND NUMBER OF STUDENTS WHO HAVE DEVELOPED INTO ENTREPRENEURS…FROM CCPD

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

The institute encourages and promotes the participation of the students in various activities. There are a number of cultural, sports and technical fests which are annually organized to enhance extracurricular and co-curricular participation of students. Some of which includes: Techno-cultural fest like Genero, sports fest-Utsaah, departmental cultural and literary fests like fest with zest, potpourri, SPIC MACAY; to promote Indian culture and art among the students and other events like Mythos, GD Sessions, Turn the Coat, Debate Competitions etc.
Additional academic support, flexibility in examinations

- Academic assistance is provided to those students who participate in various extra and co-curricular activities.
- The participative students are provided with attendance to encourage their participation.
- Extra-classes are held for them to come at par with other students.
- Flexibility in the exam schedule is also applicable to those students.
- Extra benefit to these students in terms of marks is provided to them as a part of general proficiency marks.

Special dietary requirements, sports uniform and material are provided to students.

- The students are provided with t-shirts/college track suits of different colours based on their departments.
- During cricket tournaments white t-shirts/caps are provided to them.
- Dietary supplements in the form of fruits and juices help the students to a great extent.
- Special consideration is given in the hostel mess to the participating students.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

- The students are encouraged to appear in various competitive examinations.
- Students who are interested and willing to appear in various competitive examinations are mentored by the teachers in matters of study material and counseling for the right strategies.
- Institute has also planned for special classes for students appearing in GATE and PSUs.
- Information to students is disseminated through circulars, group mails and Notice Boards.
- Students are endorsed to have access to library and to refer the books related to entrance test.

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)

- Institute has a strong Mentor-Mentee system which is established with the aim of providing guidance to students on academic matters and to foster a close and constructive professional relationship between students and the faculty members.
- Each faculty member (2nd -yr onwards) is assigned the responsibility of a mentor to a small group of students (mentees). A sample of which is attached below:

		Mentor list,	Session 2011-12		
Sr. No	Roll No	Name of Student	Sec	Year	Mentor
1	1003231001	Abhinav Pandey	A	2nd	
2	1003231002	Abhishek Pandey	A	2nd	
3	1003231003	Abhishek Vashist	A	2nd	
4	1003231004	Aishwary Verma	A	2nd	
5	1003231005	Ajay Kumar	A	2nd	
6	1003231007	Ajay Pratap Singh	A	2nd	
7	1003231008	Akshay Raj Saxena	A	2nd	
8	1003231009	Amish Agarwal	A	2nd	
9	1003231010	Amit Kapoor	A	2nd	
10	1003231011	Amit Sharma	A	2nd	Mr. Sanjay Mahawar
11	1003231012	Anand Verma	A	2nd	
12	1003231013	Ankit Katiyar	A	2nd	
13	1003231014	Anshul Jindal	A	2nd	
14	1003231015	Anubhuti Mittal	A	2nd	
15	1003231016	Anurag Bhardwaj	A	2nd	
16	1003231017	Anurag Bhardwaj	A	2nd	
17	1003231018	Arvind Chaudhary	A	2nd	
18	1003231019	Ashish Gupta	A	2nd	
19	1003231020	Ashish Sharma	A	2nd	
20	1003231021	Ayush Singhal	A	2nd	

- The performance of mentees including attendance, academics, extra-curricular, sports and other observed by the mentors.
- Format of Mentor-Mentee interaction is below:

Mentor-Mentee Interaction

1. Information of Mentee:
   Name:
   Roll No.:
   Mobile No.
   Email ID:
   Hostler/Day Scholar
2. Result
   X :
   XII
3. Fathers' Name:
   Mobile No:
   Address:
   Father Occupation:
4. Result Summary in B.Tech.

Session	Year	semester		Year's Result (%)	Status (Pass/PCP)
		Odd %	Even %		

Any Observation:
5. Attendance Summary:

Session	Year	semester		Year's Attendance (%)	Status Debar/Detained
		Odd %	Even %		

Record of Interaction

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Date	Observation	Action Taken

- The institute also has a counseling cell to help and guide the students.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the program).

Center for Career Planning & Development (CCPD)
The center established at ABESEC caters to develop and work for strong industry-Academia interface. CCPD, with the feedback and help of corporates. Ensures that the teaching-learning procedures maintain a minimum teaching standard and teaching is imparted with the latest tools available, incorporating all elements with enable the students to become well suited for the job market. In order to explore student's abilities to the fullest, events like group discussion, lectures by the specialists in communication skills, confidence building, stress and time management and attitudinal development are organized. This subsequently moulds them as per competitive market requirements and making the student feel confident by developing in them both leadership qualities as well as managerial skills and still be sensitive to human compassion. Besides all such activities, the CCPD curriculum lays emphasis on case studies and practical training over the full academic calendar year without affecting the normal schedule of teaching. The center is independent unit with dedicated and experienced staff, taking decisions to facilitate carrying out the responsibilities and achieving its aims and objectives.

The CCPD plans, promote and execute an effective partnership between the institution and the industry.

- ➤ **Accredited by TCS (Tata Consultancy Services)** for campus recruitment procedures and Faculty Development program.

- ➤ Selected by NASSCOM Regional Council Noida as one of the six engineering colleges in NCR region for industry-Academia Partnership program.

- ➤ ABESEC is the only institution to have partnered with **TWO** prominent industries, **Cadence Design Systems** and **Impetus Infotech**.

- ➤ **Cadence Design System.** Noida under the guidance of Mr. Sauget Sen, vice President (R&D) and his team and Prof. A.K. Arora HOD (ECE) guided 60 students of ECE department on live projects.

- ➤ Platform provided by **Impetus Infotech** for interactive sessions with students, resulted in recruitment of 10 students by the company.

- ➤ **Impetus Infotech** Sponsored 2nd National Conference on Cloud Computing, which was organized on 13th April 2013.

- ➤ The **IBM Center of Excellence** was established on 4th Dec., 2012. It was jointly inaugurated by Prof. S.L. Kak admired the joint effort of college management

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and IBM India to bring the industry and academia closer to each other.

➤ **Industrial Automation Research & Training Center** was inaugurated on 4th Dec., 2012 by Prof. S.K. Kak (VC, MTU< Noida) and Mr. Dilip Sawhney (Regional Director, Rockwell Automation Noida). ABES-EC is proudly the first college in MTU affiliated institution to have this centre in its campus.

➤ **Microsoft IT Academy** is a comprehensive in campus program that supports ongoing technology education for all. Under this program students are being provided in-campus training in new technologies launched by Microsoft that are not the part of university curriculum. This will help students secure jobs in latest technologies. The training available is at much reduced cost and is inbuilt in the regular timetable.

➤ **SAP uAcademy** to offer various SAP courses online, which can be taken in the ABESEC campus as convenient timings at a reduced price. The online training is designed to give students the privilege of self-times pace and self-times revision.

The data of placement 2010 to 2014 is as under

s.no.	course		total student	student with throughout 60% marks	total placed students	% placed
1	B.Tech		446	299	208	70
2	MCA	2010	117	44	31	70
3	MBA		60	28	27	96
1	B.Tech		420	438	264	60
2	MCA	2011	180	177	57	32
3	MBA		177	59	57	97
1	B.Tech		484	370	177	48
2	MCA	2012	172	41	41	100
3	MBA		60	10	6	60
1	B.Tech		556	371	189	51
2	MCA	2013	178	25	23	92
3	MBA		176	57	57	100
1	B.Tech		544	419	236	56
2	MCA	2014	178	117	117	100
3	MBA		232	146	146	100

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

- Institute has a Student's Affair Committee where all the student's grievances are reported and redressed.
- The committee includes faculty members of all departments and the student representatives.
- Meetings are held regularly to address the student grievances.
- The students are free to lodge their complaints freely and directly to the committee head. The necessary actions are taken after issues are discussed in the concerned cell.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

- Institute has a Women Grievance Cell which works to create an environment in the campus to help women feel safe and confident.
- The cell looks into any matter related to harassment of the women faculty and students.
- The institution has all rights to handle very strictly against sexual harassment cases if any.
- Various workshops, seminars, interactive sessions are conducted regularly to create awareness among girl students about their rights for getting a conducive and safe working environment.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

As per All India Council for Technical Education (AICTE) notification no. 37 – 3/legal/AICTE /2009 dated 01.07.2009 every educational institution imparting technical education shall constitute an Anti-Ragging Squad for prevention and prohibition of ragging.

The guide lines are religiously followed and every year we frame the committee and assign duties to them for checking Ragging in the campus.

Anti-ragging squad makes its plan and course of action for maintaining vision, our site, patrolling and remain mobile, alert and active at all time for prevention of ragging. There has been no case of ragging from the last four years.

Copy of the circular is attached.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

- *Bank Services*
  In collaboration with Punjab National Bank, the institution assists all the students in opening an account with a zero deposit. It empowers students to transact through the bank in the globalized world. It is helpful in availing educational loans. It also serves as an identity card. A Punjab National Bank ATM is available in College Premises.

- *Counseling & Placement Service*
  The main endeavor of Placement Cell, CCPD is to get students placed in reputed conglomerates, government Officialdoms, NGO's and the private sector. The Placement cell liaisons with corporate organizations to provide suitable jobs and internship for the candidates completing their studies from ABESEC. The Placement Cell also conducts seminars and workshops to enable the students of ABES Engineering College to become successful professionals.

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- *Value Added Program*

Institute has various value added program to orient the students towards research and employability. SPARK is one of the programs of the institute which aims to promote research at the under graduate (UG) level. Institute has established various Centre of Excellences (COEs) like SAP Uacademy, Microsoft IT Academy, Cadence Design Systems and Impetus Infotech Limited, Tata Consultancy Services, IBM Centre of Excellence, Rockwell Automation, USA, and Aspiring Minds which provide in house trainings in newer technologies and help students secure jobs in latest technologies.

- *Refreshment Outlets*
  The college has several refreshment areas like D's café, mother dairy outlet to cater the needs. There is a canteen which provides wholesome food to the students at subsidized rates. Quality of food is assured by the canteen committee which monitors the working of the canteen.

- *Medical Facilities*
  The institution has a well-established medical cell and has tie ups with multispecialty hospitals in and around NCR region.

- *Insurance cover by College and University*
  Institute provides insurance for all students under Group Mediclaim Policy, by Religare Health Insurance Company. University also provides insurance to the students under the scheme 'CHAATRA KALYAAN NIDHI'. The institute assists in claiming and retaining the insured amount in case of any mishappening.

- *Benevolent Fund and Scholarships*
  Institute provides scholarships to meritorious students. There is also has a provision of providing benevolent fund to economically needy students.
- Facility provided by the railways is completely transferred to the student by college.

- Institute also provides facilities like sports, yoga club and mechanized gymnasium to the students.

5.1.13 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

Yes, Institution has a registered Alumni Association.
The association is registered with the Registrar of Society, Meerut with specified organization and by laws.
For efficient functioning of the association, and a general body meeting is organized annually.
Certain key contributions of alumni association are:

a. Regular interaction to provide them insight about 'What industry expects from the employees, thus empowering them to acquire industry specific training and develop the aptitude.

b. Lectures/ seminar on latest technologies by alumni well placed in reputed companies.

c. Seminars to guide students for studies abroad

d. Guide students to prepare for various competitive examinations including IES and PSUs

e. Persuade their employers to send recruitment teams to ABES EC for campus placement

f. AAA is also running a NGO called HUHC (Help us to Help a Child) which educates the poor children.

5.2   Student Progression

5.2.1   Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

STUDENT PROGRESSION				
	YEAR			
	2011	**2012**	**2013**	**2014**
UG TO PG	50	108	79	31
PG TO PH.D		03	01	
EMPLOYED	281	224	239	499

5.2.2   Provide details of the program wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish program-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

S.No.	Year	Branch	No. of Students Appeared	Passed	I Class with Distinction	I Class	II Class	% of Pass
1	2014-15	CE						
2		CSE						
3		ECE		RESULT YET TO BE DECLARED				
4		EN						
5		IT						
6		ME						
7	2013-14	CE		NOT APPLICABLE				
8		CSE	135	131	28	121	10	97.04
9		ECE	133	129	36	125	4	96.99
10		EN	121	116	14	108	8	95.87
11		IT	55	52	11	49	3	94.55
12		ME	98	92	10	90	2	93.88
13	2012-13	CE		NOT APPLICABLE				
14		CSE	138	123	28	117	6	89.13
15		ECE	140	130	26	126	4	92.86
16		EN	124	113	11	107	6	91.13

17		IT	54	48	9	46	2	88.89
18		ME	97	89	6	88	1	91.75
19		CE	NOT APPLICABLE					
20		CSE	138	134	39	129	5	97.10
21		ECE	142	138	24	134	4	97.18
22	2011-12	EN	64	61	7	57	4	95.31
23		IT	61	59	14	57	2	96.72
24		ME	72	65	11	64	1	90.28

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

- The institution motivates the students for higher study and research by providing special support and extra care for their preparation for GATE, CAT, GRE or any other competitive examinations.
- Extra classes are also planned for students preparing for GATE and PSUs.
- Special program like Student Employability enhancement Program (SEEP) and Aptitude Skills Enhancement Program are conducted to orient the students towards employability.
- Institute has established Centre of Excellences (COEs) like SAP Ucademy, Microsoft IT Academy, Cadence Design Systems and Impetus Infotech Limited, Tata Consultancy Services, IBM Centre of Excellence, Rockwell Automation, USA and Aspiring Minds to develop the technical skills of the students and to prepare them for present industrial needs.
- The institute hosts several training program under the umbrella of its innovation program SPARK. These summer training program includes: Advanced PHP, Algorithmn design and data structure, core java, embedded system design and prototyping using Aurdino, embedded system design and prototyping using Raspberry-pi.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

- Students who are at the risk of failure and drop out are identified by the faculty members and special attention and counseling is given to them.
- Extra classes and special classes are scheduled apart from the regular time table.
- Series of practice tests are held to continuously monitor the progress of such students.
- Parents/Guardians of such students are intimated after every assessment and are requested to meet the concerned authorities to have constructive discussion about their ward.
- These students are also counseled for imbibing positivity, confidence and self-esteem in them.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

- Extra-curricular and co-curricular activities are the hall mark of the institution,
- Institute has different clubs including sports, NSS, cultural, literary, dramatics, hobby, literary etc.
- Each club has a club counseller to monitor the activity of the club.
- List of clubs and their respective coun
- sellers for the year 2014-15 are attached below:

CLUB	Club Counsellor
NSS	Dr.DevendraArya
YOGA	Mr. AshishSharma
ROBOTICS	Mr. VivekVerma
LITERARY	Ms. Anubha
CULTURAL	Ms. Madhvi Gaur
HOBBY	Ms.Taru Maheshwari
PUBLISHING	Ms. ArpitaJohri
RESEARCH & ANALYSIS	Mr. Pankaj Sharma
DRAMATICS CLUB	Dr. Neerja Jindal

- Activities are regularly conducted throughout the year.
- Program calendar for the year 2014-15 is attached below:

Proposed Plan of Club Activities during Even Sem. 2014-15					
Club Name	Event Name	January	February	March	April
NSS	Swachha Bharat Jagrukta saptah		(2 hours in every week) every month		
	Cancer Awareness Rally		15th Feb'15		
	Health Awarness Program (General Check-up Camp			27th March'15	
	Free Eye & Dental Check-up Camp				10th April'15
	Dustbin Decoration/Designing Drive		24th Feb'15		
Cultural	Solo Singing (R-1)		18th Feb'15		
	Solo Dance (R-1)		25th Feb'15		
	Group Dance (R-1)			11th March'15	
	Antakshari (R-1)			18th March'15	
	Solo Singing (R-2)			20th March'15	
	Solo Dance (R-2)			25th March'15	
	Group Dance (R-2)				1st April'15
	Antakshari (R-2)				10th April'15
	Grand Finale of Potpourri'15				18th April'15
R&A	Based on Natural Disaster				10th-11th April'15
	ACM Great Business Challenge 2015				24th-25th April'15
Hobby	Poster Competition on Spark	31st Jan'15			
	Art Camp		28th Feb' 15		
Yoga	Workshop on Yoga Excercises		After College Hours, In Front of Faculty Residence)		
Publishing	News Letter		Monthly & Quaterly		
	Quaterly Edge				
Dramatics	Drama 'Teeda Rao'		13th Feb'15		
	Drama				2nd week
Literary	Resume Writing	27 Jan-2 Feb'15			
	Debate for Promotional activity of Spark	30th Jan'15			
	Sketching with Writing		12-19 Feb'15		
	Hindi Diwas		16th Feb'15		
	Group Discussion		18, 19, 23, 24 and 28 Feb'14		
	Best Out of Waste		23-27 Feb'15		
	Intra College MUN (Modal United Nations)			2nd week	
	Book Donation Camp			16-20 March'15	
	Thematic Role Play				
	Application Writing				16-23 April'15
Robotics	Workshop on PCB designing		2nd week		
	Arduino with hands on interfacing			2nd week	
	Getting starting with raspberry pi			Last week	
	Introduction to e-yantra firebird V bot				2nd week
	Embedded System Competition				3rd week

- There are number of games and sports facilities available to the students. These include: large stadium for football, cricket, volley ball. Individual courts for lawn tennis, basketball, and badminton. Also, indoor games like table tennis, snooker etc.
- List of number of participants for the year 2014-15 are:

Sr.No.	EVENTS	No. Of patricipants (Boys/Girls)
1	Cricket	90
2	Football	80
3	Basket Bal	140
4	Volley Ball	135
5	Kho-Kho	130
6	Kabaddi	36
7	Athletics	105
8	Badminton	50
9	Table Tennis	60
10	Chess	15
11	Carrom	20
12	Snooker	10
13	Billiards	10
	Total	881

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

The college provides full support both financial as well as academic to the students took participate in various co-curricular extra-curricular activities. The status of achievers is reflected below:-

S.No.	Name	Branch / Year	Name of Even / Tech Fest	Participated in	National / International	Attended Date	Attended Venue	Award
1	*Ashutosh Aggarwal[1],* Nikita Aggarwal[2] Syed Absar Ahmed[3]	CSE 4th	TCS Codavita 2012	TCS Coding Contest	National	03rd Sept. 2012	TCS Pune	
2	*Vaibhav Dubey[1]* Sandhya Bhat[2] Suyash Pandey[3] Shivangi[4] Kuldeep Gupta[5]	CSE 3rd	Antaragni-2012 English Literary Events	Gladius for Gladius, the Parlimentary Debate	National	11-14 oct.2012	IIT, Kanpur	
3	*Vaibhav Dubey, Suyash Pandey Kuldeep Kumar Shivangi Sandhya Bhat*	CS - IIIrd year EC-IIIrd year EC-IIIrd year ME-IIIrd year CS-IIIrd year	The Events of Antaragni'12,the Annual Cultural Festivalof IIT Kanpur.	Gladius for Gladius, the English Parlimentary Debate, Short Movie Making (Chronica),Hindi word game (Saptarang),Sports Quize, On spot photography ,creative english writing,hindi poem writing,solo dance,hindi picture perception	National	11-14th oct-2012	IIT Kanpur	No
4	Shyam Arora Vikrant Bajpai Tushar Verma Shashank	EEE	Tech NIT	Battleshp	National	15th - 17th Feb. 2013	Dr.B.R. Ambedkar National Institute of Tech., Jalandhar	They stood 2nd Prize
5	Abhilasha Gupta	EC 4th	Innovation - 2013	A National level Project Competition "C++ Based Key Optics Totor"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	
6	*Sawan Singh[1]* Roshan Nagbanshi[2] Rahul yadav[3] Ruby[4] Sabhyata Kulshreshtha[5]	EEE 4th	Innovation - 2013	A National Level Project Competition on "Home Gas Security System"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	They stood First Position

7	**Shubham Gautam** [1] Vinod Singh [2] Tushar Shrivastava[3] Saksham Gupta[4] (Captain) Shivam Gupta [5]	EEE ME ME CS EEE	Ojasvat 2014	Table Tennis		25th-26th March 2013	Sharda University	No
8	**Shashank**[1]	EEE 2nd	Robocalypse of Techniche 2013	Technical Fest "Robocalypse"	National	30th Aug. - 01st Sept. 2013	Indian Institute of Technology , Guwahati	They stood 2nd Prize
9	*Sameer*[1] Paras Sachdeva[2]	IT CS	TCS Codevita'13 Final Round	C Devita 2013	National	1st Sept. - 04 Sept. 2013	TCS Yantra Park, Thane , Mumbai	No
10	***Akash Puri*[1]** Prakhar Bansal[2] Tulika Aggarwal[3] Varsha Agarwal[4]	IT IV CS CS CS	IBM The Great Mind Challenge 2012	The 2013 Smarta Planet challenge	International	6th Nov. - 8th Nov. 2013	"IBM ,EMBASSY GOLF LINK PARK, BANGALORE" "IBM India P. Ltd. , Banglore	No
11	**Uarvarshi Kaul**,Palak sharma,Saumya Agarwal,Shilpa Jain	CSE	Proceedings of the 3rd International conference on Soft Computing for Problem Solving	Soft Computing for Problem Solving	International	26-28th-Dec-2013	Saharanpur Campus of IIT Roorkee, Greater Noida	No
12	Akash Puri1	IT	The 2013 Smarta Planet challenge	**EMANDI-Smarter Conmerce**	International	20th Nov. - 1st Dec. 2013	Co-presented by-IBM, IEEE Advancing Technology for Humanity	No
13	Shubham Rungta	CS	48th CSI Annual Convention 2013	**A comparative Analysis of a New Approach to a existing one**	International	10-13th-Dec-13	Vishakhapatnam	No
14	***Umashanker Chaudhary*[1]** Pooja Yadav[2]	CS EC	BP Singhal Memorial Sports Tournament (2nd) 2014	Chess & Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	got first prize in chess and second prize in badminton

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15	**Kushagra Saxena[1]** Aviral[2] Nidhish[3] Ankit Shriwal[4]	ME EC EC CS	BP Singhal Memorial Sports Tournament (2nd) 2014	Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	No
16	**Jyoti Yadav[1+]** Rajat Tiwari [2] Shraddha Saxena[3] Sajal Bhardwaj[4]	EC	Inspiralon Robotix Kshitij 2014	Robot X(Technology RobotIX Society	National	31st Jan.- 3rd Feb. 2014	IIT, Kharagpur	No
17	**Mudit Sharma1** ,Abhishek Kr. Yadav Mohit Garg, Sagar Verma, Amzad, Vibhor Papnej, Sohit Rathore, Deepaushu, Hament Gautam, Kapil Singh, Harshit Gupta, Nikhil, Alok, Shreyvats,HArshit	EEE	Some Sports Events :- Aamod-2014 (Sports Meet)	Cultural & Sports Festival,Bareilly **Aamod-2014** **(Sports Meet)**	National	21-22-Feb-2014	SRMS Bareilly	No
18	Parveen Kumar,Samra Azam,Pushpendra Kumar,Rajkamal Singh,Raghvendra Kumar	EC	ROBO-GALAXY CHAMPIONSHIP-2014	**INDIAN'S BIGGEST ADVANCE ROBOTICS COMPTITIONS**	National	30-JAN-05-Feb-2014	IISC, Bangalore	No
19	Ayush Nagpal	EC	CMAI Declamation Contest	CMAI Declamation On -IT Intellectual Propertg Right-Responsibility & opportunities.	National	19-Apr-14	(National)H.P.University Auditarium ,Shimla	Ist Prize Winner
20	Master Mrinal Shekhar	EC	CMAI Declamation Contest	Is Alternate Energy Important for education & Industry	National	20-Apr-14	(National)H.P.University Auditarium ,Shimla	2nd winner
21	**Rahul Mishra**,Ankur Gupta,Ashish Vimal,GauravArora,Joshita Bisht,Kuldeepak Singh,Manan,Manisha Kashyap, Raunak chaudhary, Shivani Singh,Suman Saurabh,Shubhendra Pratap Singh,Vishal Sagar Singh,Vishesh Shekhasaria	EEE	Hybrid Go-Kart Challenge	Hybrid Go-Kart Challenge	International	18th-19th-08-2014	Maharshi Markendeshwar University Amballa	No

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22	Rahul Mishra	EEE	Electric solar vehicle championship(ESVC-2015)	Electric solar vehicle championship(ESVC-2015)	International	07th-08th-11-2014	Hanglaytan University, Alighar	No
23	**Shobhit Singh Senghar,** Vivek Kumar Gautam, Sudeep Saxena, Shekhar Dhanger	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01-2015	IIT Kharagpun	No
24	Shivani,Shradha saxena,shivam shrivastava,Prashant Kumar Gautam,	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01-2015	IIT Kharagpun	No
25	Saurabh Jain, Gaurav Kumar, Anchal Rajvanshi, Sneha Sharad	BIT	ACM India Annual Event 2015	ACM India Annual Event 2015	National	4th-8th Feb-2015	BITS, GOA	No
26	Shobhit Gupta , Bakleshwar yadav, Bharat Saini,Arpit Mohan Kansal, Yogesh Kumar Tiwari, Tejasv Tyagi,Saurabh Chauchan, Rishabh Jain, Shivam Srivastav,Vaibhav Keshri,Shobit Gupta, Shubham Griwal, Vipul Yadav	ECE	ROBOCON -2015	ROBOCON-2015	National	02-03-2015 to 09-03-2015	MIT,Pune	No
27	Pinki Mondal, Kritika Agarwal	BIT	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	International	11th-13th March-2015	Bharati vidyapeeth's Institute of Computer Applications and Management(BVICAM-NEW DELHI)	No
28	Sakshi Sharma	ECE	COGNIZANCE -2015	COGNIZANCE -2015	National	27-29th Mar-2015	IIT - Roorkee	No
29	Shashank shandiya , Anubhav Rai	EN	Vidyurja Spreigat Cognizance , IIT Roorkee	Technical Fest	National	27th,28th and 29th-march-15	IIT Roorkee	No

5.3.3 **How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?**

Feedback process is an important tool for improving the performance and quality of the institutional provisions. The institute has a clearly set and defined mechanism of obtaining the feedback from its graduates and employers:

Feedback from graduates:
Institute conducts exit interviews of outgoing students which is a feedback process in which students share their experiences and suggest ideas for the betterment of quality of the institutional provisions.

Feedback from employers:
CCPD cell of the institute has a mechanism of feedback from employers so as to reframe the existing Methodologies and grooming up of students as per industry requirements.

Alumni Feedback:
Alumni feedback is collected every year during alumni meet

Parent's Feedback:
Valuable feedback from parents is also collected.

Feedback from all such resources are combined, analyzed and correlated. Efforts are further taken by the management to implement feasible recommendations for improving the quality of the institutional provisions.

5.3.4 **How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.**

The students contribute in large numbers in the college journal, Vision and Quest. The students are encouraged to write and publish papers in national and international journals and are guided by the faculty members. A dedicated student magazine has been planned to publish general and scientific articles.

Mechanical department publishes a separate newsletter 'ME CRESCENT' which gives opportunity to students to publish their articles.

S.No.	Name	Admission No.	Branch / Year	Name of Conference	National / International	Title of Paper	Attended Date	Attended Venue	Duration
1	*Ankit Sandilya*[2] Subhashish Roy[1]	2004CS014	CS	International Conference on AIAA	International	GUI Based Simulation and Integration of Flight Mechanic Models of Artillery Projectiles (SIM -MAP)	24th- 27th Sep. 2007		
2	Pankaj Sharma[1] *Kumar Nikhil*[2] Swati Agarwal[3]	Asst. Prof.	IT 4th	National Conference on "Research Trends in Computer Science and Technology"	National	A Review of the Software Testing Process in SDLC	27th-28th Jan. 2011	Hyderabad	"02 Days
3	Annupurna Singh[1] Swati Aggarwal[2]		CS 3rd IT 3rd	National Conference on "Computing Trends & Issues for National Development"	National	Neuro Linguistic Programming : An Approach to Enhance the Performance of Living Things	11th-12th March 2011	Mathura	"02 Days
4	Kanchan Singh[1] *Shalove Agarwal*[2] shashank Yadav[3]	Asst. Prof.		National Conference on "Role of IT & Management in Sustainable Development "	National	Time Table Generation Using Graph Coloring Algorithm	26th Nov. 2011	IMR, Gzb.	"01 Day
5	*Swati Aggarwal*[1] Kumar Nikhil[2]			International Conference on Information Technology Convergence and Services (ITCS 2012)	International	Application of Genetic Algorithm in Designing A Security Model For Mobile Adhoc Network	4th Jan. 2012	Bangalore	"01 Day
6	*Priyanshu Saxena*[1] Mayank Tiwari[2] Tushar Sharma[3]	2009EC004 2009IT039 2009IT049	EC 4th IT 4th IT 4th	International Conference on " Computer Science and Engineering"	International	"Secure Micro-payment System Scheme using Imbricate Cryptograph"	24th -25th March 2012	Kolkata	02 Days
7	Kanchan Singh[1] *Shalove Agarwal*[2] Shashank Yadav[3]			Students Conference on "Engineering and System SCES-2012		K-Means VersusK-Means++Clustering Technique	16th-18th March 2012	MNNIT, Allahabad	"03 Days

8	Mayank Tiwari[1] Shaivya Jindal[2] Priyanshu[3]	2009IT039 2009IT059 2009EC004	IT 4th IT 4th EC 4th	International Conference on " Advances in Computing-2012"	International	"Prevention of Man in the Middle Attack by Using Honeypot"	4th - 6th July 2012	MSRIT Post, Banglore	03 Days
9	Mr. Rohit Rastogi[1] Aman Agarwal[2] Vipul Aggarwal[3]	2010CS065	Sr.Asst t. Prof. CS CS 3rd CS 3rd	National Conference on "Research & Development in Computational & Information Technology (ncrdcit,12)	National	"Unsupervised learning of Mixed Type of Attributes Using Genetic Algorithm"	7th - 8th Sept. 2012	Deptt. of IT , SRM University NCR Campus, Modinagar	02 Day
10	Mr. Rohit Rastogi[1] Abhishek Jha [2] Poonam Mehar[3] Ashok Singh Chauhan[4]	2010CS022	Sr.Asst t. Prof. CS CS 3rd CS 3rd CS 3rd	National Conference on "Research & Development in Computational & Information Technology (ncrdcit,12)	National	"Clustering of Mixed variety of data using D&C Approach"	7th - 8th Sept. 2012	Deptt. of IT , SRM University NCR Campus, Modinagar	02 Day
11	Ms. Neetu Sharma[1] Vivek Srivastava[2] Chandra Shekhar Singh[3]	2010MCA058 2010MCA028	Asstt. Prof. MCA MCA 3rd MCA 3rd	National Conference on "Research & Development in Computational & Information Technology (ncrdcit,12)	National	"Different Approaches Towards Webpage Ranking"	7th - 8th Sept. 2012	Deptt. of IT , SRM University NCR Campus, Modinagar	02 Day
12	Ms. Neetu Sharma[1] Uma Shankar[2] Vikram Kaushal[3]	2010MCA127 2010MCA213	Asstt. Prof. MCA MCA 3rd MCA 3rd	National Conference on "Research & Development in Computational & Information Technology (ncrdcit,12)	National	"ERP and E Business"	7th - 8th Sept. 2012	Deptt. of IT , SRM University NCR Campus, Modinagar	02 Day

13	*Arpita Srivastava*[1] Anumita Kardam[2]	2010CS110 2010CS028	CS 3rd CS 3rd	International Conference on " Recent Trends in Computing"	International	"A Comparative Analysis of Supervised Learning Between Probability Based Methods and K-Mean Methods"	4th - 5th Oct. 2012	SRM University, NCR Campus, Ghaziabad	02 Days
14	Rohit Rastogi[1]*Abhishek Jha*[2]	2010CS022	Sr.Asst t. Prof. CSCS 3rd	International Conference on " Recent Trends in Computing"	International	"Clustering of Mixed Variety of Data Using D&C Approach"	4th - 5th Oct. 2012	SRM University, NCR Campus, Ghaziabad	02 Days
15	Rohit Rastogi[1] *Aman Aggarwal*[2] Vipul Aggarwal[3]	2010CS065	Sr.Asst t. Prof. CS CS 3rd CS 3rd	International Conference on " Recent Trends in Computing"	International	"Unsupervised learning of Mixed Type of Attributes Using Genetic Algorithm"	4th - 5th Oct. 2012	SRM University, NCR Campus, Ghaziabad	02 Days
16	Rohit Rastogi[1] *Abhishek Jha*[2] Poonam Maher[3] Ashok Singh[4]	2010CS022	CS 3rd	International Conference on "Advanced Computing and Communication Technologies"	International	"An Extensive Technique for Clustering of Mixed Variety of Data"	03rd Nov. 2012	APIIT Panipat	"01 Day
17	Rohit Rastogi[1] *Aman Aggarwal*[2] Vipul Aggarwal[3]	2010CS065	CS 3rd	International Conference on "Advanced Computing and Communication Technologies"	International	Clustering of Mixed Data Type of Attributes Using Genetic Algorithm (Numeric, Categorical, Ordinal, Binary,Ratio-Scaled)	03rd Nov. 2012	APIIT Panipat	"01 Day

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18	Rohit Rastogi[1] **Anumita Kardam**[2] Arpita Srivastava[3] Megha Guar[4]	2010CS028	CS 3rd	International Conference on "Advanced Computing and Communication Technologies"	Internatio nal	Improvement in Supervised Learning by Probablity Based K-Mean Methods Over Normal K-Mean Methods	03rd Nov. 2012	APIIT Panipat	"01 Day
19	Ms. Neetu Sharma[1] **Kanika Sharma**[2] Laxmi Verma [3]	2011MCA128	Asstt. Prof. MCA MCA 3rd MCA 3rd	National Conference on "Cloud Computing - Driving Initiative For e-Goverance and Education" organized by Department of Computer Science & Engg. IILM Academy of Higher Learning	National	"Is Google Good for You"	20th Sept, 2013	IILM, Greater Noida	01 Day
20	Ms. Neetu Sharma[1] **Komal Bhatnagar**[2]	2011MCA160	Asstt. Prof. MCA MCA 3rd	National Conference on "Cloud Computing - Driving Initiative For e-Goverance and Education" organized by Department of Computer Science & Engg. IILM Academy of Higher Learning	National	"Sixth Sense Technology"	20th Sept, 2013	IILM, Greater Noida	01 Day
21	**Mayank Tiwari**[1] Rajeshwar Kumar[2] Shaivya Jindal[3] Pankaj Sharma[4] Priyanshu[5]	2009IT039	IT 4th	International Conference on "Haterogeneous Networking for Quaality , Reliability , Security and Robustness"	Internatio nal	"An Efficient and Secure Micro Payment Transaction using Impricate Cryptography"	11th -12th Sept 2013	Greater Noida	"02 Days

22	Ms. Neetu Sharma[1] *Misha Maseet[2]* Gurpreet Kaur[3]	2011MCA117 2011MCA228	MCA	National Conference on Cloud Computing:Driving New Initiatives for E-goverance and Education (CCDNIEE-2013)	National	"Red- Tacton ; An Innovative Human Area Networking Technology"	20th Sept.2013	IILM-AHL-CET, Greater Noida	"01 Day
23	Misha Maseet Ms.Neetu Sharma Ms. Gurpreet Kaur	2011MCA117	MCA	National Conference on Cloud Computing:Driving New Initiatives for E-goverance and Education (CCDNIEE-2013)	National	"Red- Tacton ; An Innovative Human Area Networking Technology"	20th Sept.2013	IILM-AHL-CET, Greater Noida	"01 Day
24	*Shubham Rungta[1]*Samiksha Srivastava[2]Uday Shankar Yadav[3]	2011CS120201 1CS0612011CS 036	CS	IEEE Conference	International	"A Comparative Analysis of NweApproach with - on Existing Algoritham to Detect Cycles in a Directed Grape"	10th- 13 Dec.2013	Computer Society of India, Visakhapatnam	"04 Days
25	Rohit Rastogi[1] *Uarvashi Kaul[2]* Saumya Agarwal[3] Palak Sharma[4] Shilpi Jain[5]	2011CS011	CSE	3rd International Conference on "Soft Computing for Problem Solving"	International	Unsupervised Classification of Mixed Data Type of Attributes Using Genetic Algorithm (Numeric, Categorical, Ordinal, Binary, Ration-Scaled)	26 Dec. - 28 Dec. 2013	Saharnpur Campus of IIT Roorkee, Greater Noida	"03 Days

26	Saumya Agarwal[1] Palak Sharma[2] Shilpi Jain[3]		CSE	3rd International Conference on "Soft Computing for Problem Solving" [SocPros 2013]	Internatio nal	Unsupervised Classification of Mixed Data Type of Attributes Using Genetic Algorithm (Numeric, Categorical, Ordinal, Binary, Ration-Scaled)	26 Dec. - 28 Dec. 2013	"An Event on the Golden Jubilee Celebration of saharanpur Campus"Saharnp ur Greater Noida Extension Center of IIT Roorkee	"03 Days
27	Aanchal Pathak	2012MCA028	MCA 2nd	International Conference on " Electrical , Power Control, Electronics and Communication Engineering"(EPCECE-2014)	Internatio nal	Camparative Study on the Filtering Techniques of Digital Image Processing	18 Jan.-19 Jan 2014	JNU, New Delhi	"02 Days
28	Aanchal Pathak	2012MCA028	MCA	Advances in Electronics and Electric Engneering	Internatio nal	"Comparative Study on Filtering Techniques of Digital Image Processing"	18th Jan- 19 Jan 2014		02 days
29	Aanchal Pathak[1], Esmita Singh[2]	2012MCA028	MCA	International Conference on Comparative study on the particle filter of dynamic image processing	Internatio nal	Comparative study on filtering techniques of digital image processing	18th-19th-Jan-2014	Jawaharlal Nehru University, New Delhi	02 days
30	Aishwary Katiyar	2010IT033	IT	International Conference on Issues and Challenges in Intelligent Computing Techniques	Internatio nal	"Performance Improvement of MANET Under DSR protocol Using Swarm Optimization"	7th-8th Feb. 2014	KIET, Gzb.	"02 Days

31	Amit Sinha[1] **Sakshi Vardhan[2]** Sonal Saxena[3]	2010IT041 2010IT037	IT	International Conference on Recent Development in Computational and Information Technology with IEEE (ICRDCIT"14)	International	"An Improved Model to Identify Blog Authors"	7th-8th March 2014	SRM, University, Delhi	"02 Days
32	Pankaj Sharma[1] **Tarun Varshney[2]** Tushar Sharma[3]	2010IT0051	IT 4th	Communication Systems and Network Technology (IEEE)	International	"Implementation of Watchdog Protocol with AODV in Mobile Adhoc Network"	7th April 2014	NITTTR Bhopal	01 Days
33	Tarun Varshney	2010IT051	IT	International Conference on Communication Systems and Network Technology (IEEE)	International	"Implementation of Watchdog Protocol with AODV in Mobile Adhoc Network"	7th April 2014	NITTTR ,Shamla Hills,Bhopal	01 Days
34	Esmita Singh[1] **Rateesh Babu[2]**	2012MCA069	MCA 2nd	International Conference on Recent Advances in "Electrical Engineering , Power Control;,Electronics and Communication Technology" 2014(EEPCECT-2014)"	International	Atomic Force Microscopy : A Source of Investigation in Biomedicine	31st May - 1 June 2014	Jawaharlal Nehru University, New Delhi	"02 Days
35	Shivani	2013MCS1010	CSE	International Conference on Information and Communication Technology for Competitive Strategy(ICTCS-2014)	International	Zero Distortion Technique: An Approach to image steganogography on color image using strength of chaotic sequence	14-16th Nov 2014	Sunrise Group of Institutions (SGI), The Institution of Engineers (INDIA) Udaipur	03 Days

36	Rajat Sharma	2011BCS1086	CSE	International Conference on Frontiers of Intelligent computing Theory and application (FICTA 2014)	International	An Innovation Approach to show the hidden surface by using Image inpainting Technique	14-16th Nov 2014	Bhubaneswar Engineering College (BEC),Bhubaneswar	03 Days
37	Shilpi Jain	2011BCS1114	CSE	International Conference on Emerging ICT for Bridging the Future-Proceeding of the 49th Annual Convention of the Computer Society if India(CSI) Volume 2	International	A Novel D & C Approach for Efficient Fuzzy Unsupervised Classification for Mixed Variety of Data	12-14th Dec-2014	JNTUH ,Kukatpally, Hyderabad	03 Days
38	Shashank Mittal[1], Rohit Rastogi	2012BCS1107	CSE	09th INDIAcom.;2015 2nd International confernance on Computing for sustainable Global Development.	International	Linear Algorithm for Imbricate Gyptography using Pseudo Rendom Number Generator.	11th-13th March-2015	BVICAM Bharti Vidhyapeath,New Delhi	02 days
39	Rishabh Mishra	2013BCS1004	CSE	09th INDIAcom.;2015 2nd International confernance on Computing for sustainable Global Development.	International	Security of Data Transmission using Logic Gates And Gypt Analysis in INDIACom.-2015	11th-13th March-2015	Bharti Vidhyapeath, Ablock Paschim Vihar ,New Delhi	02 days
40	Rohan Gupta, Abhishek Singh,	2013BCS1015, 2011CS026,	CSE	09th INDIAcom.;2015 (BVICAM) International confernance on Computing for sustainable Global Development.	International	A Novel Approach for Vehicale Tracking system for traffic jam problem	12-Mar-15	Bharti Vidhyapeath Institute od Comp. App. & MAnagement,New Delhi	01 Days

41	Anjali Sharma	2012MTCS003	CSE	Development of Intelligent Routing System Based on Fuzzy-AHP Approach	International Conference	Development of Intelligent Routing System based on Fuzzyy-AHP Approach	11-12 April-2015	IIT-Delhi(Indian Institute of Delhi)	02 Days
42	**Rajat Sharma**[1] ,Akshay Jain[2]	**2011CS087**	CSE	Sixth International Conference on Contemporary Computing (IC3-2013)(IEEE)	International	("A New Face to " Photo Security" of "Facebook")	08 Aug. - 10 Aug. 2013	IIIT, Noida	03 Days

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

There is no student council for the institute. However, each department has student representatives which are in charge for various committees that look into the student affairs.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

The College has various academic and administrative bodies that have student representatives as members:

- Students Affair Committee
- Sports Committee
- Cultural Committee
- Library Advisory Committee
- Canteen Advisory Committee
- Genero Committee
- ICEIT Student Chapter
- IEEE –MTTS Student Chapter
- IST Student Chapter
- CSI Student Chapter
- IEI (Mechanical) Student Chapter

5.3.7   How does the institution network and collaborate with the Alumni and former faculty of the Institution.

- Institute has a well established Alumni Association which was founded in 2007 with the objective to promote and foster mutually beneficial interaction between the Alumni and   the present students of the ABES Engineering College and between the Alumni themselves.
- There are 5356 members in the association at the end of academic session 2013-14.
- For efficient functioning of the association, the alumni calls general body meeting annually and elect an Executive Council. The Executive Committee consists of seven office bearers and upto 20 members. The executive council meets at least once in two months to transact normal business of the association. Additionally there are nominated faculty coordinators from all departments to enhance interaction of the students with the alumni for their mutual benefit and develop a strong bond among them.
- Alumni executives and general body invites current and former faculty members to the annual general meet.
- Centre of Career and Placement Department (CCPD) are in contact with alumni of   college which help in placement of current students.
- The Institution is deeply associated with its former faculty members. The former faculty members are invited as resource persons in seminars and workshops. They are also a part of important college activities like Genero, Utsaah, Teacher's day, Convocation etc.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT
6.1   Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision
To take the ABES Engineering college by the year 2020 to such a level that it is an equal partner of the other leading institutions of the world to provide leadership to the international education system and is rated as one of the top world institutions which produces world class competent and dedicated technical and managerial human resource embedded in the traditional Indian values and positive attitudes.

Mission

1. To create an ambience for a healthy teaching learning process.
2. To nurture students and infuse in them:
    *   a passion to excel professionally
    *   a spirit to be of utmost use to the industry ,corporate sector and society at large
    *   an intense desire to take on challenging responsibly and leadership roles
    *   a craving to be wholesome good human beings.
3. To develop an environment for creating new knowledge through research and by thriving to explore innovative ideas

    The distinctive characteristic features of the institution which defines its mission are as follows:

    *   Quality teaching, skill development, providing good infrastructure and other facilities ,recruitment of well qualified and experienced faculty members ,modern modes of teaching, setting up of state of art lab , implementation of college uniform, adhering to strict college timings along with the predefined deadlines for assignments and their enforcement catalyze the professionalism in the students.
    *   Various Center of Excellences are setup/Upgraded as per the contemporary requirement of industries. We have launched a program named SPARK with the punch line of "*fueling innovation"* is a first and at present only one of its kind initiatives amongst the engineering colleges .The college aims at instilling scientific zeal and developing skilled human resource to meet contemporary challenges.
    *   Students are provided with different platforms like Genero: Annual Inter college fest , Utsaah : Annual Sports Meet, departmental festivals to exhibit their talents, creativity, leadership skills. Students participate enthusiastically in a number of the philanthropic supporting activity like

HUHC(Help Us to Help Child) etc. to be socially responsible and sensitized.

- ABES Engineering College is a manifestation of academic heritage with strong belief in "Guru-Shishya Parampara". At this temple of learning, the focus is on human values, academic excellence, and composite personality development programs for enhancing the potential of individual students, enriching human values, upholding the Indian value system- all acting in unison as a vehicle for growth at the national and international level, thereby making it a "student driven" institute of higher learning.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The Director of the college is the Head Executive and Academic Officer of the College and is always available to provide requisite leadership to the system. The Director/Governing Body of the Managing committee keeps on meeting the college staff to discuss various policy matters and their applications. HODs and faculty members have vital role in decision makings at their level. Department responsibility chart is designed to define the roles of every faculty member to perform their coordinatorship in varying fields. The committees like Anti Ragging Committee, Student Affairs Committee ,Exam cell, Discipline Committee etc. are the platforms where the faculties are involved in decision making process. All the HODs along with their faculty members are capable enough to take decision as far as assessments and development of student is concerned. The top management inspires academia to achieve excellence at national/global level in the field of higher education.

6.1.3 What is the involvement of the leadership in ensuring?

The involvement of the leadership in ensuring:
- The policy statements and action plans for fulfillment of the stated mission:
  Guidelines to ensure that the working should result in the outcome which is in line with the college's mission is being drafted and implemented by the director at college level, by HOD's at the department level and by Class Coordinator and faculty at class level. Directions given by leaders at different levels ensure the coherent outcomes, which is in line with mission.

- Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

ABESEC is fully committed to performing the organizational responsibilities to make sure to achieve the outcomes/result which have coherence with the mission and vision of the college. Chairman/Gen Sec. is involved in the decisions which take care of college in a comprehensive manner. Under the guidance of Director, the operational heads in the college performs its day to day activities. Deans ensure the working of academic departments as a whole, while decentralization starts from HOD level, where each department is headed by HOD and HOD is authorized / responsible for day to day working and development of the departments. Departmental duties and responsibilities, as assigned by the HODs, ensure the effective working of department under the leadership of faculty members. Other than this, HODs also head different committees, where they have all the empowerment to take decision under participative

roles of the members. The ISO audits and internal departmental audits monitor the sequential activities of departments and the college.

Interaction with stakeholders

Students and Parents: The personal interaction of the Director with HODs and the class co-ordinators with each and every student and their guardians play an important role in this. Information available in student feedback forms help the authorities plan proper implementation and support of the policies.

Alumini: College has registered Alumni Association which conducts Decade Celebrations for different batches every year. Also there is scheduled Alumni Executive meeting around the year. Alumni meeting provide appropriate feedback and interface between alma-maters and industries for curriculum development and student projects, the need of the industries in respect to the quality of the workforce is identified and discussed elaborately.

Industry: Collaborative efforts with different employers of the industry and their services hired play an important role in bridging the gap between industry and academia. Feedback from different employers who visit campus for recruitment provides the valuable feedback in CCPD. College's also arranges guest lectures, national and international seminars, workshops and FDPs to keep pace with the contemporary need of industries.

Society: College is committed to generate a workforce which is ready for the industries, to serve society as a whole being socially responsible and wholesome good human being, which ultimately results in augmenting the surface of society.

Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders
Feedback from different employers who visit campus for recruitment provides the valuable feedback in CCPD, Guest lectures and industry interactions, conferences and seminars help us to design the short term course / certification /trainings programs which help us to analyze need of industry regarding to the required skills.
Interaction with students, parents and alumni provides a feedback which is very helpful in development of college in a holistic manner. Exit Interviews are conducted to reinforce/revise the quality policy and action plans.
Top management provided funds to establish the various Center of Excellences and upgrade the labs of different departments on timely basis to bridge the gap between university curriculum and contemporary employability requirements.

Reinforcing the culture of excellence

Top Management along with the Director focuses on Research and Development activities as a pillar of success .Management sponsors the faculty members for attending the FDPs, National and International Conferences ,Pursuing higher studies etc .There is also a provision of study leave in HR policies. There is a special emphasis on rewards and recognition for the students and faculty members/ staff. Every year Management along with director and HODs setup/upgrade Center of Excellences and practical labs in various departments.

Group outings and refreshing outdoor meeting encourage understanding and bonding, and ultimately helps in the functioning at personal level, enhances interpersonal relationship and enriching the organizational culture too.

Champion organizational change

Stake holders indeed have a list of desired features or problems that are resolved by the benefits that are conferred by investing in ABES. As per the demand and requirements of contemporary society needs, there are some initiatives which we consider as Champion Organizational changes:

SPARK: SPARK with the punch line of" *fueling innovation*"is a first and at present only one of its kind initiative. The program is committed to establish a self-sustaining ecosystem that promotes creativity and the spirit of innovation among the students. With an annual budget of Rs. 25 Lakh the SPARK is committed to not let any innovative idea die before even being born because of lack of financial or technical support. At the functional level the program encourages the students and faculty members to come up with innovative ideas that can be converted into commercially viable or socially useful products and services.

CENTER OF EXCELLENCES: To bridge a gap between industry and academia, various Center of Excellences provide the hands on training for the students of different specialization.

SEEP: All together a different department is set up to enhance the aptitude, attitude, and personality development and communication skills of the students for the professional world.

AAA: ABES ALUMNI ASSOCIATION is a registered association which connects the alumni with college. Alumni meeting provide appropriate feedback and bridges interface between alma-maters and industries for curriculum development and student projects, the need of the industries in respect to the quality of the workforce is identified and discussed elaborately.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The Director and governing bodies of the college, has complete autonomy to govern the institution within the purview of the rules and regulations framed by the government and affiliating bodies. In the beginning of the academic year, strategies are laid out with the help of the mapping exercises. This exercise exposes the strengths and challenges of each of the personnel to draw a potential map, which gives insight to the management, for the distribution of responsibilities. The head of the institution appoints the representatives for various committees with the consent of the governing body, and further nominates the members of committees in consultation with the respective authority.

Notification is issued in each session, defining the roles and responsibilities of the committees. The representatives and heads prepare action plans and submit to the director for final approval.

The faculty is informed of their duties and responsibilities by the respective head(s) by different media (like e-mail, circulars, notices etc.).The administrative staff is given the

plan of action along with the specific job roles. Feedback from stakeholders, through "Student Feedback Forms" and from faculty through "Faculty Self-Appraisal Form" are the tools to monitor and evaluate the outcomes of various procedures and policies adopted .Statutory bodies that constitute the members of Governing body, experts from various fields , contribute towards the development of the institution. Voluntary participation in quality audit by reputed external agencies like ISO, NBA, NAAC, annual survey conducted by standard media/ market- research organization also helps in monitoring and evaluation.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

Faculty members do take the academic lead to drive the activities, to implement the policies & plans through the platform of various committees like Anti Ragging committee, Discipline Committee etc.
Faculty members have liberty to design internal assessment question papers, assignments, tutorial sheets, handouts etc as per the curriculum of university.
Faculty members also enjoy the decisive powers to take extra classes at any day any time. They also enjoy liberty in teaching the topics beyond the syllabus (as prescribes by University)

HODs are involved in the core academic decisions via Academic Council committee, headed by Dean Academics.

For the efficient implementation of the academic curriculum, the faculty members, HOD's, Deans, Director and management are in continuous loop. The members of the Management Committee meets frequently and the problems and issues related to college development, administration, appointment and infrastructural needs and student disciplines are discussed.
The teaching Methodologies are set liberal as per the teaching patterns of the faculty members. They can use multiple mode of delivering the lectures. The dimensions of creativity are encouraged through such endeavors.

If the need arises, the Director holds meeting with the faculty members / staff to communicate directly and re-defines the responsibilities.

6.1.6 How does the college groom leadership at various levels?

With the advent of various activities, all the teaching and non-teaching members are rightly involved and their capabilities are given a boost when they get a chance to dispense their duties in the different areas. College provides opportunity to faculty members, staff and students to groom their leadership skills. List of opportunities are as follows:

S.No.	MEMBER	OPPURTUNITY	Role

1	Students	Genero, Utsaha, inter departmental and intra departmental activities, technical fests. To present their point of view in SAC (Student Affair Commetie)	Organiser,Team member, Performer Class representative
2	Faculty Members	Class Coordination Departmental committees Clubs, FDPs College level committees like Anti Ranging committees, Exam Cell, Grievance Cell. Class - room interactions	Class Coordinator Member/Head Organiser of FDP
3	HODs	Leading the department Leading the commetiee Formulating and implementing strategies at departmental level Formulating and implementing strategies at college levels (Academic Council committee)	Head/Member
4	Deans	Formulating and implementing strategies at college levels (Academic Council committee) Review and redesign the formats and policy adapted by the college.	Head/Member
5	DIRECTOR	Formulating and implementing strategies at college levels Day to Day activities at college level Monitoring and reviewing the policy on timely basis Need analysis and preparing the report of gaps	Head, leader, visionary
6	Gen. Sec/Chairman	To develop college in comprehensive manner. To bridge the gap between demand and supply of infrastructure ,faculty etc as per the need analysis reported by director	Head, Leader, Visionary

Faculty members do take the academic lead to drive the activities, to implement the policies & plans through the platform of various committees like Anti Ragging committee, Discipline Committee etc.

Faculty members have liberty to design internal assessment question papers, assignments, tutorial sheets, handouts etc as per the curriculum of the university.
Faculty members also enjoy the decisive powers to take extra classes at any day any time. They also enjoy liberty in teaching the topics beyond the syllabus (as prescribed by the university)
The teaching Methodsologies are set liberal as per the teaching patterns of the faculty members. They can use multiple mode of delivering the lectures.

6.1.7 How does the college delegate authority and provide operational autonomy to

the departments / units of the institution and work towards decentralized governance system?

- College delegates authority and provide operational autonomy to the departments by decentralizing the governance system. The HOD is bestowed with powers to run the department its day today academic and administrative activities. The Governing body has also approved of the constitution of Committees involving Staff members, which perform an advisory role in matters within their designated sphere of activity and also help in the execution of administrative decisions.
- Faculty is bestowed with powers to take extra classes at any day and any time, to prepare the assessments test and even to take the class assessment tests "n" number of times.
- Faculty also enjoys the liberty of using multiple modes of delivering the lectures.
- Department has authority to take extra classes or do extra emphasis on the students who are weak academically or technically and need special attention.
- Financial independence is also given to departments to cater to the day to day needs.
- Departments also arrange guest lectures, webinars, seminars and national and international conferences to bridge a gap between industry and academia.
- Departments in coordination with AAA, arranges the students –alumni interactions.
- Internal assessments, exam schedule, invigilation duties, flying squad, exam cell, evaluation and corrective measures are under the autonomy of respective departments.
- Different committees like departmental library committee, course file committee, and discipline committee are under complete autonomy of departments.
- Hostel Duties or off hours duties, if required, is under the complete discretion of departmental HOD.

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

- Yes, the college promotes a culture of participative management. The institution can proudly boast the participative culture of all the faculty and staff members which is enthusiastically led by all the HOD's.
- Deans have all the rights to review the formats and policies timely basis under the guidance of Director.
- The HOD along with the other members of the Department, keenly observes the day to day working of the college administration, governance, management and academic activities, and inspires the staff members in staff meeting and by personal interaction to give their best in their teaching assignments. He holds the meeting and does not only communicate it to the teachers the decision taken by the management but also ensures there view regarding this ,and demonstrates the proper implementation. To look after the financial expenditure of the department and to manage the funds for different developmental activities also comes under the dire responsibilities.
- Faculty members are involved in one or more committee to ensure his/her participation in decision, deployment and reviewing of the decision.

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- Roles like Class Coordinators, departmental committee coordinators etc are the platform where each faculty members shows his/her leadership skills and involvement in the college's affairs.
- Genero : Annual Fest , Utsaha: Annual Sports Meet are organized by students .inter departmental technical fests are organized and coordinated by students to groom there leadership.
- College provide open platform under different committees like SAC, Alumni executives, hostel affair comities, canteen advisory comities etc to enhance participative managements regarding decisions on academics, hostels, Infrastructural facilities, internet facilities, hostel facilities etc.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes , the institution has formally stated quality policy and it is as follows:
Quality Policy: "To continuously thrive to provide a congenial and wholesome academic environment and a healthy culture for faculty, staff and students which would motivate teachers' full participation with passion and develop an intense desire in the students to acquire comprehensive education and hence become a useful and confident human resource for the industry and academia"

Development of Quality Policy: Governing body of college developed the Quality Policy, in the year 2008, as per the need of society, stake holders and quality education in the fast growing private institutes. The highly demanding corporate world has also put a lot of pressure on the student community to have multi-facet development.

Driven and Deployment of Quality Policy:

ABESEC up-front with extensive Orientation programs, mentoring & motivational lectures, interaction with experts from the industry, soft skill training, participation in co-curricular and extracurricular activities in producing multi-talented students who, would be able to manage the affairs of the institution with ease. University curriculum also have significant role in deployment of such policy. ISO audits certify that we are in coherence with quality policy.

The Management organizes formal and informal meetings with the staff, from time to time to redress any grievances and enforce the implementation of management strategies.

During the academic sessions, teachers are encouraged to participate in seminars, conferences, workshops and refresher and orientation courses to update their knowledge and skill base.FDP (Faculty development programs) and various training programs are also conducted to update the skill set of faculty member, staff and students.

It is made mandatory for all the teaching and non-teaching staff to attend such kind of sessions/ programs. Further to groom our students and to enhance their skill sets programs like SEEP and hands-on practice in various Centers of Excellences and advanced laboratories plays a vital role. This is really a benchmark in overall uplifting the standards of college as a whole.

Revision of Quality Policy: As per the contemporary need of industries and society, continuous improvement is the key aspect of development. So, ABESEC is in a process to change the quality policy which matches the ongoing trends and contemporary technical and social demands of society.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes, the institution has a perspective plan for development
1. Apart from recommendation made by quality audits teams from NBA etc. the aspects to be included in the perspective plan is generally drawn inputs from recommendation of the following committee like:
   - Governing Council
   - Academic Affairs Committee of Director, Dean, HOD
   - Human Resource Development Department
   - Entrepreneurship Development Cell
   - Internal Quality Assurance Cell
   - CCPD
   - Grievance Redressal Cell
2. As per the contemporary needs of education and society, institute is going to herald the courses/classes on preparation of GRE, TOFEL, PSU, GATE etc.
3. The institution intends to extend its developmental work in the form of COE, FDP and SEEP for the placements in various reputed companies.
4. SPARK will provide in-house summer training to cater the need of zealous students.
5. Technologies like Big Data, Cloud Computing, Industrial Automation, Development of Android application, Embedded and Robotics will be an integral part of college day to day activities in the upcoming future.

6.2.3 Describe the internal organizational structure and decision making processes.

ABES Engineering College   01

Organization Chart - ABES
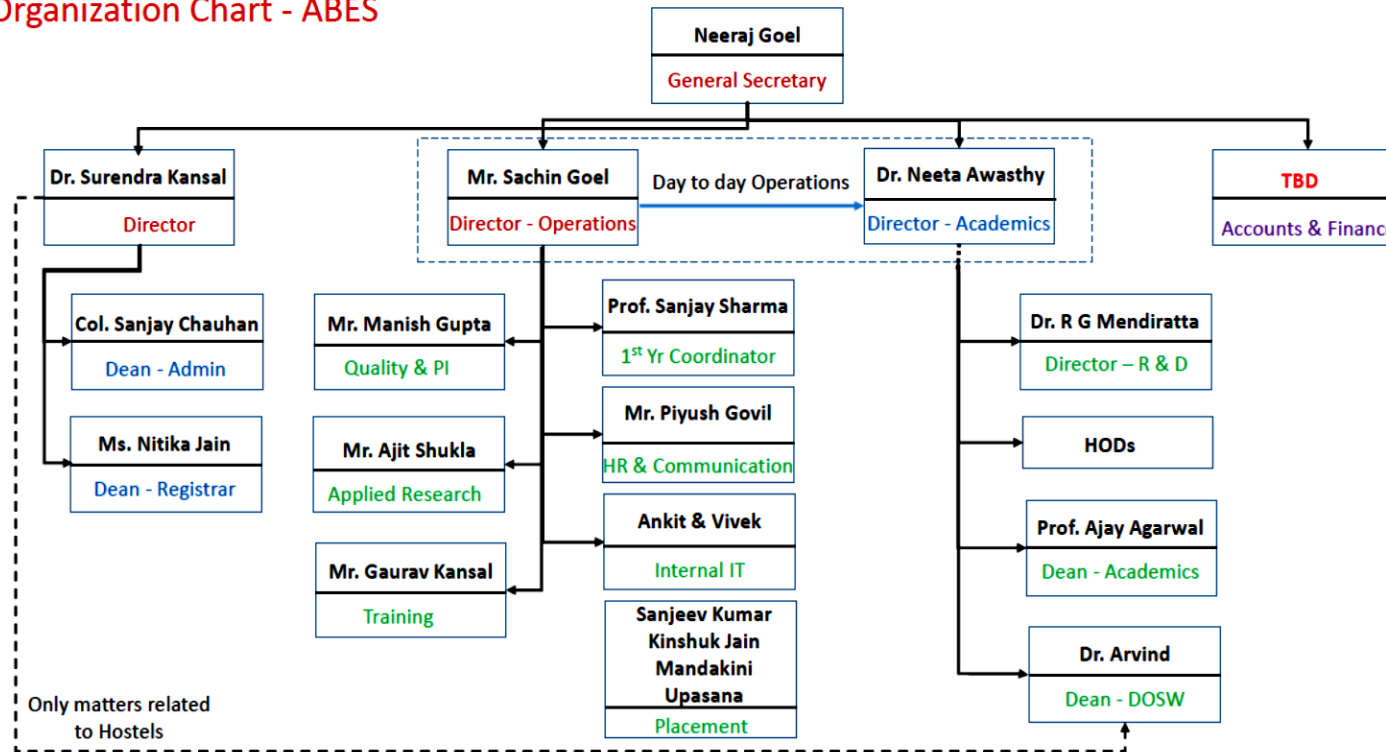
6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- Teaching & Learning
- Research & Development
- Community engagement
- Human resource management
- Industry interaction

Teaching & Learning :

The institution has framed for itself various strategies and Methodss which enhance the quality improvement. These strategies involve audio visual aids for the classrooms, projectors, PA system ,video lectures, PPts tests and in addition to that GP are assigned for their overall code of conduct which propels and fuels students' inclination to indulge in academics in a better way. Faculty members are motivated enough to participate in FDPs, National and International Conferences, Seminar which enhances the Teaching of faculty with enriched contents.

Apart from the lecture Methods of teaching, SEEP and PDP classes help the students in enhancing their presentation skills for the business world and attitude crucial for the survival and sustainability in outside environment. The college has well- experienced faculty members. The faculty members of various departments participate actively in academic programs. The library staff is well qualified and their services and experience is used in updating library for the optimum use by the students. The evaluation Methodss are communicated to the students by the teachers in the class rooms and also displayed on the notice board of the college. The teachers are given full permission to enrich their knowledge through Seminars, Refresher Courses, and Orientation Courses etc. Thrust on E- Learning by the use of NPTEL material/ on line courses etc.

Research & Development

The college encourages the teachers for research work. The college is already having many PhDs who are actively involved in the research process. The assessment of this criterion of institutional functioning is done by using the key aspects prescribed by NAAC i.e. the ability of the institution to promote and sustain research culture, freedom to publish results of research, extent of use of consultancy, healthy participation in extension programs like:

SAP UACADEMY

ABESEC has authorized SAP software product Training Centre. It has been providing SAP training for the last few years under a program called SAP uAcademy. SAP uAcademy follows the same curriculum as SAP's proven classroom academy curriculum.

MICROSOFT IT ACADEMY/H4

Microsoft IT Academy (ITA) program offers a full curriculum for teaching technology courses and learning tools that help students achieve success. Microsoft IT Academy enables ABESEC to offer training not only on fundamental technology skills but also technical courses for students, faculty and staff who are interested in pursuing a career in IT after B.Tech.

CADENCE DESIGN SYSTEMS AND IMPETUS INFOTECH LIMITED

NASSCOM Regional Council-Noida has selected ABESEC as one of the six Engineering colleges in NCR region for Industry-Academia Partnership Program. A number of live projects were completed by the students under the guidance of industry experts & the in-house faculty members for the year 2011-12.

TATA CONSULTANCY SERVICES

ABESEC takes pride in having Industry-Institute Partnership with TATA Consultancy Services. This Partnership is providing an extra edge to the students of institute to not only get trained by the leaders of IT industry but to get placed also.

IBM CENTRE OF EXCELLENCE

ABES Engineering College, Ghaziabad is one of the few colleges around India having the IBM Centre of Excellence by IBM India Private Limited, in campus. This industry-institute Partnership makes ABES Engineering College, Ghaziabad is one of its kind of College which not only work national but globally.

ROCKWELL AUTOMATION, USA

Rockwell Automation, the world's largest company dedicated to industrial automation and information, makes its customers more productive and the world more sustainable. Throughout the world, flagship of Allen-Bradley® and Rockwell Software® product brands are recognized for innovation and excellence.

ASPIRING MINDS

ABESEC is bridging the gap between the expectations of Industries and students. For the same there is a tie-up with a Gurgaon based skill assessment company, Aspiring Minds, which is pioneer in these kinds of activities.

COCUBES.COM

CoCubes.com is India's largest assessment and campus hiring platform. It works with 450+ corporate across fresher and lateral Students. ABESEC is carrying an association with CoCubes.com to improve employability and helping students move ahead on their career path.

NICCO VENTURES AND MONSTER COLLEGE

ABESEC is also working in the collaboration with Nicco ventures and Monster College for the advancement in the field of placements. Such Alliances empowers college to provide the best of opportunities in the career development of students. Nicco Ventures helps college to deliver the high quality and cutting edge technology services to provide the global opportunities in placements to students. On the other hand Monster College becomes the great platform for fresher in the field of career opportunities.

Community Engagement

College believes in having social responsibility and making students good citizens too. College engages many organizations like Medical Council, N.G.Os for holding blood donation camp, free medical checkup. Along with that college and its students are actively involved in helping under privileged children in the name of H.U.H.C.(Help us to help child).In this mission there is donation of money ,clothes and other relevant resources that are made available to the children. A good number of students from several departments and teachers are actively involved in this.

Human Resource Management

The college has documented procedure for recruitment, training and development, motivation and appraisal for the faculty and staff. . In the institute, the process is sufficiently good and transparent for assessing adequate human power requirements, staff recruiting, monitoring and planning professional development programs for personnel development and seeking appropriate feedback responses.

Industry Interaction

The institute works in collaboration and partnership with industries as mentioned above. As a part of curriculum, the students have to undergo 4 to 6 weeks training for B.Tech and MBA and 6 months for MCA. College arranges for this industrial training and other than this Training and Development team of CCPD is continuously analyzing the changes in the global market and industries expectations. Training and Development Team of CCPD has created a platform for students to hone their Employability skills along with Aptitude through various activities like SEEP (Student Employability Enhancement Program) and Aptitude Skills Enhancement Program. The main endeavor of Placement Cell, CCPD is to get students placed in reputed conglomerates, government Officialdoms, NGO's and the private sector. All Students with Placement Cell deliver placement assistance, counseling for employment and self/Social entrepreneurship.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

- The management and head of the institution are always in action for constant quality check and analysis of each and every activity in the college. Students and their feedback always play an important role.
- The head of institution get the feedback from teachers (through the Self-appraisal Form) and from students (through Feed Back Forms) with regards to the teaching quality, curriculum, extra-curricular activities and infrastructural demands, Work Culture etc.
- In the meetings of Students Affairs Committee and Academic council committee Director and other members of committee ensure the transparent flow of information.
- Exit Interviews of passing out students provide the feedback of the points which might not covered in feedback form and is descriptive in nature.
- Periodic meetings headed by director ensure the sufficient flow of data/information.
- Quarterly Board meetings help in reviewing all the activities and suggesting improvements or changes needed.
- Alumni executive meetings and Alumni General body meetings provide the feedback regarding college and ongoing industry requirements.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- Periodic meetings of management with staff aid in encouraging the enthusiastic involvement in the institutional tasks
- Management has taken great initiative to provide information via different relevant modes like e-mail, website, social groups etc. which in turns reduces the ambiguity and save time.

- Revision of policy and forms are done with the concern and participative discussion of Director, Deans and HODs.
- Management provides the comfortable / convenient infrastructure and facilities to carry out the deputed tasks on time and with ease.
- There is great level of liberty and decision making freedom for faculty members to bring their strategies and ides to the Management.
- The management through the head of the institution involves the staff members in various activities related to the development of the college.
- The staff members are involved by way of constitution of various committees like Anti-Ragging Committee etc.
- The management always encourages great level of flexibility in academic administration to make decisions and in designing the required training programs and updating its needs

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The various resolutions passed by the Society are detailed below, all the resolution passed have been implemented during the year.

18.01.2014	1. Approval for Purchase of Vehicle (Honda City VX Diesel) for office use. 2. Passing of resolution for procuring sanction from UPPCL for increase of electricity load from 600kva to 1200kva.
19.04.2014	1. Status of renewal / enhancement of Over Draft limit with PNB. And authorizing Sh. Neeraj Goel to execute the papers on behalf of the society. 2. NBA accreditation.
9.04.2014	1. Resolution in investment with Yes Bank 2. Resolution for Opening OD Account in Punjab National Bank.
08.11.2014	1. Resolution authorizing Mr. Neeraj Goel to file a suit against the decision of FFC (*Only resolution made not the complete MOM*) 2. Receiving of financial assistance from Department of Science & Technology (DST) 3. transport facility replacement

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

Yes, the affiliating University has a provision to make any affiliated institution autonomous. Hence, ABESEC is in the process of attaining autonomy and for this, process has been initiated

6.2.9   How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

The institution has adopted following strategies for attending and resolving grievances effectively:

- <u>Women Grievance Cell:</u> A Women Grievance Cell has been constituted in order to tackle the problems of female students and staff warmly. There are faculty as well as student members from each department in the cell.
- <u>Student Counseling Cell:</u> Student counseling cell is constituted to resolve the academic, social, psychological and financial problems of students. It plays a great role in motivating the students for a better life.
- <u>Grievance Cell:</u> It is constituted for all forma of grievances and from any aspect of life. This cell redresses the grievances of students, faculty members and staff alike.

6.2.10   During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

Since the inception of the college (2000) only five cases have been filed in the court. The details are as under:

S.no	Name, Admission no, Roll no.	Course	Status of the student	Court name/ Appeal no./Court case no.	Case description
	ABES Engineering College, Ghaziabad				
	Files pertaining to court cases as on 01.06.2015				
1	Rishabh Varshney 2009IT062 0903213041	B.Tech (IT)	Ex-student ,4th year, 2014-15	HC, Allahabad (Lucknow Bench) Writ Petition No. 2325 (m/s) of 2015 Date : 12/05/2015	Declared the result of 7th sem, allow to appear in 8th sem, declare the result of challenge evaluation for special carryover, and allow to appear in two subjects (having CP) as regular student.
2	Kumar Nischal 2014MCS1007	M.Tech (CS)	Regular	Allahabad High Court Writ Petition no. : 19214 of 2015	Wrongly admitted in M.Tech(CS) by coordinator, not eligible for it as UG % is 57%. Claimed to give the enrollment no. and allow to appear in the M.Tech first sem exam 2015.
3	Rahul Singh 2012MCA202 1245914056	MCA	Regular	ACJM II Ghaziabad, Crime section no:403/406/420/IPC	He took admission on 1.9.12, studied for two sessions and applied for scholarship in SC quota took the amount Rs. 38,750 and left studies on July 2013.

| 4 | Shiv Dutt 2011MBA255 1103270153 | MBA | Regular | ACJM II Ghaziabad, Writ Petition no:492/12/Section 147/323/504/506/IPC/ Thana Vijay Nagar | MBA 1st yr & 2nd yr students had quarrel on a high note. 07 students were involved in the same. |
| 5 | Kapil 2013EC097 1303231077 | B.Tech (EC) | Regular | State Information Commission Writ Petition no:S-10-1859/C/2014 Date:30.12.2014 | Ms. Mithlesh Gupta's ward was detained in session 2013-14. She wanted to know the number of students detained in the semester. |

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

Yes the institution has a defined set of criteria for evaluating student feedback on institutional performance.

- College provide open platform under SAC (Students Affairs Committee) committee to provide the feedback regarding academics, hostels, Infrastructural facilities, internet facilities, hostel facilities etc
- The committee constituted for exit interviews consists of senior faculty members of departments, HODs, Dean and Director conducts the exit interview from the ones who are passing out regarding various activities and facilities provided by institution.
- Regular meetings with students under different committees also provide the feedback regarding the different operations related to the college activities.
- Alumni interactions are another source of feedback regarding college.

On the basis of such feedbacks, the Director is able to interact with faculty and HODs to improve the Institutional performance. Also, Director is able to convey the problems discussed in the meeting to management. The Management finally helps director in taking proper decision & action to improve the overall performance, image, brand of the institution

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

To achieve excellence in any aspect the continuous development of all the members associated with any institution is inevitable. To achieve that ABES-EC organizes various Seminars, Workshops, Faculty Development Programs, Symposiums, etc. These events call for a rigorous and unceasing involvement of all the members which in turn help them in their growth and development. The involvement of non-teaching staff in these events correspond to their teaching counterpart and this gives them ample scope to develop their skills.

FDP

Date	Title	Presented By
08.09.2014	Securing Network Through Firewalls, VPN & Intrusion Prevention Based System	IT Dept.
15-19.09.2014	Matlab and its Applications	MCA Dept.
22-26.09.2014	ICT based FDP Optical Fiber Communication	ECE Dept.
17-18.10.2014	Tips and Techniques for Office Management	MBA Dept.
22.11.2014	Awareness on Intellectual Property	MBA Dept.
11.12.2014	Pre requisites Information System, Threats to IS	CSE Dept.
12.12.2014	Security Threats & Security Technologies	
13.12.2014	Security Policies Cyber Laws & IPRs	
18.12.2014	Advanced Research Methodss	MBA Dept.
19.12.2014	Stress Management	MBA Dept.
16.01.2015	Strategies for Pull Factor	ECE Dept.
	Mission 10X Strategy	
20.01.2015	Open Elective EOE-081: Non-Conventional Energy Resources	ME Dept.
16-20.03.2015	ICT based FDP on 3G Mobile Systems	ECE Dept.
20-27.04.2015	FDP on LaTex Typesetting Tool	MCA Dept.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

In this information era the ability to say, present and transmit information with clarity and precision is perhaps more important than any other skill. Various strategies adopted by the college include:
1) Seminars, Workshops, Faculty Development Programs, Symposiums, etc. to strengthen their technical as well as their professional expertise.
2) Yoga workshops for a relaxed body and mind, and to rejuvenate.
3) Efficient hand-holding of new members by the seniors so as to make them understand their roles and responsibilities properly.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Appraisal system of ABES-EC include a members contribution in the following areas–

1) Academic contribution and growth of the faculty member.
2) Departmental contribution.
3) Contribution towards the college.
4) Performance in the semester results.
5) Roles in various fields within and outside the college.
6) Research work
7) Involvement in various projects, trainings, etc.
8) Faculty Interaction outside the college
9) Participation in Conferences / FDP/ Seminars etc.
10) Awards & Recognition
11) Leave Record

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

Based on the elaborate appraisal system, a three scale matrix is followed and the stakeholders are divided into three broad categories. These categories are A, B and C which represents extraordinary, good and average performance, respectively. On several occasions it was deduced that almost 20% members of the institution fall under category A i.e. extraordinary, 60% under category B i.e. good and the rest 20% under category C i.e. average. The category on which the stakeholders stand directly influences their assigned responsibilities, salary increments and designations. Members of category A, which is at the topmost position in the appraisal matrix, are offered the best perks. The performance appraisal system is communicated to the appropriate stakeholders through the head of the departments or the reporting authorities wherein a detailed analysis of his/her performance is done and the appraisal is justified.

6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

The various welfare schemes introduced for the teaching and non-teaching staff are as under:
1. Health Insurance scheme, premium subsidized by the management.
2. General Personal Accidental Insurance.
3. Gratuity benefits.
4. Semester break for team building activity
5. Celebration of Staff/faculty day
6. Get together on major festivals
7. Leave encashment policy.
8. Annual motivational incentives

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

ABES-EC provides and encourages an amicable working culture where every member of the institution gets a chance to continuously excel in his/her respective area of interest. An empathic environment amongst all the members, both new and old, is always promoted by the institution. It is also ensured that the members associated with the institution achieve an elevated level of job-satisfaction. In compliance with the UGC norms, the salary package offered by ABES-EC does justice to the qualification and experience of the members. Overall, a compassionate environment, a refined working culture, an environment of development, a progressive and updated atmosphere and financial security are certain factors that attracts and helps in retaining eminent faculty members.

6.4   Financial Management and Resource Mobilizatio

6.4.1   What is the institutional mechanism to monitor effective and efficient use of available financial resources?

Suitable institutional mechanisms are available to monitor the effective and efficient use of financial resources. The college has a mechanism for audit of financial resources. Qualified Internal Auditor / Charted accountant have been permanently appointed and a team of account staff do a thorough check and verification of all the vouchers of the transaction that are carried out in each financial year. The Institutional accounts are audited regularly by Statutory Audits, half yearly and at the end of financial year. So far there have been no major discrepancies, however, minor errors of omissions and commissions when pointed out by the Audit team are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in future.

The budget is divided under various heads. The amount required at different departmental level, viz., purchasing new equipments/software's and the amount required for conducting various programs like Guest Lecture, workshop, faculty development program and seminar is estimated by a team of faculties under the guidance of Head of the department The same is audited and verified by the finance officials , management committee for final approval.

6.4.2   What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

The institution has appointed Mr. Anil Vaish, Charted Accountant, (R. No. 071184) of M/S Anil Vaish & Co, Ghaziabad as an external auditor and Mr. Anil Agarwal, Chartered Accountant of M/s Anil K. Associates as an internal Auditor. The audit as on 31.03.2014 has been completed and no major observation has been made in the audit report.

6.4.3   What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major source of the institution receipt is from fee of the students.
Balance sheet of previous four years is attached.

6.4.4   Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

The additional funding has been arranged from our principal exclusive banker M/s Punjab National Bank, Navyug Market, Ghaziabad by way of an over draft limit of   Rs. 31,00,00,000/-.

6.5   Internal Quality Assurance System (IQAS)

6.5.1   Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? .6 If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Yes, ABESEC has a well constituted Internal Quality Assurance Cell (IQAC) which is headed by Head, Quality along with a team of very diligent faculty members who are representatives of all departments in the college.

Primary goals of the institution with regard to quality assurance are:
- To develop a system which is self-sustaining and self-motivated for continuous improvement in every field of academics and research.
- To constructively channelize the efforts and measures of the institution towards academic excellence.
- To facilitate the effective and transparent mode of admission policy.
- To strengthen applied research and create amicable environment for students and faculty.
- To improve teaching and learning with state-of-the-art infrastructure.
- To continue helping the slow learners in best way possible and lessen the gap between academics and industry.
- To provide adequate mentoring and guidance to students in their personal/academic/ professional fronts through the counselling, trainings and infrastructural upgradation.

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

ABESEC strongly believes in quality education as mentioned in the mission and vision statements and thus approves and supports the activities of IQAC.

The Management has approved the inputs of IQAC in the following arenas:
- Academic Auditing – ISO auditing
- Reforms in evaluation scheme and processes.
- Student welfare activities and leadership development programs
- Innovative teaching learning
- Training for competitive projects and examinations
- Exposure and interaction of students with academicians
- Student mentoring activities planned and organized
- Industrial visits to supplement theoretical knowledge with practical awareness
- Feedbacks on teachers, curriculum, library and overall functioning of the College

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Presently IQAC is governed by internal members and is in process of involving the external members in the cell.

d. How do students and alumni contribute to the effective functioning of the IQAC?

The students are committed to uphold the vision, mission and objectives of the Institution, as these values are infused in them during the program.

- Students' feedback forms are forwarded to IQAC which helps in improving the quality policies.
- The alumni feedback assessment of education process also plays a major role in enhancing the quality assurance.
- Alumni of the institution, who are now holding respectable positions in society, render valuable services to the College by visiting, interacting with the students of the College, giving their valuable suggestion on-what is latest in the employment market and hinting improvement strategies in the other aspects of the functioning of the College.
- Alumni and students are continuously in touch with IQAC and share the requirements of the students which will be addressed properly.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

IQAC communicate and engage staff from different constituents of the institution through:

- E-mails
- Circulars and notices
- Academic Council meetings
- Periodic meetings with representatives of various departments.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalization.

The institution has an integrated framework for Quality assurance of the academic and administrative activities:

- Internal audit by IQAC
- Internal monitoring by Academic Council
- ISO external audits
- Periodic Accreditation activities like NBA

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

Yes, the Institution pay serious heed for the implementation of Quality assurance Procedures. Following measures are adopted for the same:
- Provides periodic and effective training to faculty and staff.
- Encourages the nominated faculty to undergo the internal audit courses of ISO to enable them to perform internal audit for other departments.
- Lab staffs are also trained at the functional department level.
- Faculty and students are motivated to participate in various National and International competitions to improve their inter personnel skills.
- IQAC organizes rigorous trainings on quality assurance and improvements.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

Academic audit is a regular feature for continuous monitoring of the students academic performance of the College by monitoring the
- Monthly students attendance
- Internal Exam Marks
- Semester Internal Marks
- End Semester Marks
- Semester wise performance and comparison with other Colleges
- Other co-curricular activities of the College

As measure of our good academic practices, the institution is certified by ISO 9001:2008.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

Internal Quality Assurance System is aligned with requirements of external quality assurance agencies in all aspects of institute operations with thrust on quality of teaching-learning process.
- Teaching Quality is monitored by the concerned HOD's/ Dean/ Director. Based on above the corrective and preventive actions are implemented.
- ISO audit conducted every year to monitor academic and administrative performance.
- Feedback from the stakeholders is collected and is used to ensure effective quality assurance.
- IQAC mechanisms are developed using the guidelines of various quality assurance agencies.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, Methodologies of operations and outcome?

Following mechanisms are followed to continuously review the teaching learning process of the institution:

- Subject allocation is done as per the faculty specializations by concerned HOD.
- Submission of lesson plan, course file including personal notes and question bank, tutorial sheets, quizzes etc.
- Maintenance of attendance register by each faculty
- Review of the attendance register by the concerned HOD.
- Teaching learning process reviewed in each semester for improved outcomes in internal & external exams, students' feedback, placements etc.
- IQAC reviews the above process and takes necessary steps for the improvement of quality of teaching.
- IQAC along with CCPD interacts with industry experts to identify latest trends in industries.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

Institution communicates its quality assurance policies, mechanisms and outcomes to internal stakeholders (Students, Staff) through:
- Student Advisory Cell (SAC) meetings
- Circulars and notices
- Information to Parents, Alumni, Industries etc. through mail, college websites, brochures, quarterly newsletter "Edge".
- By face to face interaction with parents, alumni and industry personnel.
- Prospectus
- Orientation program for 1st year entrants
- Handbook

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Yes, the institute formally conducts green audit in the institution for making the institution completely ecofriendly. Lot of expenditure is incurred to make the campus green and eco-friendly.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

- Energy conservation
- Use of renewable energy
- Water harvesting
- Check dam construction
- Efforts for Carbon neutrality
- Plantation
- Hazardous waste management
- e-waste management

Energy Conservation:
The architecture of buildings ensures maximum sunlight and ventilation on all floors. This allows high circulation of natural air and sunlight. The college class rooms are airy and well lighted. A committee on energy conservation ensures usage of minimum electricity only where and when needed with minimum wastage. The committee also promotes procurement and installation of efficient electrical systems to save electricity. There are visits by HOD's in the faculty cabins to supervise no wastage of electricity. The college has gradually moved on from normal light bulbs (least required wattage) to tube lights, slim lights, CFLs and LEDs thus conserving energy to the extent required. High capacity air conditioners are kept off at all the times unless these areas are fully occupied. All water coolers have been connected through aqua guard water filtration machine.

Use of renewable energy/Water harvesting:
There is a drainage system for rain water harvesting system that ensures continuous recharging of ground water table. Internal audit system of this water harvesting system are carried out regularly. The college is in process to fix solar panels to generate electricity.

Efforts for Carbon Neutrality:
There are several restrictions and inspections carried out for this purpose. Monthly inspection of college vehicles, timely PUC check and restricted entry of vehicles inside the campus ensures lowest possible emission and pollution free environment thereby neutralizing the carbon effect.

Plantation:
A huge area is dedicated for green gardens. There are around 4-5 green gardens with plantation of varieties of flowers and trees. Each block and building is surrounded by large open areas on which green lawns, hedges and trees maintain a healthy balance with

environment. Inspections are carried out in campus to ensure healthy growth and blooming of the green environment.

Hazardous waste management /E-waste management:
All the floors, cabins and staff rooms have separate dustbins and the waste is collected on daily basis. A separate agency with specialized expertise in waste collection and disposal has been hired for waste collection on daily basis. The agency also processes bio-degradable waste to make manure and disposes off cycle able and non-cyclable wastes as per established norms. Waste is collected from science laboratories on periodic basis. We dispose our e-waste to agencies for recycling. Waste from mess, canteens, hostel kitchen are used to convert compost.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

Our college has introduced many innovative techniques in the last four years that has led to its success and creating a success story.

1. Vigilance by HODs/Personal Feedback from class representatives: HODs have the regular interaction with the selective students of the class for the feedback. Regular guidance and corrective action through these checks have significantly improved the teaching Methodology and standard.

2. Innovative Teaching Strategies: Audio-visual aids, E-learning is motivated in the classrooms. A liberal and interactive discipline is encouraged among all faculty members for the conduction of the classes.
.
3. Incentive/Awards to faculty members for meritorious result of the students: In order to enhance the motivation and set further achieving targets, faculty members were given Apple I-Pads and many other incentives.

4. Encouragement for higher studies: Faculty members are encouraged to pursue higher studies and upgrade on the academic front. Study Leave is also granted to faculty members selected in fellowship programs.

5. Special sections for academically needy students: Special attention is required to be paid to weak students in a class to enable them to improve. The college has introduced a structured system whereby weak students are identified and shifted to special sections for personal attention, academic supplement and special care.

6. Continuous series of tests and PUE: As per the university norms of UPTU, colleges are required to conduct two internal exams every semester. But to improve the performance of students, our college has introduced a deliberate system of continuously taking tests/quiz and improvement through tutorial sessions, unless and until the student reaches the desired expectation level.

7. Online subject notes: Faculty members provide online subject notes, short question answers, objective type questions and solutions for the question papers of all the three internal exams as well as the end semester university exams. These solutions are made available to students in the central library. Students are allowed to take copies of the solutions. Question banks are prepared and placed in the library, stationery outlet for the benefit of the students.

7.3   Best Practices

7.3.1   Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

1. Industrial collaboration for enhancing student employability.

    The CCPD cell liaisons with corporate organizations to provide suitable jobs and internship for the candidates completing their studies from ABESEC The Placement Cell also conducts seminars and workshops to enable the students of ABES Engineering College to become successful professionals.
    Enclosed is a list of companies and their date of drives:

1	Incise Infotech Pvt. Ltd.	1st Sept. 2014
2	I -Guardian	7th Sept. 2014
3	Jaro Education	11th Sept. 2014
4	TATA Consultancy Services	18th - 20th Sept. 2014
5	Daffodil Software Ltd.	20th Sept. 2014
6	Optimus Information, Inc.	23rd Sept. 2014
7	QA Infotech Pvt. Ltd.	24th Sept. 2014
8	Nucleus Software Export Ltd.	25th Sept. 2014
9	Miracle Technologies	26th Sept. 2014
10	WOXA TECHNOLOGIES PVT. LTD.	27th Sept. 2014
11	Intelligrape Software Pvt. Ltd.	29th Sept. 2014
12	Sap Labs India Pvt. Ltd.	1st Oct. 2014
13	Hewlett-Packard India Sales Pvt. Ltd.	6th Oct. 2014
14	Virtusa, Inc.	6th Oct. 2014
15	NIIT Technologies Ltd.	7th Oct. 2014
16	Josh Technologies Ltd.	9th Oct. 2014
17	Velocis Systems Pvt. Ltd.	9th-10th Oct. 2014
18	Stratbeans Consulting Pvt. Ltd.	11th Oct. 2014
19	Optimus Information, Inc.	14th Oct. 2014
20	Lakshya Technology Solutions Pvt. Ltd.	15th Oct. 2014
21	Asahi Glass India Pvt. Ltd.	15th Oct. 2014
22	Sopra Group	16th Oct. 2014
23	L & T Infotech	16th Oct. 2014
24	E-smart Systems PVT. LTD.	17th Oct. 2014
25	Mobulous	18th Oct. 2014
26	Allumez Info Tech/ Zilaxy Electronics	18th Oct. 2014
27	Apagen Solutions Pvt. Ltd.	20th Oct. 2014
28	AppzCloud Technologies	30th Oct. 2014
29	Asahi Glass India Pvt. Ltd.	30th Oct. 2014
30	CraterZone	2nd Nov. 2014
31	I3India	5th Nov. 2014
32	Mphasis (An HP Company)	6th Nov. 2014
33	Open Text	7th Nov. 2014
34	MindTree Ltd.	7th-8th Nov. 2014
35	TechAhead Corp, Noida	9th Nov. 2014
36	IBM India Pvt. Ltd.	11-12th Nov. 2014
37	Jeevansathi.Com	12th Nov. 2014

38   99Acres.Com 12th Nov. 2014
39   Way2Capital   12th Nov. 2014
40   Mark IV Systems   13th Nov. 2014
41   Earth Infrastructure Ltd.   13th & 14th Nov. 2014
42   WOXA TECHNOLOGIES PVT. LTD. 14th Nov. 2014
43   Mphasis (An HP Company)   18th & 19th Nov. 2014
44   Richa Industries Pvt. Ltd.   21st & 22nd Nov. 2014
45   Mobiloitte Technologies Pvt. Ltd.   24th Nov. 2014
46   R System International Ltd.   25th Nov. 2014
47   RetailOn.Net   25th Nov. 2014
48   IndiaMart InterMesh Ltd.   26th Nov. 2014
49   NEC Technologies Ltd.   28th Nov. 2014
50   AON Hewitt   29th Nov. 2014
51   Capgemini Ltd.   29th Nov. 2014
52   Linchpin Technologies   1st Dec. 2014
53   Steria India Pvt. Ltd. 3rd Dec. 2014
54   Agile Softtech Pvt. Ltd.   3rd Dec. 2014
55   InfoEdge India Ltd.   4th Dec. 2014
56   ICICI PRUDENTIAL LIFE INSURANCE CO. LTD.   5th Dec. 2014
57   Webkul Software   6th Dec. 2014
58   TransWeb Educational Services Pvt. Ltd.   6th Dec. 2014
59   Optimus Information, Inc.   6th Dec. 2014
60   Homezworld   8th Dec. 2014
61   Sanmar Engg. Tech. Ltd.   9th Dec. 2014
62   Wipro Global Infrastructure Outsourcing Services   10th Dec. 2014
63   Digital Thomson   12th Dec. 2014
64   Naukri.Com   12th Dec. 2014
65   ADVANCED AUTO ACCESSORIES CORP. 13th Dec. 2014
66   AlleTechnolologies   16th Dec. 2014
67   Drishti Soft Technologies   19th Dec. 2014
68   Jellyfish Technologies 19th Dec. 2014
69   Goodthrough Software Solution Pvt. Ltd.   20th Dec. 2014
70   Aptara Corp   6th Jan. 2015
71   Policy Bazar   6th Jan. 2015
72   Jellyfish Technologies 7th Jan. 2015
73   Nucleus Software Export Ltd. 9th Jan. 2015
74   NextGen Invent Corporation   10th Jan. 2015
75   Kellton Technologies Pvt. Ltd.   10th Jan. 2015
76   Quantum Pages Pvt. Ltd.   12th Jan. 2015
77   Print - O - Pack   12th Jan. 2015
78   Schneider Electric Infrastructure Ltd. 13th Jan. 2015
79   Quantum Pages Pvt. Ltd.   13th Jan. 2015
80   Jellyfish Technologies 14th Jan. 2015
81   Aptara Corp   14th Jan. 2015
82   CSC India Pvt. Ltd.   14th Jan. 2015
83   Evision Tech Solution Pvt. Ltd.   15th Jan. 2015
84   InnoEye Technologies   16th Jan. 2015
85   Codegenesis Solutions   17th Jan. 2015
86   Wipro Global Infrastructure Outsourcing Services   17th Jan. 2015
87   Daffodil Software Ltd. 18th Jan. 2015
88   Franconnect   19th Jan. 2015

89   Progressive Infotech Pvt. Ltd.19th Jan. 2015
90   Altametrics   20th Jan. 2015
91   HDFC Bank Ltd.   20th Jan. 2015
92   Myra Digital (India) Pvt. Ltd.   20th Jan. 2015
93   Beehive Systems   20th Jan. 2015
94   Aptean Technologies 20th Jan. 2015
95   Apagen Solutions Pvt. Ltd.   20th Jan. 2015
96   Hettich India Pvt. Ltd. 21st Jan. 2015
97   Magic Software Pvt. Ltd.   21st Jan. 2015
98   IREO   21st Jan. 2015
99   SNT Infotech Ltd.   22nd Jan. 2015
100   Wildnet Technologies 22nd Jan. 2015
101   KHODiyar Group   23rd Jan. 2015
102   NIIT Technologies Ltd.   23rd Jan. 2015
103   NTT Data   23rd Jan. 2015
104   Uday Homz Pvt. Ltd. 23rd Jan. 2015
105   Paytm.com   23rd Jan. 2015
106   Finnoit Technologies Pvt. Ltd.   24th Jan. 2015
107   Webkul Software   24th Jan. 2015
108   Aptara Corp   28th Nov. 2014
109   GENPACT   29th Jan. 2015
110   SOURCEKEY INDIA PVT. LTD.   29th Jan. 2015
111   IBM India Pvt. Ltd.   29th-31st Jan. 2015
112   ILMP Technologies Pvt. Ltd. 30th Jan. 2015
113   Maintec Technologies31st Jan. 2015
114   Sheela Foams Pvt. Ltd.   31st Jan. 2015

2. SPARK:
   SPARK with the punch line of "fueling innovation "is a first and at present only one of its kind initiatives. The program is committed to establish a self-sustaining ecosystem that promotes creativity and the spirit of innovation among the students. The program aims to promote research at the under graduate (UG) level. The concept of UG research is slightly different than the conventional definition of research whose objective is to create new technologies in order to solve real world problems. On the other hand the former is more concerned about finding out solutions by innovative use of existing technology. The former type of research is also characterized by its focus on creating products or services that are either commercially viable or socially useful. The thought process that has led to its foundation is not only industry recommended but in perfect sync with the present age - the age of ideas and innovations. Spark is a humble effort to assimilate this developing groundswell of innovative thinking in our culture.

   With an annual budget of Rs. 25 Lakh the program is committed to not let any innovative idea die before even being born because of lack of financial or technical support. At the functional level the program encourages the students and faculty members to come up with innovative ideas that can be converted into commercially viable or socially useful products and services.

3. Improving Teaching Learning Process for better Academic Standards:

ABESEC has traveled a long way and has captured many milestones. It has successfully lived its dream through the Society for Education Excellence (SEE), of being the number one institute of Delhi-NCR and the state of Uttar Pradesh. The objective of our dream is to prepare promising and efficient Technocrats and competent Managers, which has been achieved since the very inception and the same will continue in the years to come.

It would have been impossible to successfully survive for such a long period and achieve these many milestones without the support of a well versed, highly qualified, experienced and dedicated faculty and staff. All these years have witnessed the success story of our institution in the form of various achievements by our Students. We have not only achieved our dream, however, we have made a place in the heart of society as one of the prestigious institutions of our country.

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EVALUATIVE REPORT OF APPLIED SCIENCE & HUMANITIES DEPARTMENT

1	Name of the department	Applied Science & Humanities		
2	Year of the Establishment	2000		
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	Under Graduate-B.Tech (First year Students of all branches are taught in this department)		
4	Names of Interdisciplinary courses and the departments / units involved	None		
5	Annual/ semester/choice based credit system (programme wise)	Semester Based		
6	Participation of the department in the courses offered by other departments	None		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	None		
8	Details of courses /programmes discontinued (if any) with reasons	None		
9	No. of teaching posts	**Post**	**Sanctioned**	**Filled**
		Prof.	8	3
		Asso. Prof.	15	5
		Asst. Prof.	45	61
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)			

S.No	Faculty Name	Qualification	Exact Designation	Areas of Specialization	Total Experience in Years
1	Ms. ANUBHA GUPTA	B.SC. M.TECH.(PHYSICS)	ASST PROFESSOR	PHYSICS	0
2	Ms. SWETA K	M.SC. M.TECH.(SOLID STATES MATERIALS B.SC.	ASST PROFESSOR	PHYSICS(SOLID STATE MATERIALS)	5
3	Mr. ASHISH PRAKASH GARG	B.SC. M.SC.	ASST PROFESSOR	MATHS	9
4	Ms. SHWETA CHOUDHARY	B.SC. M.SC.	ASST PROFESSOR	MATHS	10
5	Ms. SMRATI TRPIPATHI	B.SC. M.SC.	ASST PROFESSOR	MATHS	20

6	Mr. AKHILESH KUMAR PANDEY	B.SC. M.SC.	ASST PROFESSOR	PHYSICS	8
7	Mr. SATYENDRA KUMAR	B.SC. M.TECH. M.SC.	ASST PROFESSOR	PHYSICS	9
8	Ms. ABHA TYAGI	B.TECH. MBA	ASST PROFESSOR	BIO TECHNOLOGY	
9	Mr. VIKASH SINGH	B.SC. M.TECH. M.SC.	ASST PROFESSOR	PHYSICS	
10	Ms. MANDAKINI PRASOON	B.SC. M.SC.	ASST PROFESSOR	ELECTRONICS & COMMUNICATION	
11	Mr. SANJAY KUMAR PARASHAR		ASSOCIATE PROFESSOR		
12	Mr. VIVEK SHARMA	B.SC. M.SC.	ASST PROFESSOR	EVS	5
13	Mr. SANJAY KUMAR SHARMA	B.TECH. M.TECH.	PROFESSOR	CIVIL	0
14	Mr. AMIT KUMAR	B.SC. M.SC. M.PHIL	ASST PROFESSOR	MATHS	0
15	Ms. ANINDITA DE	B.SC. M.SC.	ASST PROFESSOR	CHEMISTRY	3
16	Ms. NIMISHA .	B.SC. M.SC. M.PHIL	ASST PROFESSOR	MATHEMATICS	15
17	Dr. ARCHNA SHARMA	B.SC M.SC NET	ASST PROFESSOR	MATHEMATICS	5
18	Ms. CHAVI CHHABRA	B.SC. M.SC.	ASST PROFESSOR	MATHEMATICS	1
19	Dr. SAPNA JAIN	B.SC. M.SC. NET	ASST PROFESSOR	ORGANIC CHEMISTRY	8
20	Ms. ARUNDHATI MAHANTA	B.A. M.A.	ASST PROFESSOR	ENGLISH LITERATURE	7
21	Ms. PRACHI PRIYANKA	B.A. MA	ASST PROFESSOR	ENGLISH LITERATURE	
22	Mr. MAHFOOZ ALAM	B.SC M.SC	ASST PROFESSOR	MATHEMATICS	1
23	Ms. PRITI MADAN	B.SC. M.SC.	ASST PROFESSOR	MATHEMATICS	12
24	Mr. VISHAL KUMAR SINGH	B.SC. M.SC.	ASST PROFESSOR	MATHEMATICS	7
25	Ms. SHWETA BHARGAVA	B.E. MBA	ASST PROFESSOR	ELECTRONICS &	4

				COMMUNICATI ON	
26	Ms. MONIKA KHURANA	BA MA PGDBM	ASST PROFESSOR	ENGLISH LITERATURE	9
27	Ms. PREETI TIWARI	BA MA	ASST PROFESSOR	ENGLISH	12
28	Mr. GAURAV KUMAR	BTECH MTECH	ASST PROFESSOR		
29	Mr. MAHENDRA KUMAR SONKER	B.TECH. M.TECH.	ASSOCIATE PROFESSOR	COMPUTER SCIENCE	12
30	Ms. PAYAL MALIK	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	4
31	Mr. MOHIT MISRA	B.TECH. M.TECH. MBA	ASST PROFESSOR	ELECTRONICS & COMM.	5
32	Ms. PRACHI SINGH	B.SC M.A.	ASST PROFESSOR	ENGLISH	1
33	Ms. ARTI SACHDEVA	B.TECH. M.TECH.(PURSUIN G)	ASST PROFESSOR	ELECTRONICS & COMM.	1
34	Mr. SANJEEV KUMAR SRIVASTAVA	BA PGDBM	ASST PROFESSOR	HR & FINANCE	14
35	Mr. ROOP NARAYAN	B.SC. M.SC. PGDBM	PROFESSOR	MECHANICAL	44
36	Ms. NEERJA JINDAL	B.SC. M.SC. NET	ASSOCIATE PROFESSOR	ELECTRONICS PHYSICS	24
37	Mr. RATI RANJAN PANDA	B.A. M.A, MBA B.ED,PH.D.(PURSUI NG)	ASSOCIATE PROFESSOR	ENGLISH, HR	39
38	Ms. POONAM KUMARI	BSC M.TECH. M.SC.	ASST PROFESSOR	ENVIRONMENT AL SC. & ENGG.	14
39	Dr. MAMTA GAUTAM	B.SC. M.SC.	ASST PROFESSOR	ORGANIC CHEMISTRY	17
40	Mr. SANDEEP SHARMA	B.SC(HONS) M.SC B.ED	ASST PROFESSOR	MATHS	15.5
41	Ms. GARIMA BINDAL	B.SC. M.SC. PGDCA,PH.D.(PURS UING)	ASST PROFESSOR	MATHS	8
42	Dr. SHWETA SHARMA	BSC MSC	ASST PROFESSOR	CHEMISTRY	5
43	Ms. LATA SINGH	B A MA MPHIL	ASST PROFESSOR	ENGLISH	
44	Ms. KARTIKA MAHESHWARI	B.SC. M.SC.	ASST PROFESSOR	PHYSICS	6

45	Ms. YASHA TAYAL	B.SC. M.SC.	ASST PROFESSOR	PHYSICS(ELECTRONICS)	6.5
46	Dr. RAJ GOPAL MENDIRATTA	B.SC. M.SC. PH.D	PROFESSOR	PHYSICS	93
47	Ms. CHHAVI SINGH	B.SC. M.SC	ASSOCIATE PROFESSOR	CHEMISTRY	21
48	Dr. KALPANA SINGH	B. SC M.SC B. ED	ASST PROFESSOR	CHEMISTRY	13
49	Ms. JAYA SINGH	B.SC. M.SC. PH.D(PURSUING)	ASST PROFESSOR	PHYSICS	21
50	Dr. VINESH KUMAR	B.SC. M.PHIL PH.D.(SUBMITTED)	ASST PROFESSOR	MATHS	15
51	Ms. SIPRA MOHANTY	B.SC. M.SC. M.PHIL.	ASST PROFESSOR	MATHEMATICS	4.5
52	Mr. PRAMENDRA KUMAR	B.SC MSC NET(UGC-CSIR))	ASST PROFESSOR	INDUSTRIAL MATH	14
53	Mr. ANKIT GARG	B.SC. MCA	ASST PROFESSOR	CSE	10
54	Mrs. SUMATI GUPTA	B.SC. M.SC.	ASST PROFESSOR	CHEMISTRY	27
55	Mr. ROHIT GOEL	B.TECH. MBA	ASST PROFESSOR	COMPUTER SCIENCE	4
56	Ms. STUTI SINGH	B.S.C M.S.C. M. TECH	ASST PROFESSOR	PHYSICS	5.5
57	Dr. SEEMA VERMA	B.A. M.A.	ASST PROFESSOR	ENGLISH	19
58	Dr. KINSHUKI SRIVASTAVA	B.A. M.A.	ASST PROFESSOR	ENGLISH	2
59	Ms. BHAVANA SETHI	B.SC. M.SC. M.PHIL.	ASST PROFESSOR	CHEMISTRY	2.5
60	Ms. DIVYANSHI SHARMA	B.SC. M.SC. PH.D.(PURSUING)	ASST PROFESSOR	CHEMISTRY	6.5
61	Dr. ANURADHA VERMA	B.A. M.A. M.PHIL	ASST PROFESSOR	ENGLISH	10
62	Mr. MANOJ KUMAR SINGH	B.SC. M.PHIL. M.SC.	ASST PROFESSOR	MATHEMATICS	8
63	Dr. GARGI VARSHNEY	B.SC. M.SC(MATHS) M.PHIL.	ASST PROFESSOR	MATHS	17
64	Ms. AMITA TRIPATHY	B.SC. M.TECH.(ENERGY MGMT.) M.SC.(PHYSICS)	ASST PROFESSOR	PHYSICS & ENERGY MGMT.	19
65	Ms. DIVYA SAXENA	B.SC. M.SC.	ASST PROFESSOR	MATHS	16

66	Ms. SONI KUMARI	B.SC. M.TECH.(SOLID STATE MATERIALS) M.SC.	ASST PROFESSOR	PHYSICS	
67	Ms. TWINKLE RAZDAN	B.SC. M.SC. M.PHIL	ASST PROFESSOR	ZOOLOGY & ENV. SC	16
68	Ms. SHALINI GUPTA	B.SC. M.SC.	ASST PROFESSOR		13
69	Mr. KINSHUK JAIN	BCA MBA	ASST PROFESSOR	MARKETING	13

11	List of Senior Visiting faculty	Nil	
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	Nil	
13	Student-Teacher Ratio (program wise)	1:15	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Sanctioned- 8	Filled – 8
15	Qualifications of teaching faculty with DSc/ D.Litt / Ph.D / MPhil / PG.	Details at Sr. No. 10	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	Nil	
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	Nil	
18	Research Centre /facility recognized by the University	Nil	

19	Publication		
		a) Publication per faculty	
		Number of papers published in peer reviewed journals (national / international) by faculty and students	
		Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
		Monographs	
		Chapter in Books	
		Books Edited	
		Books with ISBN/ISSN numbers with details of publishers	
		Citation Index	
		SNIP	
		SJR	
		Impact factor	
		h-index	

S.No.	Name	Name of Workshop/ Seminar/ Conference/FDP	Attended Date	Attended Venue	Duration
1	Mr. Rati Ranjan Panda	Workshop on " Language Lab"	28th Oct. 07	UPTU, Lucknow	"01
2	Dr. (Mrs.) Sunita Goyal	Short Term Course "Environmental Protection and Sustainable Development"	13th - 17th July 2009	NITTTR, Sec.26, Chandigarh	"05 Days
3	Ms. Kartika Maheshwari	Faculty Development Programme on "Effective Teaching of Physics"	21st to 24th Dec. 2009	UPTU Campus, Noida	04 Days

Faculty Attended Workshop / FDP						
S.No.	Name	Name of Conference	Presented Paper Title	National / International	Attended Date	Attended Venue
1	Dr. Vinesh Kumar	An International Conference "Interdisciplinary Approach in Physical Sciences"	"International Academy of Physical Sciences"	International	29th - 31st Dec. 2005	CCS University Campus, Meerut
2	Dr. Amrita Tyagi	National Seminar of " Saarc Literatures in English"	"Genuine Human Feelings and Emotions in Tagor's Poetry"	National	18th - 19th Feb. 2009	Lucknow University, Lucknow
3	Dr. (Mrs.) Sunita Goyal	National Conference on "Revolution in Chemistry : Green Chemistry"	Sustainable Energy Development with Green Fuel and Green Chemistry	National	19th Dec.2012	Institute of Technology and Management, Gurgaon
4	Satyendra Kumar	ICNTS - 26 International Conference on Nuclear Tracks in Solidsin	Two Research Papers: 1. Gamma Rediation induced modification in Physio-chemical properties 2. Study of Natural Radioactivity	International	15th - 19th September 2014	Kobe University (Japan)

Articles published in journals					
S. No.	Name	Published Paper Title	Name of Journal	National / International	Published Year
1	Dr. Prag Singhal	Vibration Analysis of Non-Homogeneous Orthotropic Rectangular Plates of Variable Thickness Resting on Winkler Foundation	Journal of Applied Sciences and Engineering *Vol. 15, No.3, pp.291-300 (2012) (page no. 291)*	International	2013

2	Ms. Garima Bindal	Generalised Differential Quadrature Method in the Study of Free	American Journal of Computational and Applied Mathematics 2012, 2(4): 166-173	International	2012

Books Published by Faculty

S.No.	Name	Published Paper Title	Published By	Year
1	Dr. Vaibhav Shrivastava	"Electrical and Electronics Engineering Materials	Kedar Nath-Ram Nath publication house, Delhi-Meerut.	2011
2	Dr. Vaibhav Srivastava	New UPTU Physics	Pragati Prakashan, Meerut	2008
3	Ms. Meetu Maheshwari	Introduction of Bioinformatics	Katson Books	2008

20	Areas of consultancy and income generated	Nil

21	Faculty as members in
	   a. National committees
	   b. International Committees
	   c. Editorial Boards	

22	Student projects
	   a. Percentage of students who have done in-house projects including inter departmental/programme
	   b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	

23   Awards / Recognitions received by faculty and students

ABES Engineering Collge, Ghaziabad							
Student Event							
S.No.	Name	Branch / Year	Name of Even / Tech Fest	Partcipated in	National / International	Attended Date	Attended Venue	Award
1	*Vaibhav Dubey, Suyash Pandey Kuldeep Kumar Shivangi Sandhya Bhat*	CS - IIIrd year EC-IIIrd year EC-IIIrd year ME-IIIrd year CS-IIIrd year	The Events of Antaragni'12,the Annual Cultural Festivalof IIT Kanpur.	Gladius for Gladius, the English Parlimentary Debate, Short Movie Making (Chronica),Hindi word game (Saptarang),Sports Quize, On spot photography ,creative english writing,hindi poem writing,solo dance,hindi picture perception	National	11-14th oct-2012	IIT Kanpur	No
2	Saurabh Jain, Gaurav Kumar, Anchal Rajvanshi, Sneha Sharad	BIT	ACM India Annual Event 2015	ACM India Annual Event 2015	National	4th-8th Feb-2015	BITS, GOA	No
3	Pinki Mondal, Kritika Agarwal	BIT	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	International	11th-13th March-2015	Bharati vidyapeeth's Institute of Computer Applications and Management(BVICAM-NEW DELHI)	No
4	Shubham Rungta	CS	48th CSI Annual Convention 2013	**A comparative Analysis of a New Approach to a existing one**	International	10-13th-Dec-13	Vishakhapatnam	No
5	***Umashanker Chaudhary***[1] Pooja Yadav[2]	CS EC	BP Singhal Memorial Sports Tournament (2nd) 2014	Chess & Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	got first prize in chess and second prize in badminton
6	**Uarvarshi Kaul**, Palak sharma, Saumya Agarwal, Shilpa Jain	CSE	Proceedings of the 3rd International conference on Soft Computing for Problem Solving	Soft Computing for Problem Solving	International	26-28th-Dec-2013	Saharanpur Campus of IIT Roorkee, Greater Noida	No

7	*Vaibhav Dubey*[1] Sandhya Bhat[2] Suyash Pandey[3] Shivangi[4] Kuldeep Gupta[5]	CSE 3rd	Antaragni-2012 English Literary Events	Gladius for Gladius, the Parlimentary Debate	National	11-14 oct.2012	IIT, Kanpur	
8	*Ashutosh Aggarwal*[1], Nikita Aggarwal[2] Syed Absar Ahmed[3]	CSE 4th	TCS Codavita 2012	TCS Coding Contest	National	03rd Sept. 2012	TCS Pune	
9	Parveen Kumar, Samra Azam,Pushpendra Kumar,Rajkamal Singh,Raghvendra Kumar	EC	ROBO-GALAXY CHAMPIONSHIP- 2014	**INDIAN'S BIGGEST ADVANCE ROBOTICS COMPTITIONS**	National	30-JAN- 05-Feb- 2014	IISC, Bangalore	No
10	Ayush Nagpal	EC	CMAI Declamation Contest	CMAI Declamation On -IT Intellectual Propertg Right- Responsibility & opportunities.	National	19-Apr-14	(National)H.P.University Auditarium ,Shimla	Ist Prize Winner
11	Master Mrinal Shekhar	EC	CMAI Declamation Contest	Is Alternate Energy Important for education & Industry	National	20-Apr-14	(National)H.P.University Auditarium ,Shimla	2nd winner
12	Jyoti Yadav[1+] Rajat Tiwari [2] Shraddha Saxena[3] Sajal Bhardwaj[4]	EC	Inspiralon Robotix Kshitij 2014	Robot X(Technology RobotIX Society	National	31st Jan.- 3rd Feb. 2014	IIT, Kharagpur	No
13	Abhilasha Gupta	EC 4th	Innovation - 2013	A National level Project Competition "C++ Based Key Optics Totor"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	
14	**Shobhit Singh Senghar,** Vivek Kumar Gautam, Sudeep Saxena, Shekhar Dhanger	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01- 2015	IIT Kharagpun	No
15	Shivani,Shradha saxena,shivam shrivastava,Prashant Kumar Gautam,	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01- 2015	IIT Kharagpun	No
16	Shobhit Gupta , Bakleshwar yadav, Bharat Saini,Arpit Mohan Kansal, Yogesh Kumar Tiwari, Tejasv Tyagi,Saurabh Chauchan, Rishabh Jain, Shivam Srivastav,Vaibhav Keshri,Shobit Gupta, Shubham Griwal, Vipul Yadav	ECE	ROBOCON -2015	ROBOCON-2015	National	02-03- 2015 to 09-03- 2015	MIT,Pune	No
17	Sakshi Sharma	ECE	COGNIZANCE -2015	COGNIZANCE -2015	National	27-29th Mar-2015	IIT - Roorkee	No

18	Shyam Arora Vikrant Bajpai Tushar Verma Shashank	EEE	Tech NIT	Battleshp	National	15th -17th Feb. 2013	Dr.B.R. Ambedkar National Institute of Tech., Jalandhar	They stood 2nd Prize
19	**Mudit Sharma1** ,Abhishek Kr. YadavMohit Garg,Sagar Verma,Amzad,Vibhor Papnej, Sohit Rathore, Deepaushu, Hament Gautam, Kapil Singh, Harshit Gupta, Nikhil, Alok, Shreyvats,HArshit	EEE	Some Sports Events :- Aamod-2014 (Sports Meet)	Cultural & Sports Festival,Bareilly **Aamod-2014 (Sports Meet)**	National	21-22-Feb-2014	SRMS Bareilly	No
20	**Rahul Mishra**,Ankur Gupta,Ashish Vimal,GauravArora,Joshita Bisht,Kuldeepak Singh,Manan,Manisha Kashyap, Raunak chaudhary, Shivani Singh,Suman Saurabh,Shubhendra Pratap Singh,Vishal Sagar Singh,Vishesh Shekhasaria	EEE	Hybrid Go-Kart Challenge	Hybrid Go-Kart Challenge	International	18th-19th-08-2014	Maharshi Markendeshwar University Amballa	No
21	Rahul Mishra	EEE	Electric solar vehicle championship(ESVC-2015)	Electric solar vehicle championship(ESVC-2015)	International	07th-08th-11-2014	Hanglaytan University, Alighar	No
22	*Shashank[1]*	EEE 2nd	Robocalypse of Techniche 2013	Technical Fest "Robocalypse"	National	30th Aug. - 01st Sept. 2013	Indian Institute of Technology , Guwahati	They stood 2nd Prize
23	*Sawan Singh[1]* Roshan Nagbanshi[2] Rahul yadav[3] Ruby[4] Sabhyata Kulshreshtha[5]	EEE 4th	Innovation - 2013	A National Level Project Competition on "Home Gas Security System"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	They stood First Position
24	**Shubham Gautam [1]** Vinod Singh [2] Tushar Shrivastava[3] Saksham Gupta[4] (Captain) Shivam Gupta [5]	EEE ME ME CS EEE	Ojasvat 2014	Table Tennis		25th-26th March 2013	Sharda University	No

25	Shashank shandiya , Anubhav Rai	EN	Vidyurja Spreigat Cognizance , IIT Roorkee	Technical Fest	National	27th,28th and 29th-march-15	IIT Roorkee	No
26	Akash Puri1	IT	The 2013 Smarta Planet challenge	**EMANDI-Smarter Conmerce**	International	20th Nov. - 1st Dec. 2013	Co-presented by-IBM, IEEE Advancing Technology for Humanity	No
27	*Sameer[1]* Paras Sachdeva[2]	IT CS	TCS Codevita'13 Final Round	C Devita 2013	National	1st Sept. - 04 Sept. 2013	TCS Yantra Park, Thane , Mumbai	No
28	***Akash Puri[1]*** Prakhar Bansal[2] Tulika Aggarwal[3] Varsha Agarwal[4]	IT IV CS CS CS	IBM The Great Mind Challenge 2012	The 2013 Smarta Planet challenge	International	6th Nov. - 8th Nov. 2013	"IBM ,EMBASSY GOLF LINK PARK, BANGALORE" "IBM India P. Ltd. , Banglore	No
29	***Kushagra Saxena[1]*** Aviral[2] Nidhish[3] Ankit Shriwal[4]	ME EC EC CS	BP Singhal Memorial Sports Tournament (2nd) 2014	Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	No

24	List of eminent academicians and scientists / visitors to the department	None
25	eminars/ Conferences/Workshops organized & the source of funding a. National b. International	NA

26. Student profile programme/course wise (2014-15):

Name of the Course / program (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
First Year Integrated Course	-	B.Tech-1020 MCA -120 MBA -120	930	289	97%

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
AS&H			Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	NA
Entrepreneurship/Self-employment	NA

30. Details of Infrastructural facilities

a. Library - Besides Central library department maintains its library for reference purpose only.
b. Internet facilities for Staff & Students – the whole campus has internet facility with   Wi-Fi Mode
c. Class rooms with ICT facility – All the class rooms have ICT Facility and Air Conditioned
d. Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies

In our state (Uttar Pradesh), the economically weaker section people whose wards undertake higher studies, their tuition fee as approved by the government is reimbursed by Social Welfare Department of the State. As per the current guidelines the eligible students apply through the college and receive the tuition fee directly into their saving accounts from Social Welfare Department. The details of application submitted under various categories in the last four years is given at 5.1.3 of SSR.

Institution spends significant amounts for the benefit of students in the form of scholarship and free ships. The details of awards given by the college is given at 5.1.2 of SSR.

32. Details on student enrichment program (special lectures / workshops/ seminar) with external experts
The comprehensive details have been given at 5.3.4 of SSR.

33. Teaching methods adopted to improve student learning
The details have been provided at Sr. No. 2.3.1, 2.3.3, and 2.3.5 of SSR.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
1.3.4 of SSR provides details of above mentioned query.
35. SWOC analysis of the department and Future plans

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Evaluative Report of Civil Engineering Department

1	Name of the department	Civil Engineering Department
2	Year of the Establishment	2011
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	Under Graduate-B.Tech
4	Names of Interdisciplinary courses and the departments / units involved	None
5	Annual/ semester/choice based credit system (programme wise)	Semester Based
6	Participation of the department in the courses offered by other departments	Not Involved
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	None
8	Details of courses /programmes discontinued (if any) with reasons	None

		Post	**Sanctioned**	**Filled**
9	No. of teaching posts	Prof.	2	2
		Asso. Prof.	5	4
		Asst. Prof.	13	14

10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S.No	Faculty Name	Qualification	Exact Designation	Areas of Specialization	Total Experience in Years
1	Mr. AMIT BAZAZ	B.TECH. M.TECH.	ASST PROFESSOR	CEM	2
2	Ms. APARAJITA SINGH	B.TECH. M.TECH.(PURSUING)	ASST PROFESSOR	CIVIL ENGG.	1
3	Mr. MADAN LAL SADANA	B.E. M.E. POST DOCTORAL	PROFESSOR	CIVIL ENGG.	44
4	Mr. SAURABH CHAURASIA	B.TECH. M.TECH.	ASST PROFESSOR	SOIL DYNAMICS	2
5	Ms. VINEETA PAL	B.TECH. M.TECH.	ASST PROFESSOR	CONSTRUCTION	2

6	Mr. AYUSH KUMAR	B.TECH.	ASST PROFESSOR	CIVIL ENGG.	
7	Mr. RAFIYA MAJEED KHAN	B.TECH. M.TECH.(PURSUING)	ASST PROFESSOR	CIVIL ENGG.	
8	Mr. UZAIR KHAN	B.TECH,	ASST PROFESSOR	CIVIL ENGINEERING	1
9	Mr. SACHIN GOEL	B.TECH. SMP	PROFESSOR	CIVIL	18
10	Mr. AKHIL GUPTA	B.TECH. M.TECH.	ASST PROFESSOR	HYDRAULIC & FLOOD CONTROL	2
11	Mr. SANDEEP KUMAR TRIPATHI	B.TECH. M.TECH.	ASST PROFESSOR	ENVIRONMENTAL ENGG.	3
12	Ms. HINA GUPTA	B.TECH. M.TECH. GATE SCORER	ASST PROFESSOR	STRUCTURAL ENGG.	1
13	Mr. DUSHYANT KUMAR SAHU	B.TECH. M.TECH.	ASST PROFESSOR	STRUCTURAL ENGINEERING	1
14	Ms. SHIPRA .	B.TECH. M.TECH.	ASST PROFESSOR	STRUCTURE	1
15	Mr. MANISH KUMAR	B.TECH. M.TECH.	ASST PROFESSOR	GEOTECHNICAL	3
16	Dr. SURENDRA KUMAR	B.TECH.(CIVIL ENGG.) M.TECH.(EARTHQUAKE ENGG.) PH.D.(CIVIL ENGG.)	DIRECTOR	SOIL DYNAMICS	34
17	Mr. SUNIL KUMAR GHOSH	B.TECH. M.TECH.	PROFESSOR	CIVIL	
18	Dr. A M CHANDRA	B.E. M.E.	HEAD OF DEPT	CIVIL	77
19	Mr. RAJESH KUMAR SHARMA	B.TECH. M.TECH.	ASSOCIATE PROFESSOR	STRUCTURAL ENGINEERING & CONST	25
20	Ms. NAURAS SAIYED	B.E. M.E.	ASST PROFESSOR	HYD. STRUCTURE	11

11	List of Senior Visiting faculty	Nil
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	Nil
13	Student-Teacher Ratio (program wise)	1:15
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Sanctioned- 3 Filled - 3
15	Qualifications of teaching faculty with DSc/ D.Litt /	Details at Sr. No. 10

	Ph.D / MPhil / PG.	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	None
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	None
18	Research Centre /facility recognized by the University	Nil

19	Publication
	a) Publication per faculty
	Number of papers published in peer reviewed journals (national / international) by faculty and students
	Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
	Monographs/Chapter in Books/ Books Edited/ Books with ISBN/ISSN numbers with details of publishers/ Citation Index/SNIP/ SJR/ Impact factor/ h-index

20	Areas of consultancy and income generated	Nil
21	Faculty as members in a. National committees b. International Committees c. Editorial Boards	
22	Student projects a. Percentage of students who have done in-house projects including inter departmental/programme b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	
23	Awards / Recognitions received by faculty and students	
24	List of eminent academicians and scientists / visitors to the department	
25	eminars/ Conferences/Workshops organized & the source of funding a. National b. International	

26. Student profile programme/course wise:

Name of the Course / program (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
Civil Engineering		124	120	4	NA

*M = Male   *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Civil Engineering	127	10	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

Student progression	Against % enrolled
UG to PG	The first batch will qualify in 2015.
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed • Campus selection • Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

   e. Library - Besides Central library department maintains its library for reference purpose only.
   f. Internet facilities for Staff & Students – the whole campus has internet facility with   Wi-Fi Mode
   g. Class rooms with ICT facility – All the class rooms have ICT Facility and Air Conditioned
   h. Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies

   In our state (Uttar Pradesh), the economically weaker section people whose wards undertake higher studies, their tuition fee as approved by the government is reimbursed by Social Welfare Department of the State. As per the current guidelines the eligible students apply through the college and receive the tuition fee directly into their saving accounts from Social Welfare Department. The details of application submitted under various categories in the last four years is given at 5.1.3 of SSR.

Institution spends significant amounts for the benefit of students in the form of scholarship and free ships. The details of awards given by the college is given at 5.1.2 of SSR.

32. Details on student enrichment program (special lectures / workshops/ seminar) with external experts
The comprehensive details have been given at 5.3.4 of SSR.

33. Teaching methods adopted to improve student learning
The details have been provided at Sr. No. 2.3.1, 2.3.3, and 2.3.5 of SSR.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
1.3.4 of SSR provides details of above mentioned query.
35. SWOC analysis of the department and Future plans

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EVALUATIVE REPORT OF COMPUTER SCIENCE ENGINEERING DEPARTMENT

1	Name of the department	Computer Science and Engineering Department
2	Year of the Establishment	2000
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	UG : B.Tech – Computer Science & Engineering PG : M.Tech (Computer science & engineering)
4	Names of Interdisciplinary courses and the departments / units involved	Engg. Maths- AS&H Science Based Elective - AS&H Microprocessor – ECE Indl. Psychology – MBA Indl. Sociology – MBA Engg. & Mgrl. Eco. - MBA
5	Annual/ semester/choice based credit system (programme wise)	Semester Based
6	Participation of the department in the courses offered by other departments	a. Date Structure b. Cyber-Security c. Soft Computing d. Technical Training
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	NA
8	Details of courses /programmes discontinued (if any) with reasons	None

		Post	Sanctioned	Filled
9	No. of teaching posts	Prof.	5	4
		Asso. Prof.	10	12
		Asst. Prof.	29	32

10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S.No	Faculty Name	Qualification	Exact Designation	Areas of Specialization	Total Experience in Years
1	Ms. ISHA JAUHARI	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	4
2	Ms. SONAL GUPTA	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENEC	1
3	Dr. RADHAKRISHNAN RAMASWAMI	B.TECH. M.TECH.	HEAD OF DEPT	COMPUTER NETWORK	49
4	Mr. VINAY KUMAR KAUSHIK	B.TECH. M.TECH. GATE SCORER	ASST PROFESSOR	COMPUTER SCIOENCE	1
5	Ms. AKSHI BHUTANI	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	1
6	Mr. SAIKAT BANERJEE	B.TECH. M.TECH.	ASST PROFESSOR	IT	
7	Ms. SUNITA TIWARI	B.TECH. M.TECH. MBA	ASSOCIATE PROFESSOR	COMPUTER SCIENCE	11

8	Ms. DEEPTI RANA	B.TECH. M.TECH.	ASST PROFESSOR	IT	1
9	Ms. ANUPAMA PADHA	BTECH MTECH	ASST PROFESSOR	COMPUTER SCIENCE	5
10	Dr. HARI OM UPADHYAY	B.SC. M.SC. MCSE	PROFESSOR	WEBTECHNOLOGY	6
11	Dr. AJAY KUMAR AGARWAL	BE M.TECH. MBA	PROFESSOR	CSE, ECE	
12	Ms. MADHU KHURANA	B.SC. M.TECH. MCA	ASSOCIATE PROFESSOR	CSE	
13	Mr. DESH DEEPAK PATHAK	B.TECH. M.TECH. GATE	ASST PROFESSOR	COMPUTER SCIENCE	4.5
14	Ms. SHIVANI SALUJA	B.TECH. M.TECH. NET	ASST PROFESSOR	COMPUTER SCIENCE	1.6
15	Mr. GOPAL GUPTA	B.TECH. M.TECH.(PURSUING)	ASST PROFESSOR	CSE	11
16	Ms. AMRITA JYOTI	B.TECH. M.TECH.	ASST PROFESSOR	CSE	15
17	Mr. ROHIT RASTOGI	B.E. M.TECH	ASST PROFESSOR	CSE	17
18	Mrs. RASHMI SHARMA	B.SC. M.TECH. MCA	ASSOCIATE PROFESSOR	CSE	22
19	Mr. GAURAV KANSAL	BE M.TECH.	ASSOCIATE PROFESSOR	CSE	13
20	Mr. PUNEET KUMAR GOYAL	B.E. M.TECH.(PURSUING)	ASST PROFESSOR	CSE	13
21	Mr. SUNEET KUMAR GUPTA	B.TECH. M.TECH. PH.D.(PURSUING)	ASSOCIATE PROFESSOR	IT	15
22	Mr. AMIT AGARWAL	BSC M.TECH MSC	ASSOCIATE PROFESSOR	CSE	21
23	Mr. DEVENDRA SINGH BHARANGAR	BE ME CCNA	ASST PROFESSOR	CSE	15
24	Mr. SUBHASH PUNHANI	B.SC. M.TECH MSC	PROFESSOR	COMPUTER SCIENCE & ENGINNERING	42
25	Ms. NIDHI SINGH	B.TECH. M.TECH.(PURSUING)	ASST PROFESSOR	COMPUTER SCIENCE & ENGINNERING	5
26	Mr. MRADUL JAIN	B.TECH M.TECH(PURSUING) PGDIT	ASSOCIATE PROFESSOR	COMPUTER SCIENCE & ENGINNERING	19
27	Mr. ANMOL JAIN	B.TECH M.TECH PGDIT	ASSOCIATE PROFESSOR	COMPUTER SCIENCE & ENGINNERING	19
28	Mr. ATUL KUMAR	B.TECH.(CSE) M.TECH.(IT)	ASST PROFESSOR	CSE	3
29	Ms. MADHVI GAUR	B.TECH.(CSE) M.TECH.(CSE)	ASST PROFESSOR	CSE	3
30	Ms. NIKITA JOSHI	B.TECH.(ECE) M.TECH.(CSE)	ASST PROFESSOR	CSE	3
31	Ms. SHWETA SRIVASTAVA	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	2
32	Mr. SUNIL KUMAR	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	5.5
33	Mr. RAVI KUMAR	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	3
34	Ms. RASHMI MISHRA	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	3
35	Mr. PRABHAT SINGH	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	3

36	Mr. HARSH KHATTER	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	3
37	Mr. ABHISHEK KUMAR GAUR	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	3
38	Mr. MUNESH CHANDRA TRIVEDI	B.TECH. M.TECH.	PROFESSOR	COPUTER SCIENCE	11
39	Ms. POOJA SAHARAN	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	3
40	Ms. PRATIBHA SINGH	B.TECH. M.TECH. PH.D	ASSOCIATE PROFESSOR	COMPUTER APPLICATIONS JCA	9
41	Mr. SANTOSH KUMAR PAUL	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	8
42	Mr. VIRENDRA KUMAR YADAV	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	2
43	Mr. SHYAM SINGH RAJPUT	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	1
44	Ms. RUCHI GUPTA	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	1
45	Mr. BAIJ NATH KAUSHIK	B.TECH. M.TECH.	ASSOCIATE PROFESSOR	COMPUTER SCIENCE	17
46	Ms. POONAM PANDEY	BTECH MTECH GATE SCORER	ASST PROFESSOR	INFORMATION SECURITY	2
47	Ms. VANDANA GUPTA	BTECH M.TECH.(PURSUING)	ASST PROFESSOR	COMPUTER SCIENCE & ENGINNERING	5
48	Ms. SONAM ARORA	B. TECH. PGDIT, M.TECH.(PURSUING)	ASST PROFESSOR	COMPUTER SCIENCE & ENGINNERING	7

11	List of Senior Visiting faculty	Nil	
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	Nil	
13	Student-Teacher Ratio (program wise)	1:15	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Sanctioned- 4	Filled - 4
15	Qualifications of teaching faculty with DSc/ D.Litt / Ph.D / MPhil / PG.	Details at Sr. No. 10	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	National -02 Faculty, Grant – 5.45 Lacs International – Nil	
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	Project funded – 02 Grant Received – 4.25 Lacs from MSME , 1.20 Lacs from DST	
18	Research Centre /facility recognized by the University	Nil	

19	Publication	
		a) Publication per faculty	
		Number of papers published in peer reviewed journals (national / international) by faculty and students	
		Number of publications listed in International Database (For Eg: Web of Science,	

		Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
		Monographs	
		Chapter in Books	
		Books Edited	
		Books with ISBN/ISSN numbers with details of publishers	
		Citation Index	
		SNIP	
		SJR	
		Impact factor	
		h-index	

S.No.	Name	Name of Conference	Presented Paper Title	National / International	Attended Date	Attended Venue
1	Ms. Madhu Khurana	National Conference on " Information & Emerging Technologies"	"Wimax- the New Broadband Wireless Technology"	National	07th - 08th Sept. 2007	Ropar-Punjab
2	Mr. Rohit Rastogi	National Conference on "Research & Development in computational & IT (ncrdcit,12)	"Clustering of Mixed variety of data using D&C Approach"	National	7th - 8th Sept. 2012	Deptt. of IT , SRM University NCR Campus, Modinagar
		National Conference on "Research & Development in computational & IT (ncrdcit,12)	"Unsupervised learning of Mixed Type of Attributes Using Genetic Algorithm"	National	7th - 8th Sept. 2012	Deptt. of IT , SRM University NCR Campus, Modinagar
		Students Conference on "Science and Spiritual Quest"	Science and Spirituality	National	15th-17th Jan.2010	MNNIT, Allahabad
		3rd International Conference on "Soft Computing for Problem Solving"	Unsupervised Classification of Mixed Data Type of Attributes Using Genetic Algorithm (Numeric, Categorical, Ordinal, Binary, Ration-Scaled)	International	26 - 28 Dec. 2013	Saharnpur Campus of IIT Roorkee, Greater Noida
		09th INDIAcom.;2015 (BVICAM) International confernance on Computing for sustainable Global Development.	**International**	**International**	12-Mar-15	A Novel Approach for Vehicale Tracking system for traffic jam problem
3	Ms. Nidhi Singh	2nd International conference on " Computer, Communication , Control and IT" (C3IT-2012). The paper is available on http://www.sciencedirect.com/science/article/pii/S2212017312003167.	"A Novel Approach for Content Based Image Reterival"	International	25-26, February 2012	Academy of Technology Hooghly, West Bengal India
4	Mr. Virendra Kumar Yadav	International Conference on Electronics and Communication Systems	Approach to Accurate Circle Detection: Circular Hough Transform and Local Maxima Concept	International	13th - 14th February 2014	Karpagam College of Engineering, Coimbatore
5	Mr. Shyam Singh Rajput	International Conference on Signal Processing and Integrated Networks	Comparative Analysis of Random Early Detection & Virtual Output Queue Algorithms in Differentiated Services Network	International	20th - 21st February 2014	AMITY University

S.No.	Name	Name of Workshop/ Seminar/ Conference/FDP	Attended Date	Attended Venue	Duration	OD
6	Mr. Harsh Khatter	CSI 6th International Conference on "Softwear Engineering"	"A New Approach to Blog Infromation Searching and Curating"	International	5th -7th Sept. 2012	Indore
1	Mr. Anmol Jain	Faculty Development Programme on "Network Simulator (ns2)	15th -16th Feb. 2013	IT ,AKGEC	"02 Days	Yes
		It Infrastructure & Management	"05-07th Feb.2008	AKGEC, Gzb.	"03 Days	Yes
2	Mr. Sunil Kumar	Faculty Development Programme on "Network Simulator (ns2)	15th -16th Feb. 2013	IT ,AKGEC	"02 Days	Yes
3	Mr. Harsh Khatter - CS	Faculty Development Programme on " Linux Essentials & Handling Indian Language Text"	04th Oct. 2012	JSS Academy of Technical Education , Noida	01 Day	Yes
4	Ms. Vandana Gupta	Faculty Development Programme on " Mobile AD- Hoc Networks (MANTEC)"	24 Aug, 2012 & 25 Aug , 2012	AKGEC, Gzb.	02 Days	yes
1	Ms. Madhu Khurana	National Seminar on "Informatiom Security: Emerging Threats and Innovation in 21st Century"	National	"04th April 2009	ITS, Gzb.	"01 Day

S. No.	Name	Published Paper Title	Name of Journal	National / International	Published Year	Details of Journal
1	Dr. H.O. Upadhyay	Use of Modified Binary Decision Diagrams In Reliability Evaluation of a Directed Computer Communication Network	The ICFAI University Journals of Computer Sciences, Science and Spiritual Quest *Vol.-III , No.3,2009 (page no. 23-30)*		2010	The ICFAI University Journals of Computer Sciences, Science and Spiritual Quest www.iupindia.org
2	Mr. Mradul Jain	A Review on Robust Face Detection Method Using Gabor Wavelets	International Journal of Innovative Research in Science, Engineering and Technology *Vol.2, Issue 3, March 2013 (page no.604-611)*	International	2013	International Journal of Innovative Research in Science, Engineering and Technology ISSN : 2319-8753 www.ijcst.com

		"Cross Lingual Information Retrieval with SMT and Query Mining" for September 2011 edition is published in	"International Journal of Computer Science & IT (IJCSIT) Vol. 2, Number 5" with co-authors Mr. Suneet Kr. Gupta & Mr. Mradul Jain, ABES Engineering College, Ghaziabad. airccse.org/journal/acij/current2011.html.	International	2011	"International Journal of Computer Science & IT (IJCSIT) Vol. 2, Number 5" with co-authors Mr. Suneet Kr. Gupta & Mr. Mradul Jain, ABES Engineering College, Ghaziabad. airccse.org/journal/acij/current.html.
3	Ms. Amrita Jyoti	Secure Agent in the Semantic Web	International Journal of Research in Science,Engineering and Technology Vol. 2, Issue3, March 2013 (page no.554-558)	International	2013	International Journal of Research in Science,Engineering and Technology ISSN ; 2319-8753 www.ijirset.com
4	Mr. Puneet Kumar Goyal	A Review on Robust Face Detection Method Using Gabor Wavelets	International Journal of Innovative Research in Science, Engineering and Technology Vol.2, Issue 3, March 2013 (page no.604-611)	International	2013	International Journal of Innovative Research in Science, Engineering and Technology ISSN : 2319-8753 www.ijcst.com
5	Mr. Rohit Rastogi	Clustering of Mixed variety of Data Using D&C Approach (Categorical , Numeric, Binary, Irdinal, and Nominal, Ratio- Scaled Datum)	International Journal of Capture of Science and Technology Vol. 3 Issue 4,Oct. Dec. 2012 (page no-335-339)	International	2012	International Journal of Computer Science & Technology ISSN : 0976-8491 ISSN : 2229-4333 www.ijcst.com
		A Backtracking Based Approach for Unsupervised Learning for Mixed Type of Data through K-Mean Based Method	International Journal of Engineering and Innovative Techmology Vol.2, Issue 4, Oct. 2012 (page no.51-55)	International	2012	International Journal of Engineering and Innovative Techmology ISSN : 2277-3754 ISO 9001:2008 Certified www.ijeit.com
6	Mr. Gopal Gupta	Secure Agent in the Semantic Web	International Journal of Research in Science,Engineering and Technology Vol. 2, Issue3, March 2013 (page no.554-558)	International	2013	International Journal of Research in Science,Engineering and Technology ISSN ; 2319-8753 www.ijirset.com

S.No.	Name					
7	Ms. Nandita Goyal Bhatnagar - **was on ML from Jul'12 to 15.01.13**	" A comparative study of differentiation between macintosh and Windows operating system"	"International Journal of research in engineering , IT and social sciences" Issue (vol2)	International	30-Jun-12	"International Journal of research in engineering , IT and social sciences" June issue(vol2) released on 30 June 2012
		"Dynamic load balancing for cloud computing using mobile agents"	"International Journal of Advanced Research in Computer Science and Software Engineering" issue	International	Dec.2013	"International Journal of Advanced Research in Computer Science and Software Engineering" issue
8	Ms. Rashmi Mishra - **On ML wef 18.07.13 to 31.12.13**	Secure Agent in the Semantic Web	International Journal of Research in Science,Engineering and Technology Vol. 2, Issue3, March 2013 (page no.554-558)	International	2013	International Journal of Research in Science,Engineering and Technology ISSN ; 2319-8753 www:ijirset.com

S.No.	Name	Published Paper Title	Published By	Year		
1	Mr. Anuranjan Mishra	E-Commerce	Galgotia Publisher	2006		
2	Mr. Anuranjan Mishra	E-Business	Galgotia Publishing , New Delhi	2008		
3	Mr. Anuranjan Mishra	Web Technology	Laxmi Publication, New	2008		
4	Mr. Anuranjan Mishra	Computer Networks	Acme Learning, New Delhi	2010		
5	Mr. Anuranjan Mishra	Human Values & Professional Ethics	A.B. Publications, New Delhi	2010		
6	Mr. Anuranjan Mishra	Industrial Psychology	A.B. Publications, New Delhi	2010		
7	Mr. Anuranjan Mishra	Industrial Sociology	A.B. Publications, New Delhi	2010		
8	Mr. Anuranjan Mishra	Organisational Behaviour	A.B. Publications, New Delhi	2010		
9	Mr. Anuranjan Mishra	Principles & Practice of Management	A.B. Publications, New Delhi	2010		

20	Areas of consultancy and income generated	Nil	
21	Faculty as members in a. National committees b. International Committees c. Editorial Boards	a. b. c.	03 12 02
22	Student projects a. Percentage of students who have done in-house projects including inter departmental/programme b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	a. b.	100% Nil

23   Awards / Recognitions received by faculty and students

ABES Engineering College, Ghaziabad							
Student Event							
S.No.	Name	Branch / Year	Name of Even / Tech Fest	Partcipated in	National / International	Attended Date	Attended Venue	Award
1	*Vaibhav Dubey, Suyash Pandey Kuldeep Kumar Shivangi Sandhya Bhat*	CS - IIIrd year EC-IIIrd year EC-IIIrd year ME-IIIrd year CS-IIIrd year	The Events of Antaragni'12,the Annual Cultural Festivalof IIT Kanpur.	Gladius for Gladius, the English Parliamentary Debate, Short Movie Making (Chronica),Hindi word game (Saptarang),Sports Quize, On spot photography ,creative english writing,hindi poem writing,solo dance,hindi picture perception	National	11-14th oct-2012	IIT Kanpur	No
2	Saurabh Jain, Gaurav Kumar, Anchal Rajvanshi, Sneha Sharad	BIT	ACM India Annual Event 2015	ACM India Annual Event 2015	National	4th-8th Feb-2015	BITS, GOA	No
3	Pinki Mondal, Kritika Agarwal	BIT	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	International	11th-13th March-2015	Bharati vidyapeeth's Institute of Computer Applications and Management(BVICAM-NEW DELHI)	No
4	Shubham Rungta	CS	48th CSI Annual Convention 2013	**A comparative Analysis of a New Approach to a existing one**	International	10-13th-Dec-13	Vishakhapatnam	No
5	**Umashanker Chaudhary[1]** Pooja Yadav[2]	CS EC	BP Singhal Memorial Sports Tournament (2nd) 2014	Chess & Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	got first prize in chess and second prize in badminton
6	**Uarvarshi Kaul**, Palak sharma, Saumya Agarwal, Shilpa Jain	CSE	Proceedings of the 3rd International conference on Soft Computing for Problem Solving	Soft Computing for Problem Solving	International	26-28th-Dec-2013	Saharanpur Campus of IIT Roorkee, Greater Noida	No

7	**Vaibhav Dubey[1]** Sandhya Bhat[2] Suyash Pandey[3] Shivangi[4] Kuldeep Gupta[5]	CSE 3rd	Antaragni-2012 English Literary Events	Gladius for Gladius, the Parlimentary Debate	National	11-14 oct.2012	IIT, Kanpur	
8	**Ashutosh Aggarwal[1],** Nikita Aggarwal[2] Syed Absar Ahmed[3]	CSE 4th	TCS Codavita 2012	TCS Coding Contest	National	03rd Sept. 2012	TCS Pune	
9	Parveen Kumar, Samra Azam,Pushpendra Kumar,Rajkamal Singh,Raghvendra Kumar	EC	ROBO-GALAXY CHAMPIONSHIP- 2014	**INDIAN'S BIGGEST ADVANCE ROBOTICS COMPTITIONS**	National	30-JAN- 05-Feb- 2014	IISC, Bangalore	No
10	Ayush Nagpal	EC	CMAI Declamation Contest	CMAI Declamation On -IT Intellectual Propertg Right- Responsibility & opportunities.	National	19-Apr-14	(National)H.P.University Auditarium ,Shimla	Ist Prize Winner
11	Master Mrinal Shekhar	EC	CMAI Declamation Contest	Is Alternate Energy Important for education & Industry	National	20-Apr-14	(National)H.P.University Auditarium ,Shimla	2nd winner
12	**Jyoti Yadav[1+]** Rajat Tiwari [2] Shraddha Saxena[3] Sajal Bhardwaj[4]	EC	Inspiralon Robotix Kshitij 2014	Robot X(Technology RobotIX Society	National	31st Jan.- 3rd Feb. 2014	IIT, Kharagpur	No
13	Abhilasha Gupta	EC 4th	Innovation - 2013	A National level Project Competition "C++ Based Key Optics Totor"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	
14	**Shobhit Singh Senghar,** Vivek Kumar Gautam, Sudeep Saxena, Shekhar Dhanger	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01- 2015	IIT Kharagpun	No
15	Shivani,Shradha saxena,shivam shrivastava,Prashant Kumar Gautam,	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01- 2015	IIT Kharagpun	No
16	Shobhit Gupta , Bakleshwar yadav, Bharat Saini,Arpit Mohan Kansal, Yogesh Kumar Tiwari, Tejasv Tyagi,Saurabh Chauchan, Rishabh Jain, Shivam Srivastav,Vaibhav Keshri,Shobit Gupta, Shubham Griwal, Vipul Yadav	ECE	ROBOCON -2015	ROBOCON-2015	National	02-03- 2015 to 09-03- 2015	MIT,Pune	No
17	Sakshi Sharma	ECE	COGNIZANCE -2015	COGNIZANCE -2015	National	27-29th Mar-2015	IIT - Roorkee	No

18	Shyam Arora Vikrant Bajpai Tushar Verma Shashank	EEE	Tech NIT	Battleshp	National	15th -17th Feb. 2013	Dr.B.R. Ambedkar National Institute of Tech., Jalandhar	They stood 2nd Prize
19	**Mudit Sharma1** ,Abhishek Kr. YadavMohit Garg,Sagar Verma,Amzad,Vibhor Papnej, Sohit Rathore, Deepaushu, Hament Gautam, Kapil Singh, Harshit Gupta, Nikhil, Alok, Shreyvats,HArshit	EEE	Some Sports Events :- Aamod-2014 (Sports Meet)	Cultural & Sports Festival,Bareilly **Aamod-2014 (Sports Meet)**	National	21-22-Feb-2014	SRMS Bareilly	No
20	**Rahul Mishra**,Ankur Gupta,Ashish Vimal,GauravArora,Joshita Bisht,Kuldeepak Singh,Manan,Manisha Kashyap, Raunak chaudhary, Shivani Singh,Suman Saurabh,Shubhendra Pratap Singh,Vishal Sagar Singh,Vishesh Shekhasaria	EEE	Hybrid Go-Kart Challenge	Hybrid Go-Kart Challenge	International	18th-19th-08-2014	Maharshi Markendeshwar University Amballa	No
21	Rahul Mishra	EEE	Electric solar vehicle championship(ESVC-2015)	Electric solar vehicle championship(ESVC-2015)	International	07th-08th-11-2014	Hanglaytan University, Alighar	No
22	*Shashank[1]*	EEE 2nd	Robocalypse of Techniche 2013	Technical Fest "Robocalypse"	National	30th Aug. - 01st Sept. 2013	Indian Institute of Technology , Guwahati	They stood 2nd Prize
23	*Sawan Singh[1]* Roshan Nagbanshi[2] Rahul yadav[3] Ruby[4] Sabhyata Kulshreshtha[5]	EEE 4th	Innovation - 2013	A National Level Project Competition on "Home Gas Security System"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	They stood First Position
24	**Shubham Gautam [1]** Vinod Singh [2] Tushar Shrivastava[3] Saksham Gupta[4] (Captain) Shivam Gupta [5]	EEE ME ME CS EEE	Ojasvat 2014	Table Tennis		25th-26th March 2013	Sharda University	No

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25	Shashank shandiya , Anubhav Rai	EN	Vidyurja Spreigat Cognizance , IIT Roorkee	Technical Fest	National	27th,28th and 29th-march-15	IIT Roorkee	No
26	Akash Puri1	IT	The 2013 Smarta Planet challenge	**EMANDI-Smarter Conmerce**	International	20th Nov. - 1st Dec. 2013	Co-presented by-IBM, IEEE Advancing Technology for Humanity	No
27	*Sameer[1]* Paras Sachdeva[2]	IT CS	TCS Codevita'13 Final Round	C Devita 2013	National	1st Sept. - 04 Sept. 2013	TCS Yantra Park, Thane , Mumbai	No
28	***Akash Puri[1]*** Prakhar Bansal[2] Tulika Aggarwal[3] Varsha Agarwal[4]	IT IV CS CS CS	IBM The Great Mind Challenge 2012	The 2013 Smarta Planet challenge	International	6th Nov. - 8th Nov. 2013	"IBM ,EMBASSY GOLF LINK PARK, BANGALORE" "IBM India P. Ltd. , Banglore	No
29	***Kushagra Saxena[1]*** Aviral[2] Nidhish[3] Ankit Shriwal[4]	ME EC EC CS	BP Singhal Memorial Sports Tournament (2nd) 2014	Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	No

24   List of eminent academicians and scientists / visitors to the department

From Academia	From Industry
Prof. Kukjin Chun, Prof. & Dean, Seoul National University, South Korea	Ms. Sangita Garg TCS
Dr. Sandeep Rakshit, Dean School of Computing, Kazirangaa Univesiity Jorhat Assam	Dr. Ravi K Reddi, Team Architect, IBM Hyderabad
Dr. V.K. Agarwal, USA	Dr. Maaneesh Pandey Frescale Semiconductor, Noida
Dr. Teshewang Lhendup, Royal University of Bhutan	Mr. Rajeev Agarwal, Secretary TRAI (Govt. of India) New Delhi
Dr. Rajesh Prasad, Yobe State University, Nigeria	Mr. Manjit Singh, G.M. (Retd), D.O.T., Govt. of India , New Delhi

25	Seminars/ Conferences/Workshops organized & the source of funding a. National b. International	 a. Workshot 03 funded by NITTR Chandigargh b. 01 Funded by IEEE

26. Student profile programme/course wise:

Name of the Course / program (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Tech		710	457	253	95%
M.Tech		11	2	9	100

*M = Male   *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Tech	92.7	7.3	Nil
M.Tech	91	9	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
20 Students

29. Student progression

Student progression	Against % enrolled
UG to PG	32
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	 116 20
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

   (iii) Library - Besides Central library department maintains its library for reference purpose only.
   (iv) Internet facilities for Staff & Students – the whole campus has internet facility with   Wi-Fi Mode
   (v) Class rooms with ICT facility – All the class rooms have ICT Facility and Air Conditioned
   (vi) Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies

   In our state (Uttar Pradesh), the economically weaker section people whose wards undertake higher studies, their tuition fee as approved by the government is reimbursed by Social Welfare Department of the State. As per the current guidelines the eligible students apply through the college and receive the tuition fee directly into their saving accounts from Social Welfare Department. The details of application submitted under various categories in the last four years is given at 5.1.3 of SSR.

   Institution spends significant amounts for the benefit of students in the form of scholarship and free ships. The details of awards given by the college is given at 5.1.2 of SSR.

32. Details on student enrichment program (special lectures / workshops/ seminar) with external experts
   The comprehensive details have been given at 5.3.4 of SSR.

33. Teaching methods adopted to improve student learning
   The details have been provided at Sr. No. 2.3.1, 2.3.3, and 2.3.5 of SSR.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
   1.3.4 of SSR provides details of above mentioned query.
35. SWOC analysis of the department and Future plans
   Strength
      • Excellent infrastructure
      • Good Rank student admitted

- Center of excellence by the IBM/MSIT academy
- Highly qualified, experienced faculty

Weakness:

- Less Number of R&D Projects/Patents/Consultancy
- Paucity of time for research

Opportunities:

- More possible ways to formulate research and consultancy projects with other institutions and industry
- Promotiing Faculty interaction with outside world

Chalanges

- Motivating students for higher education challenges
- To improve gap between top ranking students and slow learners.
- Syllabus is not meetng the current trends of industry. It should be revised regularly.
- Faculty retrieval is required because of their regular movement.

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EVALUATIVE REPORT OF ELECTRONIC AND COMMUNICATION ENGINEERING DEPARTMENT

1	Name of the department	Electronics and Communication Engineering Department
2	Year of the Establishment	2000
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	Under Graduate-B.Tech
4	Names of Interdisciplinary courses and the departments / units involved	(i) Engg. Maths- AS&H (ii) Science Based Electives –AS&H (iii) Data Structure – IT (iv) Indl. Psychology – MBA (v) Indil. Sociology – MBA (vi) Engg. & Mgrl. Eco. – MBA (vii) Electric Drives –EEE
5	Annual/ semester/choice based credit system (programme wise)	Semester Based
6	Participation of the department in the courses offered by other departments	(i) Funds. Of EM Theory (ii) Analog Integrated Electronics (iii) Analog & Digital Comm. (iv) Satellite Comm.
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	None
8	Details of courses /programmes discontinued (if any) with reasons	None

9	No. of teaching posts	Post	Sanctioned	Filled
		Prof.	5	3
		Asso. Prof.	11	5
		Asst. Prof.	32	43

10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr.No.	Faculty Name	Qualification	Designation	Area of Specialization	Total Experience In Years.
1	Ms. AARTI AGGARWAL	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRONICS & COMMUNICATION	7
2	Mr. ARPITA JOHRI	B.TECH. M.TECH.	ASST PROFESSOR	DIGITAL COMMUNICATION	9

3	Mr. MUDIT SAXENA	B.TECH. M.TECH.	ASST PROFESSOR	MICROWAVE AND OPTICAL FIBRE	12
4	Ms. PALLAVIE TYAGI	B.TECH. M.TECH.	ASST PROFESSOR	EMBEDDED SYSTEM	3
5	Ms. SHILPA GUPTA	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRONICS & COMMUNICATION	5
6	Mr. PIYUSH GOVIL		ASSOCIATE PROFESSOR		
7	Ms. AARTI SHARMA	B.TECH. M.TECH. GATE SCORER	ASST PROFESSOR	VLSI DESIGN	1
8	Mr. RAKESH KUMAR	B.TECH. M.TECH. GATE SCORER	ASST PROFESSOR	RF & MICROWAVE	2
9	Mr. ABHAY GOYAL	B.TECH. M.TECH. GATE SCORER	ASST PROFESSOR	ELECTRONICS & COMM. ENGG.	4
10	Ms. MANDEEP KAUR	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRONICS & COMMUNICATION EN	1
11	Mr. DHEERAJ SINGH	B.TECH. M.TECH. GATE SCORER	ASST PROFESSOR	SOLID STATE ELECTRONICS	1
12	Mr. DARVIN VERMA	B.TECH. M.TECH. GATE SCORER	ASST PROFESSOR	COMMUNICATION SYSTEMS	4
13	Ms. RAKHI KUMARI	B.TECH. M.TECH. GATE SCORER	ASST PROFESSOR	ELECTRONICS & COMM. ENGG.	2
14	Ms. APARNA UPRETI	B.TECH. M.TECH.	ASST PROFESSOR	VLSI DESIGN	4
15	Ms. NISHTHA GUPTA	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRONICS & COMMUNICATION EN	2
16	Ms. SHWETA GUPTA	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRONICS	5

17	Mr. SOMENDRA SHUKLA	B.TECH. M.TECH.	ASSOCIATE PROFESSOR	ELECTRONICS	
18	Ms. SWAPNIL AGARWAL	BTECH MTECH GATE SCORER	ASST PROFESSOR	EPSM(ELECTRICAL)	4
19	Mr. NAVNEET SHARMA	B.TECH. M.TECH. DIPLOMA IN ELECTRONICS & COMM.	ASST PROFESSOR	ELECTRONICS & COMM.	9
20	Ms. KHUSHBU BANSAL	B.TECH. M.TECH. MBA	ASST PROFESSOR	ELECTRONICS & COMM. ENGG.	4
21	Mr. ALOK KUMAR SINGH	B.TECH. M.TECH. B.SC.	ASST PROFESSOR	ELECTRONICS & COMMUNICATION	17
22	Mr. CHAITAN LAL MITTAL	B.E. M.E.	PROFESSOR	EE	89
23	Mr. SANJAY MAHAWAR	B.E. M.TECH.(PURSUING)	PROFESSOR	ECE	29
24	Mr. DEEPAK GARG	BTECH MTECH PGDBM	ASSOCIATE PROFESSOR	ECE	25
25	Mr. SATEESH KUMAR AWASTHI	BE MTECH	ASSOCIATE PROFESSOR	VLSI DESIGN	22
26	Ms. DIPA NITIN KOKANE	BE ME	ASST PROFESSOR	DIGITAL ELECTRONICS	15
27	Ms. SAMRITI KALIA	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRONICS PRODUCT DESIGN	13
28	Ms. MEENAKSHI AWASTHI	BE MTECH	ASST PROFESSOR	ECE	15
29	Mr. MANISH K	B.TECH. M.TECH.	ASST PROFESSOR	INSTR. CTRL. ENGG.	9

30	Ms. UPASANA SHARMA	B.TECH. M.TECH.	ASST PROFESSOR	VLSI DESIGN	7.5
31	Ms. UNNATI C MEHTA	B.TECH M.TECH	ASST PROFESSOR	ECE	13
32	Ms. SWATI JINDAL	BTECH M.TECH PURSUING	ASST PROFESSOR	ECE	5
33	Ms. RACHANA DIXIT	B.TECH M.TECH PURSUING	ASST PROFESSOR	ECE	10
34	Ms. WAFFA CHOUDHARY	B.TECH M.TECH.	ASST PROFESSOR	ECE	8
35	Mr. ARUN KUMAR ARORA	B.E. M.E.	HEAD OF DEPT	ECE	52
36	Mr. SHAILENDRA BISARIYA	B.TECH. M.TECH.	ASSOCIATE PROFESSOR	VLSI DESIGN	10
37	Ms. HIMANI GARG	B.TECH. M.TECH.	ASST PROFESSOR	COMMUNICATION ENGG.	5.5
38	Ms. SUREKHA GHANGAS	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRONICS & COMM.	3
39	Mr. LALIT KUMAR	B.TECH. M.TECH.(PURSUING)	ASST PROFESSOR	ECE	7
40	Mr. ABHINAV KUMAR ARELA	B.TECH. M.TECH.	ASST PROFESSOR	DIGITAL SYSTEM	6
41	Ms. JYOTI GARG	B.TECH. M.TECH.	ASST PROFESSOR	VLSI	5
42	Ms. NEERJA SINGH	B.TECH. M.TECH.	ASST PROFESSOR	VLSI	3
43	Ms. RANJEETA YADAV	B.TECH. M.TECH.	ASST PROFESSOR	SIGNAL PROCESSING	15

44	Ms. RICHA SHARMA	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRONICS & COMM. ENGG.	3
45	Ms. ROMYA BHATNAGAR	B.TECH. M.TECH.(PURSUING)	ASST PROFESSOR	ELECTRONICS & COMM. ENGG.	8
46	Ms. TANIA GUPTA	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRONICS & COMM. ENGG.	6
47	Ms. MEGHA AGARWAL	B.E. M.TECH.	ASST PROFESSOR	VLSI	9
48	Mr. PRADEEP KUMAR	B.TECH. M.TECH.	ASST PROFESSOR	DIGITAL SYSTEM	10
49	Mr. MOHD. SHAHBAZ ALAM	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRONICS & COMM. ENGG.	12
50	Ms. ANJANA BHARDAWAJ	B.TECH. M.TECH.(PURSUING0	ASST PROFESSOR	ELECTRONICS & COMM.	3
51	Mr. MANGAL DAS	B.TECH. M.TECH.	ASST PROFESSOR	VLSI SYSTEMS	2

11	List of Senior Visiting faculty	Nil	
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	Nil	
13	Student-Teacher Ratio (program wise)	1:15	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Sanctioned- 11	Filled - 11
15	Qualifications of teaching faculty with DSc/ D.Litt / Ph.D / MPhil / PG.	Details at Sr. No. 10	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	a. 01 Grant Received 6 Lacs	
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	Project – 01, Grant 6 Lacs from MSME	
18	Research Centre /facility recognized by the University	Nil	

19	Publication	
	a) Publication per faculty	
	Number of papers published in peer	

		reviewed journals (national / international) by faculty and students	
		Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
		Monographs	
		Chapter in Books	
		Books Edited	
		Books with ISBN/ISSN numbers with details of publishers	
		Citation Index	
		SNIP	
		SJR	
		Impact factor	
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S.No.	Name	Name of Workshop/ Seminar/ Conference/FDP	Attended Date	Attended Venue	Duration
1	Mr. Arun K. Arora	"Revitalizing Power Engineering Education"	23rd Nov. 2012	IIT, Delhi	"01 Day
2	Dr. Neerja Jindal	Faculty Development Programme on " Sensor & Instrumentation"	7th Aug 2013 & 8 Aug 2013	Ajay Kumar Garg Engg. College, Ghaziabad - NI Lab View Academy	02 days
3	Mr. Deepak Garg	Orientation Program on 'Human Values and Professional Ethics'	09th to 16th July 2012	IIT, Kanpur	08 Days
4	Ms. Dipa Nitin Kokane	Faculty Development Programme on " Future Trends in Mobile Communications"	20th -21st Sept. 2013	AKGEC, Gzb.	02 Days
5	Ms. Meenakshi Awasthi	Faculty Development Programme on " Satellite Communications"	21st -22nd Sept. 2012	AKGEC, Gzb.	02 Days
6	Mr. Alok Kumar Singh	Faculty Development Programme on " Satellite Communications"	21st -22nd Sept. 2012	AKGEC, Gzb.	02 Days
7	Ms. Meenakshi Awasthi	Faculty Development Programme on " Future Trends in Mobile Communications"	20th -21st Sept. 2013	AKGEC, Gzb.	02 Days
8	Ms. Surekha Ghangas	Training Programme on "Solar PV Technology"	31st - 2nd November, 2014	NIESBUD, Campus A-23, Sector - 62, Noida	03 days

S.No.	Name						
9	Aarti Aggarwal	Training Programme on Solar PV Technology	31st - 02nd November 2014	NIESBUD, Noida	03 days		
10	Surekha Ghangas	Training Programme on Solar PV Technology	31st - 02nd November 2014	NIESBUD Noida	03 days		

Faculty Seminar

S.No.	Name	Department	Name of Workshop/ Seminar/ Conference	National / International	Attended Date	Attended Venue	Duration
2	Mr. C.L. Mittal	ECE	Power of Five (Oracle)	International	30.Aug.2007	Nehru Place New Delhi	01 Day

Papers presented by Faculty

S.No.	Name	Deptt	Name of Conference	Presented Paper Title	National / International	Attended Date	Attended Venue
17	Mr. Deepak Garg	ECE	National Conference on "Future Trends in Information & Communication Technology"	Parametric Determination of Limit Cycles in Electronic Filters	National	13th Feb. 2010	RKGIT, Gzb.
18	Mr. Uday Kr. Arun	ECE	SOPC World 2007	SOPC World 2007	National	31st Oct.- 2007	India Habitat Centre, Delhi
19	Mr. Manish	ECE	Comsol Conference 2009	"Microwave Coagulation Therapy Using Microwave Antenna"	National	13th-14th Nov. 2009	Banglore

20	Mr. Pradeep Kumar	ECE	National Conference on "Electronics and Communication Systems -2013"	"Electronics and Communication Systems -2013"	National	"05-06 April 2012	Inderprastha Engg. College
21	Mr. Lalit Kumar	ECE	National Conference on "Advances in Mobile Communications, Networking and Computing"	"Advances in Mobile Communications, Networking and Computing"	National	27th-28 Dec. 2010	India International Centre, New Delhi
55	Shilpa Gupta	ECE	National Conference on "Advancement in satellite Communications"	"Advancement in satellite Communications"	National	14-15 Feb 2014	Ajay Kumar Garg Engineering College, Ghaziabad
56	Pallavie Tyagi	ECE	National Conference on "Advancement in satellite Communications"	"Advancement in satellite Communications"	National	14-15 Feb 2014	Ajay Kumar Garg Engineering College, Ghaziabad
58	Dipa Nitin Kokare	ECE	NCLTWC	National Conference	National	6-7th feb-2015	Latest Trends in wirelesss communication

S.No.	Name	Department	Published Paper Title	Published By	Year	
	Books Published by Faculty					
1	Dr. Shashi Kumar Singh	EC	"Environment Science (ES)" and "Environment Ecology (EE)"		2011	
2	Mr. Shailendra Bisariya	ECE	"Valsi Technology and Design" (VALSI DESIGN)	Satya Prakashan	2012	
3	Prof. O.N. Pandey	ECE	Bio-Medical Electronics	S.K. Kataria & Sons	2006	
4	Prof. O.N. Pandey	ECE	Bio-Medical Electronics & Instrumentations	S.K. Kataria & Sons	2006	
5	Prof. O.N. Pandey	ECE	Energy Conversion	Sun India Publication	2006	
6	Prof. O.N. Pandey	ECE	Medical Electronics	S.K. Kataria & Sons	2006	
7	Prof. O.N. Pandey	ECE	Process Control Engineering	S.K. Kataria & Sons	2006	
8	Prof. O.N. Pandey	ECE	Basic Electrical Engineering	S.K. Kataria & Sons, New Delhi	2007	
9	Prof. O.N. Pandey	ECE	Digital Control System Engineering	S.K. Kataria & Sons, New Delhi	2007	
10	Prof. O.N. Pandey	ECE	Process Control Engineering	S.K. Kataria & Sons, New Delhi	2007	
11	Prof. O.N. Pandey	ECE	Instrumentation and Process Control	S.K. Kataria & Sons	2008	

20	Areas of consultancy and income generated	Nil
21	Faculty as members in d. National committees e. International Committees f. Editorial Boards	
22	Student projects c. Percentage of students who have done in-house projects including inter departmental/programme d. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	

23   Awards / Recognitions received by faculty and students

ABES Engineering Collge, Ghaziabad							
Student Event							
S.No.	Name	Branch / Year	Name of Even / Tech Fest	Partcipated in	National / International	Attended Date	Attended Venue	Award
1	*Vaibhav Dubey, Suyash Pandey Kuldeep Kumar Shivangi Sandhya Bhat*	CS - IIIrd year EC-IIIrd year EC-IIIrd year ME-IIIrd year CS-IIIrd year	The Events of Antaragni'12,the Annual Cultural Festivalof IIT Kanpur.	Gladius for Gladius, the English Parlimentary Debate, Short Movie Making (Chronica),Hindi word game (Saptarang),Sports Quize, On spot photography ,creative english writing,hindi poem writing,solo dance,hindi picture perception	National	11-14th oct-2012	IIT Kanpur	No
2	Saurabh Jain, Gaurav Kumar, Anchal Rajvanshi, Sneha Sharad	BIT	ACM India Annual Event 2015	ACM India Annual Event 2015	National	4th-8th Feb-2015	BITS, GOA	No
3	Pinki Mondal, Kritika Agarwal	BIT	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	International	11th-13th March-2015	Bharati vidyapeeth's Institute of Computer Applications and Management(BVICAM-NEW DELHI)	No
4	Shubham Rungta	CS	48th CSI Annual Convention 2013	**A comparative Analysis of a New Approach to a existing one**	International	10-13th-Dec-13	Vishakhapatnam	No
5	***Umashanker Chaudhary[1]*** Pooja Yadav[2]	CS EC	BP Singhal Memorial Sports Tournament (2nd) 2014	Chess & Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	got first prize in chess and second prize in badminton
6	**Uarvarshi Kaul**, Palak sharma, Saumya Agarwal, Shilpa Jain	CSE	Proceedings of the 3rd International conference on Soft Computing for Problem Solving	Soft Computing for Problem Solving	International	26-28th-Dec-2013	Saharanpur Campus of IIT Roorkee, Greater Noida	No

7	**Vaibhav Dubey**[1] Sandhya Bhat[2] Suyash Pandey[3] Shivangi[4] Kuldeep Gupta[5]	CSE 3rd	Antaragni-2012 English Literary Events	Gladius for Gladius, the Parlimentary Debate	National	11-14 oct.2012	IIT, Kanpur	
8	**Ashutosh Aggarwal**[1], Nikita Aggarwal[2] Syed Absar Ahmed[3]	CSE 4th	TCS Codavita 2012	TCS Coding Contest	National	03rd Sept. 2012	TCS Pune	
9	Parveen Kumar, Samra Azam,Pushpendra Kumar,Rajkamal Singh,Raghvendra Kumar	EC	ROBO-GALAXY CHAMPIONSHIP- 2014	**INDIAN'S BIGGEST ADVANCE ROBOTICS COMPTITIONS**	National	30-JAN- 05-Feb- 2014	IISC, Bangalore	No
10	Ayush Nagpal	EC	CMAI Declamation Contest	CMAI Declamation On -IT Intellectual Propertg Right- Responsibility & opportunities.	National	19-Apr-14	(National)H.P.University Auditarium ,Shimla	Ist Prize Winner
11	Master Mrinal Shekhar	EC	CMAI Declamation Contest	Is Alternate Energy Important for education & Industry	National	20-Apr-14	(National)H.P.University Auditarium ,Shimla	2nd winner
12	**Jyoti Yadav**[1+] Rajat Tiwari [2] Shraddha Saxena[3] Sajal Bhardwaj[4]	EC	Inspiralon Robotix Kshitij 2014	Robot X(Technology RobotIX Society	National	31st Jan.- 3rd Feb. 2014	IIT, Kharagpur	No
13	Abhilasha Gupta	EC 4th	Innovation - 2013	A National level Project Competition "C++ Based Key Optics Totor"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	
14	**Shobhit Singh Senghar,** Vivek Kumar Gautam, Sudeep Saxena, Shekhar Dhanger	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01- 2015	IIT Kharagpun	No
15	Shivani,Shradha saxena,shivam shrivastava,Prashant Kumar Gautam,	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01- 2015	IIT Kharagpun	No
16	Shobhit Gupta , Bakleshwar yadav, Bharat Saini,Arpit Mohan Kansal, Yogesh Kumar Tiwari, Tejasv Tyagi,Saurabh Chauchan, Rishabh Jain, Shivam Srivastav,Vaibhav Keshri,Shobit Gupta, Shubham Griwal, Vipul Yadav	ECE	ROBOCON -2015	ROBOCON-2015	National	02-03- 2015 to 09-03- 2015	MIT,Pune	No
17	Sakshi Sharma	ECE	COGNIZANCE -2015	COGNIZANCE -2015	National	27-29th Mar-2015	IIT - Roorkee	No

18	Shyam Arora Vikrant Bajpai Tushar Verma Shashank	EEE	Tech NIT	Battleshp	National	15th -17th Feb. 2013	Dr.B.R. Ambedkar National Institute of Tech., Jalandhar	They stood 2nd Prize
19	**Mudit Sharma1** ,Abhishek Kr. YadavMohit Garg,Sagar Verma,Amzad,Vibhor Papnej, Sohit Rathore, Deepaushu, Hament Gautam, Kapil Singh, Harshit Gupta, Nikhil, Alok, Shreyvats,HArshit	EEE	Some Sports Events :- Aamod-2014 (Sports Meet)	Cultural & Sports Festival,Bareilly **Aamod-2014 (Sports Meet)**	National	21-22-Feb-2014	SRMS Bareilly	No
20	**Rahul Mishra**,Ankur Gupta,Ashish Vimal,GauravArora,Joshita Bisht,Kuldeepak Singh,Manan,Manisha Kashyap, Raunak chaudhary, Shivani Singh,Suman Saurabh,Shubhendra Pratap Singh,Vishal Sagar Singh,Vishesh Shekhasaria	EEE	Hybrid Go-Kart Challenge	Hybrid Go-Kart Challenge	International	18th-19th-08-2014	Maharshi Markendeshwar University Amballa	No
21	Rahul Mishra	EEE	Electric solar vehicle championship(ESVC-2015)	Electric solar vehicle championship(ESVC-2015)	International	07th-08th-11-2014	Hanglaytan University, Alighar	No
22	*Shashank[1]*	EEE 2nd	Robocalypse of Techniche 2013	Technical Fest "Robocalypse"	National	30th Aug. - 01st Sept. 2013	Indian Institute of Technology , Guwahati	They stood 2nd Prize
23	*Sawan Singh[1]* Roshan Nagbanshi[2] Rahul yadav[3] Ruby[4] Sabhyata Kulshreshtha[5]	EEE 4th	Innovation - 2013	A National Level Project Competition on "Home Gas Security System"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	They stood First Position
24	**Shubham Gautam [1]** Vinod Singh [2] Tushar Shrivastava[3] Saksham Gupta[4] (Captain) Shivam Gupta [5]	EEE ME ME CS EEE	Ojasvat 2014	Table Tennis		25th-26th March 2013	Sharda University	No

25	Shashank shandiya , Anubhav Rai	EN	Vidyurja Spreigat Cognizance , IIT Roorkee	Technical Fest	National	27th,28th and 29th-march-15	IIT Roorkee	No
26	Akash Puri1	IT	The 2013 Smarta Planet challenge	**EMANDI-Smarter Conmerce**	International	20th Nov. - 1st Dec. 2013	Co-presented by-IBM, IEEE Advancing Technology for Humanity	No
27	*Sameer[1]* Paras Sachdeva[2]	IT CS	TCS Codevita'13 Final Round	C Devita 2013	National	1st Sept. - 04 Sept. 2013	TCS Yantra Park, Thane , Mumbai	No
28	***Akash Puri[1]*** Prakhar Bansal[2] Tulika Aggarwal[3] Varsha Agarwal[4]	IT IV CS CS CS	IBM The Great Mind Challenge 2012	The 2013 Smarta Planet challenge	International	6th Nov. - 8th Nov. 2013	"IBM ,EMBASSY GOLF LINK PARK, BANGALORE" "IBM India P. Ltd. , Banglore	No
29	***Kushagra Saxena[1]*** Aviral[2] Nidhish[3] Ankit Shriwal[4]	ME EC EC CS	BP Singhal Memorial Sports Tournament (2nd) 2014	Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	No

24	List of eminent academicians and scientists / visitors to the department	
From Academia	From Industry	
Dr. Arti Noor, Scientist CDAC Noda	Mr. Saugat Sen, Vice president (R&D) Cadence Designs system Noida	
Prof. H.M. Gupta, Professor IIT Delhi	Dr. K. Saha, Director (R&D) Samsung, Noida	
Prof. ranjan Bose, IIT Delhi	Mr. A.K.Bargava,CMD BBNL (Govt. Of India) New Delhi	
Prof. (Dr) Dharmendra Singh, IIT Roorkee	Mr. Rajeev Agarwal, Secretary TRAI (Govt. of India) New Delhi	
Dr. S. Indu, DTU Delhi	Mr. Manjit Singh G.M. (Retd.), D.O.T., Govt. of India, New Delhi	
Dr. A.B. Bhattcharya, Former Professor IIT Delni	Mr. Anjuj Srivastav, GM MTNL, New Delhi	

25	Seminars/ Conferences/Workshops organized & the source of funding a. National b. International	a. National Conference-03 funded by IEEE, AICTE, Workshops -04 funded by NITTR, Chandigargh b. International-NII

26. Student profile programme/course wise:

Name of the Course / program (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Tech	0	625	430	195	95%
M.Tech	-	14	7	7	100%

*M = Male   *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Electronics and communications engineering	232	11	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

Student progression	Against % enrolled
UG to PG	25
PG to M.Phil.	-

PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	62 20
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

   a. Library - Besides Central library department maintains its library for reference purpose only.
   b. Internet facilities for Staff & Students – the whole campus has internet facility with   Wi-Fi Mode
   c. Class rooms with ICT facility – All the class rooms have ICT Facility and Air Conditioned
   d. Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies

   In our state (Uttar Pradesh), the economically weaker section people whose wards undertake higher studies, their tuition fee as approved by the government is reimbursed by Social Welfare Department of the State. As per the current guidelines the eligible students apply through the college and receive the tuition fee directly into their saving accounts from Social Welfare Department. The details of application submitted under various categories in the last four years is given at 5.1.3 of SSR.

   Institution spends significant amounts for the benefit of students in the form of scholarship and free ships. The details of awards given by the college is given at 5.1.2 of SSR.

32. Details on student enrichment program (special lectures / workshops/ seminar) with external experts
   The comprehensive details have been given at 5.3.4 of SSR.

33. Teaching methods adopted to improve student learning
   The details have been provided at Sr. No. 2.3.1, 2.3.3, and 2.3.5 of SSR.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
   1.3.4 of SSR provides details of above mentioned query.
35. SWOC analysis of the department and Future plans
   Strength:
   • Accrediated by NBA
   • Center of Excellences of renowned Companies like National Instruments, Microsoft, IBM Rockwell etc.
   • Both Students and teacher have access to leading Journals both soft copy and hard Copy
   • Has latest and Advanced Softwar's unit center of excellences
     Highly qualified, experienced and illustrious faculty, student-centered teaching

Weakness:

- Less Number of funded projects
- Revenue from external consultancy needs to be mproved opportunities:
- Locational advantage of strengthening academia-indiustry linkages
- Exploring possibility of collaborative resaearchwith research institutions.
- Readiness of leading industsries to collaborate with institution through MOU

Challenges

- To train the students so as to meet the demands of the industry and Updasting the knowledge in the expert domain
- To balance between top ranking students and slow learners
- Attaining all india ranks in competitive exams

Future Plans:

- MOU's with Industriews for setting up Traning Centers
- Promoting Students for entrepreneurship
- More number of students to qualify for competitive exams
- Encourage faculty to go for Ph.D

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EVALUATIVE REPORT OF ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT

1	Name of the department	Electrical and Electronics Engineering		
2	Year of the Establishment	2008		
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	Under Graduate-B.Tech		
4	Names of Interdisciplinary courses and the departments / units involved	None		
5	Annual/ semester/choice based credit system (programme wise)	Semester Based		
6	Participation of the department in the courses offered by other departments			
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	None		
8	Details of courses /programmes discontinued (if any) with reasons	None		
9	No. of teaching posts	**Post**	**Sanctioned**	**Filled**
		Prof.	3	5
		Asso. Prof.	5	16
		Asst. Prof.	16	25
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)			

Sr.No.	Faculty Name	Qualification	Designation	Area of Specialization	Total Experience in Years
1	Mr. ANKIT TAYAL	B.TECH. M.TECH.	ASST PROFESSOR	PROCESS CONTROL	11
2	Ms. NEETA AWASTHY	B.TECH. M.TECH.	PROFESSOR	ELECTRONICS & COMMUNICATION EN	13
3	Ms. SHILPA SAMBHI	B.TECH. M.TECH.	ASSOCIATE PROFESSOR	AUTOMATION & ROBOTICS	15
4	Mr. AMIT KUMAR SINGH	B.TECH. M.TECH.	ASST PROFESSOR	CONTROL SYSTEM	4

5	Mr. PANKAJ KUMAR GUPTA	B.TECH. M.TECH.	ASST PROFESSOR	POWER SYSTEM	23
6	Mr. GULSHAN SHARMA	B.TECH. M.TECH. PH.D.(PURSUING)	ASSOCIATE PROFESSOR	ELECTRICAL & ELECTRONICS	2.5
7	Mrs. PRAGATI SRIVASTAVA DEB	BE ME	ASST PROFESSOR	EPS	15
8	Mr. SANJEEV KUMAR SAINI	B.TECH M.E.	ASST PROFESSOR	INTRUMENTATION & CONTROL	14
9	Mrs. ISHA RAJPUT	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRICAL ENGG.	13
10	Mr. AMUL KUMAR AGRAWAL	B.E. M.TECH. MBA	HEAD OF DEPT	INSTRUMENTATION ENGG.	39
11	Mr. SANTOSH CHAURASIA	B.SC. M.TECH. M.SC.(ELECTRONICS)	ASSOCIATE PROFESSOR	INSTRUMENTATION	18
12	Mr. MALIK MOAZZAM ANWAR	B.TECH. M.TECH. PH.D.	ASSOCIATE PROFESSOR	ELECTRICAL ENGG.	24
13	Mr. VIVEK KUMAR VERMA	B.TECH. M.TECH.	ASST PROFESSOR	ENERGY MANAGEMENT	14
14	Dr. DINESH KUMAR	B.SC. M.SC.	PROFESSOR	ELECTRICAL & INSTRUMENTATION	17
15	Mr. DHARMESHWAR NATH	BE FIE(FELLOWSHIP	PROFESSOR	EE	52
16	Ms. RASHMI SINGH TAYAL	B.TECH M.TECH PURSUING M.TECH.(PURSUING)	ASST PROFESSOR	EEE	13

17	Mr. RAHUL VIRMANI	B.TECH. M.TECH.	ASST PROFESSOR	PROCESS CONTROL	7.75
18	Mr. VIVEK SAXENA	B.TECH. M.TECH. DIPLOMA IN ELECTRONICS ENGG.	ASST PROFESSOR	ENERGY & ENV. MANAGEMENT	6
19	Ms. MANISHA GUPTA	B.TECH. M.TECH.	ASST PROFESSOR	POWER SYSTEM & ENGG.	
20	Ms. MAHIMA MAYER	B.TECH. M.TECH.	ASSOCIATE PROFESSOR	COMM. SYSTEM	24
21	Mr. SACHIN SHARMA	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRICAL & ELECTRONICS ENGG.	3
22	Ms. NIHARIKA VARSHNEY	B.TECH. M.TECH.	ASST PROFESSOR	INSTR. & CONTROL	7
23	Ms. GEETIKA ASWANI	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRICAL & ELECTRONICS ENGG.	13
24	Ms. POOJA RANI	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRICAL & ELECTRONICS ENGG.	14
25	Ms. RASHMI DUBEY	B.TECH. M.TECH.	ASST PROFESSOR	ELECTRICAL & ELECTRONICS ENGG.	14

11	List of Senior Visiting faculty	Nil	
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	Nil	
13	Student-Teacher Ratio (program wise)	1:15	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Sanctioned- 5	Filled – 5
15	Qualifications of teaching faculty with DSc/ D.Litt / Ph.D / MPhil / PG.	Details at Sr. No. 10	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	Nil	
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	Electrical Instrumentation & Simulation Lab,Modernization	

			under AICTE Grant (MODROB)
18	Research Centre /facility recognized by the University	Nil	

19	Publication	
	a) Publication per faculty	
	Number of papers published in peer reviewed journals (national / international) by faculty and students	
	Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
	Monographs	
	Chapter in Books	
	Books Edited	
	Books with ISBN/ISSN numbers with details of publishers	
	Citation Index	
	SNIP	
	SJR	
	Impact factor	
	h-index	

S.No.	Name	Name of Workshop/ Seminar/ Conference/FDP	Attended Date	Attended Venue	Duration
1	Swapnil Agarwal (AP)	Human Value & professional Ethics	22nd to 29th Dec 2014	PSIT COE KANPUR	08 Days
2	Mr. Malik Moazzam Anwar	"Revitalizing Power Engineering Education"	23rd Nov. 2012	IIT, Delhi	"01 Day
3	Mr. Santosh Chaurasia	Orientation Program on 'Human Values and Professional Ethics'	09th. To 16th, July 2012	IIT, Kanpur	08 Days
4	Vivek Verma	FDP on "Recent Trends in Embedded System Design"	01st - 02nd August 2014	Ajay Kumar Garg Engineering College, Ghaziabad	02 days

Faculty Seminar

S.No.	Name	Name of Workshop/ Seminar/ Conference	National / International	Attended Date	Attended Venue	Duration

| 1 | Mr. Amul Kumar Agarwal | Uses of Instruments by m/s Tektronix | | 18-Feb-05 | New Delhi | "01 Day |

Paper presented by Faculty						
S.No.	Name	Name of Conference	Presented Paper Title	National / International	Attended Date	Attended Venue
2	Dr. Amrita Tyagi	National Seminar of " Saarc Literatures in English"	"Genuine Human Feelings and Emotions in Tagor's Poetry"	National	18th - 19th Feb. 2009	Lucknow University, Lucknow
4	Mr. Amul Kumar Agarwal	"National Conference on Energy Power and Intelligent Control Systems"	"Application of WaveletTechnique for Detection of Partial Discharge Pattern"	National	28th - 29th March 2014	Galgotia College of Engg. College, Gr. Noida
5	Amul Agrawal	National Conference on ENERGY,POWER AND INTELLIGENT CONTROL SYSTEMS **(IEEE Spons. Converence)**	**Application of Wevelet Technique for Detection of Partial Discharge Pattern**	National	28th-29th March-2014	G.C.E.T. Greater Noida
6	Ms. Sudha Bansal	India International Conference on Power Electronics (IICPE 2012)	Design of a DC-DC Converter for Photovoltaic Solar System	International	06th - 08th Dec. 2012	DTU, Delhi
7	Dr. Dinesh	Students Conference on "Science and Spiritual Quest"	Science and Spirituality	National	15th-16th Jan.2010	MNNIT, Allahabad
8	Mr. Vivek Kr. Verma	"Advanced Developments in Engineering and Technology"	"ANFIS Based Analysis of Three-Phase Self -Excited Induction Gen"	National	15th-16th Feb.2014	Lord Krishna College of Engineering ,Gzb.

9	Mr. Ankit Tayal	"National Conference on Energy Power and Intelligent Control Systems"	"Application of WaveletTechnique for Detection of Partial Discharge Pattern"	National	28th - 29th March 2014	Galgotia College of Engg. College, Gr. Noida
10	Ms. Rashmi Singh Tayal	"National Conference on Energy Power and Intelligent Control Systems"	"Application of WaveletTechnique for Detection of Partial Discharge Pattern"	National	28th - 29th March 2014	Galgotia College of Engg. College, Gr. Noida
11	Ms. K. Nisha	"Adavces in Electronics, Electrical & Computer Science Engineering"	" An Efficient and Inproved Genetic Algorithm Approach to Solve Economic Dispatch with Line flow Constraints	National	7 - 9 July, 2012	Universal Association of Computer & Electronics Engineers at Dehradun, Uttarakhand
12	Ms. Pooja Rani	"AICTE Sponsored Secound International Conference Communications & Electronics (ICCE-2013)"	"Characteristics Study of Porous Alumina based Thin Film Capacitive Humidity Sensor	International	28th-29th Nov. 2013	KIET Muradnagar
13	Ms. Niharika Varshney	"National Conference on Energy Power and Intelligent Control Systems"	"Application of WaveletTechnique for Detection of Partial Discharge Pattern"	National	28th - 29th March 2014	Galgotia College of Engg. College, Gr. Noida
14	Ms. Geetika Aswani	Proceedings of "Materials and Processiing - 2012 (MAP - 2012)	"Porous Alumina Based Thin Film Capacitive Humidity Sensor and its Modeling"		10th-12th Oct. 2012	Multi Purpose Hall , BARC Training School Hostel Anushaktinagar, Mumbai
15	Ms. Khushboo Arora	"Steady State Analysis of Three-phase Self- Excited Induction Generator Using Adaptive Neuro-Fuzzy Inference System" "Recent Developmentsin Control, Automation and Power Engineering"	"A Novel App. For Aalysis of Self -Exited Ind. Gen Using SCT"	National	21st - 22nd Feb., 2013	Amity University Uttar Pradesh, Noida

16	Mr. Sachin Sharma	Proceedings of "Materials and Processiing - 2012 (MAP - 2012)	"Porous Alumina Based Thin Film Capacitive Humidity Sensor and its Modeling"	National	10th-12th Oct. 2012	Multi Purpose Hall , BARC Training School Hostel Anushaktinagar, Mumbai

20	Areas of consultancy and income generated	Nil

21	Faculty as members in
	    g. National committees
	    h. International Committees
	    i. Editorial Boards	

22	Student projects
	    e. Percentage of students who have done in-house projects including inter departmental/programme
	    f. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	

23   Awards / Recognitions received by faculty and students

ABES Engineering Collge, Ghaziabad							
Student Event							
S.No.	Name	Branch / Year	Name of Even / Tech Fest	Partcipated in	National / International	Attended Date	Attended Venue	Award
1	*Vaibhav Dubey, Suyash Pandey Kuldeep Kumar Shivangi Sandhya Bhat*	CS - IIIrd year EC-IIIrd year EC-IIIrd year ME-IIIrd year CS-IIIrd year	The Events of Antaragni'12,the Annual Cultural Festivalof IIT Kanpur.	Gladius for Gladius, the English Parlimentary Debate, Short Movie Making (Chronica),Hindi word game (Saptarang),Sports Quize, On spot photography ,creative english writing,hindi poem writing,solo dance,hindi picture perception	National	11-14th oct-2012	IIT Kanpur	No
2	Saurabh Jain, Gaurav Kumar, Anchal Rajvanshi, Sneha Sharad	BIT	ACM India Annual Event 2015	ACM India Annual Event 2015	National	4th-8th Feb-2015	BITS, GOA	No
3	Pinki Mondal, Kritika Agarwal	BIT	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	International	11th-13th March-2015	Bharati vidyapeeth's Institute of Computer Applications and Management(BVICAM-NEW DELHI)	No
4	Shubham Rungta	CS	48th CSI Annual Convention 2013	**A comparative Analysis of a New Approach to a existing one**	International	10-13th-Dec-13	Vishakhapatnam	No
5	***Umashanker Chaudhary[1]*** Pooja Yadav[2]	CS EC	BP Singhal Memorial Sports Tournament (2nd) 2014	Chess & Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	got first prize in chess and second prize in badminton
6	**Uarvarshi Kaul**, Palak sharma, Saumya Agarwal, Shilpa Jain	CSE	Proceedings of the 3rd International conference on Soft Computing for Problem Solving	Soft Computing for Problem Solving	International	26-28th-Dec-2013	Saharanpur Campus of IIT Roorkee, Greater Noida	No

7	*Vaibhav Dubey[1]* Sandhya Bhat[2] Suyash Pandey[3] Shivangi[4] Kuldeep Gupta[5]	CSE 3rd	Antaragni-2012 English Literary Events	Gladius for Gladius, the Parlimentary Debate	National	11-14 oct.2012	IIT, Kanpur	
8	*Ashutosh Aggarwal[1],* Nikita Aggarwal[2] Syed Absar Ahmed[3]	CSE 4th	TCS Codavita 2012	TCS Coding Contest	National	03rd Sept. 2012	TCS Pune	
9	Parveen Kumar, Samra Azam,Pushpendra Kumar,Rajkamal Singh,Raghvendra Kumar	EC	ROBO-GALAXY CHAMPIONSHIP- 2014	**INDIAN'S BIGGEST ADVANCE ROBOTICS COMPTITIONS**	National	30-JAN- 05-Feb- 2014	IISC, Bangalore	No
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12	Jyoti Yadav[1+] Rajat Tiwari [2] Shraddha Saxena[3] Sajal Bhardwaj[4]	EC	Inspiralon Robotix Kshitij 2014	Robot X(Technology RobotIX Society	National	31st Jan.- 3rd Feb. 2014	IIT, Kharagpur	No
13	Abhilasha Gupta	EC 4th	Innovation - 2013	A National level Project Competition "C++ Based Key Optics Totor"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	
14	**Shobhit Singh Senghar,** Vivek Kumar Gautam, Sudeep Saxena, Shekhar Dhanger	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01- 2015	IIT Kharagpun	No
15	Shivani,Shradha saxena,shivam shrivastava,Prashant Kumar Gautam,	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01- 2015	IIT Kharagpun	No
16	Shobhit Gupta , Bakleshwar yadav, Bharat Saini,Arpit Mohan Kansal, Yogesh Kumar Tiwari, Tejasv Tyagi,Saurabh Chauchan, Rishabh Jain, Shivam Srivastav,Vaibhav Keshri,Shobit Gupta, Shubham Griwal, Vipul Yadav	ECE	ROBOCON -2015	ROBOCON-2015	National	02-03- 2015 to 09-03- 2015	MIT,Pune	No
17	Sakshi Sharma	ECE	COGNIZANCE -2015	COGNIZANCE -2015	National	27-29th Mar-2015	IIT - Roorkee	No

18	Shyam Arora Vikrant Bajpai Tushar Verma Shashank	EEE	Tech NIT	Battleshp	National	15th -17th Feb. 2013	Dr.B.R. Ambedkar National Institute of Tech., Jalandhar	They stood 2nd Prize
19	**Mudit Sharma1** ,Abhishek Kr. YadavMohit Garg,Sagar Verma,Amzad,Vibhor Papnej, Sohit Rathore, Deepaushu, Hament Gautam, Kapil Singh, Harshit Gupta, Nikhil, Alok, Shreyvats,HArshit	EEE	Some Sports Events :- Aamod-2014 (Sports Meet)	Cultural & Sports Festival,Bareilly **Aamod-2014 (Sports Meet)**	National	21-22-Feb-2014	SRMS Bareilly	No
20	**Rahul Mishra**,Ankur Gupta,Ashish Vimal,GauravArora,Joshita Bisht,Kuldeepak Singh,Manan,Manisha Kashyap, Raunak chaudhary, Shivani Singh,Suman Saurabh,Shubhendra Pratap Singh,Vishal Sagar Singh,Vishesh Shekhasaria	EEE	Hybrid Go-Kart Challenge	Hybrid Go-Kart Challenge	International	18th-19th-08-2014	Maharshi Markendeshwar University Amballa	No
21	Rahul Mishra	EEE	Electric solar vehicle championship(ESVC-2015)	Electric solar vehicle championship(ESVC-2015)	International	07th-08th-11-2014	Hanglaytan University, Alighar	No
22	*Shashank[1]*	EEE 2nd	Robocalypse of Techniche 2013	Technical Fest "Robocalypse"	National	30th Aug. - 01st Sept. 2013	Indian Institute of Technology , Guwahati	They stood 2nd Prize
23	*Sawan Singh[1]* Roshan Nagbanshi[2] Rahul yadav[3] Ruby[4] Sabhyata Kulshreshtha[5]	EEE 4th	Innovation - 2013	A National Level Project Competition on "Home Gas Security System"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	They stood First Position
24	**Shubham Gautam [1]** Vinod Singh [2] Tushar Shrivastava[3] Saksham Gupta[4] (Captain) Shivam Gupta [5]	EEE ME ME CS EEE	Ojasvat 2014	Table Tennis		25th-26th March 2013	Sharda University	No

25	Shashank shandiya , Anubhav Rai	EN	Vidyurja Spreigat Cognizance , IIT Roorkee	Technical Fest	National	27th,28th and 29th-march-15	IIT Roorkee	No
26	Akash Puri1	IT	The 2013 Smarta Planet challenge	**EMANDI-Smarter Conmerce**	International	20th Nov. - 1st Dec. 2013	Co-presented by-IBM, IEEE Advancing Technology for Humanity	No
27	*Sameer[1]* Paras Sachdeva[2]	IT CS	TCS Codevita'13 Final Round	C Devita 2013	National	1st Sept. - 04 Sept. 2013	TCS Yantra Park, Thane , Mumbai	No
28	***Akash Puri[1]*** Prakhar Bansal[2] Tulika Aggarwal[3] Varsha Agarwal[4]	IT IV CS CS CS	IBM The Great Mind Challenge 2012	The 2013 Smarta Planet challenge	International	6th Nov. - 8th Nov. 2013	"IBM ,EMBASSY GOLF LINK PARK, BANGALORE" "IBM India P. Ltd. , Banglore	No
29	***Kushagra Saxena[1]*** Aviral[2] Nidhish[3] Ankit Shriwal[4]	ME EC EC CS	BP Singhal Memorial Sports Tournament (2nd) 2014	Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	No

24	List of eminent academicians and scientists / visitors to the department	
25	eminars/ Conferences/Workshops organized & the source of funding c. National d. International	

26. Student profile programme/course wise:

Name of the Course / program (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Tech	-	354	294	60	93.96

*M = Male   *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Electrical and Electronics engineering	90.7	9.24	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

   5

29. Student progression

Student progression	Against % enrolled
UG to PG	19
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	31 NA
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

    e. Library - Besides Central library department maintains its library for reference purpose only.
    f. Internet facilities for Staff & Students – the whole campus has internet facility with   Wi-Fi Mode
    g. Class rooms with ICT facility – All the class rooms have ICT Facility and Air Conditioned
    h. Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies

In our state (Uttar Pradesh), the economically weaker section people whose wards undertake higher studies, their tuition fee as approved by the government is reimbursed by Social Welfare Department of the State. As per the current guidelines the eligible students apply through the college and receive the tuition fee directly into their saving accounts from Social Welfare Department. The details of application submitted under various categories in the last four years is given at 5.1.3 of SSR.

Institution spends significant amounts for the benefit of students in the form of scholarship and free ships. The details of awards given by the college is given at 5.1.2 of SSR.

32. Details on student enrichment program (special lectures / workshops/ seminar) with external experts
The comprehensive details have been given at 5.3.4 of SSR.

33. Teaching methods adopted to improve student learning
The details have been provided at Sr. No. 2.3.1, 2.3.3, and 2.3.5 of SSR.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
1.3.4 of SSR provides details of above mentioned query.

35. SWOC analysis of the department and Future plans

Strength: The department has highly qualified faculty and well skilled staff, to undertake the theory and practical classes of the student.
The department has state of the art laboratories along with facility to do the experiments even beyond the curriculum

With aim of providing skill and produce industry-ready engineers, the department has established Centre of Excellence (COE), with the theme of Industrial Automation. Following are the COE, mentioned along with supporting technology partner:

Name of Centre	Technology Supported by
Industrial Automation Research & Training Centre	Rockwell Automation

	National Instruments
Innovation Centre for Virtual Instrumentation & Embedded Systems	Texas Instruments
Centre of Excellence in Automation Technologies	SMC Pneumatics

The courses offered by the centre are interdisciplinary in nature and students from II to final year, of any discipline can join the program. This centre provides training on actual equipment, as used by Automation Industries. The COE aims to enhance employability of the students.

The department has also organized Guest Lectures from Industry experts like, Rawelcom Services India Pvt Ltd, NTPC, National Instruments, Legrand India, etc.

Weakness:
The curriculum is bounded by the university syllabus. The department lacks in developing Interdisciplinary programs because of university affiliation.

Opportunities: The collaboration of the industry and academia in the college has opened avenues for the faculty members and students to get the feel of the corporate environment and bridge the gap between industry requirements and academics. Also, students are getting more opportunities for training and placement because of our location in NCR.

Challenges: It is always a challenge to maintain the quality of the teaching-learning process in order to meet out the rapidly changing industrial scenarios. With the increase in the number of passing graduates every year and less job opportunities the students are facing a tough competition in placement.

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EVALUATIVE REPORT OF INFORMATION TECHNOLOGY DEPARTMENT

1	Name of the department	Engineering in Information Technology
2	Year of the Establishment	2000
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	Under Graduate-B.Tech
4	Names of Interdisciplinary courses and the departments / units involved	B.Tech EC
5	Annual/ semester/choice based credit system (programme wise)	Semester Based
6	Participation of the department in the courses offered by other departments	It is as per the requirement as per the other department
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	None
8	Details of courses /programmes discontinued (if any) with reasons	None

9	No. of teaching posts	Post	Sanctioned	Filled
		Prof.	2	1
		Asso. Prof.	11	3
		Asst. Prof.	4	12

10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

S.No	Faculty Name	Qualification	Exact Designation	Areas of Specialization	Total Experience in Years
1	Mr. SANJEEV KAPOOR	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	8
2	Mr. SAURABH SRIVASTAVA	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER ENGG.	7
3	Mr. ANIL KUMAR SONI	B.SC. M.SC.	HEAD OF DEPT	COMPUTER SCIENCE	38
4	Mr. SHUBHAM SIDANA	B,TECH. M.TECH. GATE SCORER	ASST PROFESSOR	INFORMATION TECHNOLOGY	1
5	Ms. DEEPALI DEV	B.TECH. M.TECH. GATE SCORER	ASST PROFESSOR	COMPUTER SCIENCE	1
6	Ms. SEEMA YADAV	B.TECH. M.TECH.	ASST PROFESSOR	INFORMATION TECHNOLOGFY	
7	Mr. AMIT SINHA	B.SC. MCA M.PHIL	ASSOCIATE PROFESSOR	CSE	

8	Mr. PANKAJ KUMAR SHARMA	BCA M.TECH. M.SC. (IT)	ASST PROFESSOR	CSE	
9	Mr. ASHWIN PERTI	B.E. M.TECH. DIPLOMA	ASSOCIATE PROFESSOR	CSE	20
10	Ms. KANCHAN SINGH	B.E. M.TECH.	ASSOCIATE PROFESSOR	CSE	21
11	Ms. KANIKA GUPTA	B. TECH (IT) M.TECH (IT)	ASST PROFESSOR	IT	5
12	Mr. MANISH SRIVASTAVA	B. TECH (IT) M.TECH. (GIS & REMOTE SENSING)	ASST PROFESSOR	IT	2
13	Ms. NANDITA GOYAL	B.TECH.(IT) M.TECH.(CSE)	ASST PROFESSOR	CSE	5
14	Ms. SAPNA JAIN	B.E. M.TECH. PH.D.(PURSUING)	ASST PROFESSOR	COMPUTER SCIENCE	2
15	Ms. ANJALI JAIN	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	5.5
16	Mr. RITIN BEHL	B.TECH.(IT) M.TECH.(CSE)	ASST PROFESSOR	COMPUTER SCIENCE	4

11	List of Senior Visiting faculty	Nil	
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	Nil	
13	Student-Teacher Ratio (program wise)	1:15	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Sanctioned- 3	Filled – 3
15	Qualifications of teaching faculty with DSc/ D.Litt / Ph.D / MPhil / PG.	Details at Sr. No. 10	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received		
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received		
18	Research Centre /facility recognized by the University	Nil	

19	Publication		
		a) Publication per faculty	
		Number of papers published in peer reviewed journals (national / international) by faculty and students	
		Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
		Monographs	
		Chapter in Books	

		Books Edited	
		Books with ISBN/ISSN numbers with details of publishers	
		Citation Index	
		SNIP	
		SJR	
		Impact factor	
		h-index	

Faculty Attended Workshop / FDP					
S.No.	Name	Name of Workshop/ Seminar/ Conference/FDP	Attended Date	Attended Venue	Duration
1	Mr. Amit Sinha	National Programe on "Technology Enhanced Learning"	27th-29th June 2007	IIT, Kanpur	"03 Days
2	Ms. Meena Chauhan	"Learn Creativity & Innovation"	4th - 18th Dec. 2012	IIT,Delhi	15 Days
3	Ashwin Perti(Associate Prof.)	FDP on Natural Language Processing	30th-31th 01-2015	AKGEC, Gzb.	02 Days
4	Saurabh kumar Shrivastava (AP)	Human Value & professional Ethics	22nd to 29th Dec 2014	PSIT COE KANPUR	08 Days
5	Pankaj kr. Sharma(Sr. Asst. Prof.),Gaurav,Sneha Sharad,Saurabh Jain ,Aanchal Rajvanshi	For Presenting the proposal for hosting ACM Compute 2015 at BITS -Pilani-Goa (ACM Annual Events)	5th-7th Feb-2015	BITS - Pilani-Goa	02 days

Faculty Seminar						
S.No.	Name	Name of Workshop/ Seminar/ Conference	National / International	Attended Date	Attended Venue	Duration
1	Ms. Kanchan Singh	"Object Recognition using Fuzzy Logic" National Seminar on "Information and Communication Technology"	National	22nd and 23rd April'11	IMR, Ghaziabad.	"02 Days
2	Mr. Ashwin Perti	International Seminar on "Advance Computing Conference"	International	6-7 March 2009	Thapar University, Patiala	"02 Days
3	Ms. Meena Chauhan	"Emerging Role of Mobile Agent in Todays Network Technologios"	National	"09th Feb. 2008	ITS, Gzb.	"01 Day

4	Mr. Pankaj Kumar Sharma	National Seminar on "Emerging Trends in Computer Science & Information Technology"	National	23-Apr-08	Faridabad , Haryana	"01 Day

Faculty Journal

S.No.	Name	Published Paper Title	Name of Journal	National / International	Published Year	Details of Journal
1	Dr. Ashok Kumar Sinha	"An Improved Human Trait Modeling using Fuzzy Inference System"	International Journal of Engineering Research & Technology *Vol.1 Issue 6, August 2012 (page no.1-5)*	International	Aug-12	International Journal of Engineering Research & Technology ISSN : 2278-0181 www : ijert.org
2	Ms. Anjali Jain	Collision Detection and avoidance in railways using WiMAX in	International Journal of Computer Science and Engineering Vol. 3 No.6	International	Dec 2012-Jan 2013	International Journal of Computer Science and Engineering ISSN : 0976-5166.
3	Mr. Ashwin Perti	"A Review of Comparative Study of Routing Protocols in MANET"	International Journal of Research and Practices in Engineering Sciences,Volume 1, Issue1 March-May 2012,(page no.145-151)	International	March-May 2012	International Journal of Research and Practices in Engineering Sciences (IJRPES) ISSN : 2278-5744 www.ijrpes.org
4	Mr. Amit Sinha	"An Improved Human Trait Modeling using Fuzzy Inference System"	International Journal of Engineering Research & Technology *Vol.1 Issue 6, August 2012 (page no.1-5)*	International	Aug-12	International Journal of Engineering Research & Technology ISSN : 2278-0181 www : ijert.org
5	Mr. Pankaj Kumar Sharma	"A Comparative Analysis of Selection Schemes of Genetic Algorithm to Find an Optimum and Reliable Route in Wired Networks"	"International Journal of Research in IT (IJRIT)", Volume 1, Issue 4 April 2013.	International	Apr-13	"International Journal of Research in IT (IJRIT)", 1. ISSN: 2001-5569 [online]
6	Ms. Kanika Gupta	"A Technique for Importing Shapefile to Mobile Devive in a Distributed System Envionment"	International Journal of Computational Engineering Research *Vol.2 Issue 4 (page no. 1160-1164)*	International	Jun-12	International Journal of Computational Engineering Research (ijceronline) ISSN : 2250-3005 (online) www.ijceronline.com
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20	**Rahul Mishra**,Ankur Gupta,Ashish Vimal,GauravArora,Joshita Bisht,Kuldeepak Singh,Manan,Manisha Kashyap, Raunak chaudhary, Shivani Singh,Suman Saurabh,Shubhendra Pratap Singh,Vishal Sagar Singh,Vishesh Shekhasaria	EEE	Hybrid Go-Kart Challenge	Hybrid Go-Kart Challenge	International	18th-19th-08-2014	Maharshi Markendeshwar University Amballa	No
21	Rahul Mishra	EEE	Electric solar vehicle championship(ESVC-2015)	Electric solar vehicle championship(ESVC-2015)	International	07th-08th-11-2014	Hanglaytan University, Alighar	No
22	*Shashank[1]*	EEE 2nd	Robocalypse of Techniche 2013	Technical Fest "Robocalypse"	National	30th Aug. - 01st Sept. 2013	Indian Institute of Technology , Guwahati	They stood 2nd Prize
23	*Sawan Singh[1]* Roshan Nagbanshi[2] Rahul yadav[3] Ruby[4] Sabhyata Kulshreshtha[5]	EEE 4th	Innovation - 2013	A National Level Project Competition on "Home Gas Security System"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	They stood First Position
24	**Shubham Gautam [1]** Vinod Singh [2] Tushar Shrivastava[3] Saksham Gupta[4] (Captain) Shivam Gupta [5]	EEE ME ME CS EEE	Ojasvat 2014	Table Tennis		25th-26th March 2013	Sharda University	No

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25	Shashank shandiya , Anubhav Rai	EN	Vidyurja Spreigat Cognizance , IIT Roorkee	Technical Fest	National	27th,28th and 29th-march-15	IIT Roorkee	No
26	Akash Puri1	IT	The 2013 Smarta Planet challenge	**EMANDI-Smarter Conmerce**	International	20th Nov. - 1st Dec. 2013	Co-presented by-IBM, IEEE Advancing Technology for Humanity	No
27	*Sameer[1]* Paras Sachdeva[2]	IT CS	TCS Codevita'13 Final Round	C Devita 2013	National	1st Sept. - 04 Sept. 2013	TCS Yantra Park, Thane , Mumbai	No
28	***Akash Puri[1]*** Prakhar Bansal[2] Tulika Aggarwal[3] Varsha Agarwal[4]	IT IV CS CS CS	IBM The Great Mind Challenge 2012	The 2013 Smarta Planet challenge	International	6th Nov. - 8th Nov. 2013	"IBM ,EMBASSY GOLF LINK PARK, BANGALORE" "IBM India P. Ltd. , Banglore	No
29	***Kushagra Saxena[1]*** Aviral[2] Nidhish[3] Ankit Shriwal[4]	ME EC EC CS	BP Singhal Memorial Sports Tournament (2nd) 2014	Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	No

24	List of eminent academicians and scientists / visitors to the department	
25	eminars/ Conferences/Workshops organized & the source of funding e. National f. International	

26. Student profile programme/course wise:

Name of the Course / program (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Tech. IT	-	184	120	64	NIl

*M = Male   *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Engineering in Information and Technology	96	4	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

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29. Student progression

Student progression	Against % enrolled
UG to PG	8
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	32 NA
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

    i.   Library - Besides Central library department maintains its library for reference purpose only.

    j.   Internet facilities for Staff & Students – the whole campus has internet facility with   Wi-Fi Mode

    k.   Class rooms with ICT facility – All the class rooms have ICT Facility and Air Conditioned

    l.   Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies

In our state (Uttar Pradesh), the economically weaker section people whose wards undertake higher studies, their tuition fee as approved by the government is reimbursed by Social Welfare Department of the State. As per the current guidelines the eligible students apply through the college and receive the tuition fee directly into their saving accounts from Social Welfare Department. The details of application submitted under various categories in the last four years is given at 5.1.3 of SSR.

Institution spends significant amounts for the benefit of students in the form of scholarship and free ships. The details of awards given by the college is given at 5.1.2 of SSR.

32. Details on student enrichment program (special lectures / workshops/ seminar) with external experts
The comprehensive details have been given at 5.3.4 of SSR.

33. Teaching methods adopted to improve student learning
The details have been provided at Sr. No. 2.3.1, 2.3.3, and 2.3.5 of SSR.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
1.3.4 of SSR provides details of above mentioned query.

35. SWOC analysis of the department and Future plans
Strengths :
    (a) Faculty is good in doing Research work.
    (b) Publishing a large number of research papers in International Journals.
    (c) Research papers are scanned for Plagiarism to see the quality. Most of the research papers are with Plagiarism Level < 40%.
    (d) Faculty has been writing Text Books on some special subjects.
    (e) Placement of IT students have been increasing every year.
    (f) Projects done as a course work are of really good quality.
    (g) Students are watched regularly on their weekly progress in the project development.
    (h) B.Tech students of final year are encouraged to publish the research papers in International Journals. This year almost all students of Final Year (IT) have published their work.

Weaknesses :
    (a) Quite a few research papers are not published in International Journals of

good reputation.
(b) Inspite of our best efforts, IT students do not appear for both sessional tests I and II, because the marks are counted as best of them. Such type of professionalism could not be inculcated in the students.
(c) Lot of students do not study seriously for the Quizes.
(d) We have not been able to increase average % marks scored by our students in University Examination above 65% because about 70% of our students study seriously only during the final examination days.

Opportunities

(a) There is no dearth of opportunities availability.
(b) Most of the Journals of good reputation are available in the library.
(c) All the standard Text Books as prescribed by UPTU are available in the library.
(d) All the class rooms and computer labs are equipped with LCD Projectors, White Board etc.
(e) All the class rooms and labs are fully air conditioned so that students can sit continuously and pay attention to their studies.
(f) Hostel facilities are available.
(g) Wi-Fi is available in all the buildings and in the hostels.
(h) Previous years question papers are discussed inside the class.

Threats

(a) The main road connecting the college is NH-24 which is always jammed which makes students to spend extra time on Commuting to the college and they become late in reaching the college and reaching home in the evening.
(b) Commuting takes out a great amount of energy out of the students.
(c) Summer is extremely hot and in most of the living areas electricity supply is quite erratic which bothers students in their studies to a large amount.
(d) We find that food available is quite adulterated from the seed level up which makes the students & faculty (everyone) deal with poor health problems.
(e) Air pollution is quite high in all surrounding areas.

EVALUATIVE REPORT OF MECHANICAL ENGINEERING DEPARTMENT

1	Name of the department	Mechanical Engineering		
2	Year of the Establishment	2003		
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	Under Graduate-B.Tech		
4	Names of Interdisciplinary courses and the departments / units involved	Human Vaules maths-II,III Operational Research, Electrical Machines and Automatic Control, Industrial Sociology, Industrial Psychology, Cyber Security.		
5	Annual/ semester/choice based credit system (programme wise)	Semester Based		
6	Participation of the department in the courses offered by other departments	NCER, Thermal and Hydraulics Machines		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Center of Excellences (SMC), ABES CAD+ (Joint Venture)		
8	Details of courses /programmes discontinued (if any) with reasons	Nill		
9	No. of teaching posts	**Post**	**Sanctioned**	**Filled**
		Prof.	3	4
		Asso. Prof.	7	3
		Asst. Prof.	20	29
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)			

S.No	Faculty Name	Qualification	Exact Designation	Areas of Specialization	Total Experience in Years
1	Mr. MANABENDRA SAHA	B.TECH. M.TECH.	ASST PROFESSOR	MANUFACTURING TECHNOLOGY	6
2	Mr. MANISH MANGAL	B.TECH. M.TECH.	ASST PROFESSOR	FUID ENGG.	4
3	Mr. VIJAY KUMAR GUPTA	B.TECH. M.TECH.	ASST PROFESSOR	THERMAL ENGG.	2
4	Mr. SANJAY CHAUHAN	B.TECH. B.SC.	ASSOCIATE PROFESSOR	MECHANICAL ENGG.	25
5	Mr. AJIT ASHWALAYAN SHUKLA		ASSOCIATE PROFESSOR		10
6	Mr. PARAG SINGHAL	B.TECH. M.TECH.	ASST PROFESSOR	THERMAL	0
7	Ms. PAYAL DAMLE	B.TECH. M.TECH.	ASST PROFESSOR	MANUFACTURING TECHNOLOGY & AUT	6
8	Mr. MAYANK KUSHWAHA	B.TECH. M.TECH. GATE SCORER	ASST PROFESSOR	MACHINE DESIGN	2
9	Mr. ASHISH SHARMA	B.TECH. M.TECH.	ASST PROFESSOR	CAD/CAM	3

10	Mr. PANKAJ SAINI	B.TECH. M.TECH.	ASST PROFESSOR	TEHRMAL	1
11	Mr. SAURABH KUMAR	B.TECH.	ASST PROFESSOR	MECHANICAL	3
12	Ms. SANJANA SAXENA	B.TECH.	ASST PROFESSOR	MECHANICAL ENGG.	1
13	Mr. MANISH GUPTA	BE MBA	ASST PROFESSOR		14
14	Mr. ANSHUL BINDAL	B.TECH.	ASST PROFESSOR	MECHANICAL ENGG.	1.5
15	Mr. BIMAL CHANDRA ROY	B.TECH. M.TECH.	PROFESSOR	MECHANICAL ENGINEERING	45
16	Mr. SAURABH AWASTHI	B.TECH. M.TECH.	ASST PROFESSOR	MANUFACTURING & AUTOMATION ENG	7
17	Mr. ASHISH MALIK	B.TECH M.TECH PH.D PURSUING	ASSOCIATE PROFESSOR	THERMAL	14.5
18	Mr. MANISH SARASWAT	BTECH M.TECH.(PURSUING)	ASST PROFESSOR	MECHANICAL	6
19	Mr. SANJAY KUMAR	B.TECH MTECH(PURSUING)	ASST PROFESSOR	MECHANICAL	8
20	Mr. NAVENDRA PRATAP SINGH	B.TECH. M.TECH.(PURSUING)	ASST PROFESSOR	MECHANICAL	11.5
21	Ms. GAGANPREET KAUR	BTECH M.TECH PURSUING	ASST PROFESSOR	MECHANICAL	14
22	Mr. RAVI SHANKAR RAMAN	B.TECH M.TECH.	ASST PROFESSOR	DESIGN, AUTOMATION	11
23	Mr. KRISHNA KUMAR KAROTHIYA	BE MTECH	ASST PROFESSOR	THERMAL ENGG.	5
24	Ms. SUJATA SAHA	B.E. M.TECH.(PURSUING)	ASST PROFESSOR	THERMAL ENGG.	9
25	Mr. SANDEEP GARG	B.E. M.E.	HEAD OF DEPT	CAD/CAM	2
26	Mr. SHARAD BHARDAWAJ	B.TECH. M.TECH.(PURSUING)	ASST PROFESSOR	MECHANICAL	4.75
27	Mr. RUPENDRA SINGH RAJPUROHIT	B.E. M.TECH.	ASST PROFESSOR	CAD	4
28	Mr. PRADEEP SHARMA	B.E. PGDPDE, M.TECH.(PURSUING)	ASST PROFESSOR	PIPING DESIGN	2
29	Mr. PREM KUMAR AGARWAL	B.E. M.E.	PROFESSOR	TURBO MACHINES	43
30	Mr. CHETAN RAJORIA	B.TECH. M.TECH.(PURSUING)	ASST PROFESSOR	MECHANICAL	4.5
31	Mr. ANOOP PANDEY	B.E. MBA M.TECH.(PURSUING)	ASST PROFESSOR	MANUFACTURING, AUTOMATION	2
32	Mr. LUCKY AGARWAL	B.TECH. M.TECH.(PURSUING)	ASST PROFESSOR	PROCESS & AUTOMATION	11
33	Mr. AMIT SINGH	B.TECH. M.TECH.	ASST PROFESSOR	WELDING PROCESS	3
34	Mr. HARVIR SINGH	B.TECH. M.TECH.	ASST PROFESSOR	MACHINE DESIGN	10
35	Mr. JASBIR SINGH BEHAL	B.TECH. M.TECH. B.SC.	PROFESSOR	MECHANICAL ENGG.	47
36	Mr. NEERAJ KUMAR SHARMA	B.TECH. M.TECH.(PURSUING)	ASST PROFESSOR	PRODUCTION	13

11	List of Senior Visiting faculty	Nil

12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	Nil	
13	Student-Teacher Ratio (program wise)	1:15	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Sanctioned- 15	Filled – 15
15	Qualifications of teaching faculty with DSc/ D.Litt / Ph.D / MPhil / PG.	Details at Sr. No. 10	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	Nil	
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	02	
18	Research Centre /facility recognized by the University	Nil	

19	Publication	
		a) Publication per faculty	
		Number of papers published in peer reviewed journals (national / international) by faculty and students	
		Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
		Monographs	
		Chapter in Books	
		Books Edited	
		Books with ISBN/ISSN numbers with details of publishers	
		Citation Index	
		SNIP	
		SJR	
		Impact factor	
		h-index	

S.No.	Name	Name of Workshop/ Seminar/ Conference/FDP	Attended Date	Attended Venue
1	Mr. Chetan Rajoria Mr. Mayank Kushwaha Mr. Saurabh Awasthi	Faculty Workshop in Mechanical Engineering	15th - 16th November 2014	Skyline Institute, Greater Noida
2	Mr. Praveen Gautam	Teacher Orientation Programe on "Human Values and professional Ethics"	9th - 16th May 2012	IIT, Kanpur
3	Mr. Pradeep Sharma	"Matlab and It's Engineering Applicaions"	24th to 28th June, 2013	Krishna Institute of Engg. &Technology , Ghaziabad

4	Sanjana Saxena (Asst. Prof.)	Human Value & professional Ethics	22nd to 29th Dec 2014	PSIT COE KANPUR
5	Mr. Pradeep Sharma	Faculty Workshop in Mechanical Engineering	15th - 16th November, 2014	Skyline Institute of Engineering & Technology, Greater Noida

Faculty Seminar

S.No.	Name	Name of Workshop/ Seminar/ Conference	National / International	Attended Date	Attended Venue
8	Mr. Roop Narayan	"How to Cut Down Your Fossil Fuel upto 25%"	National	07.11.2006	DSIDC,New Delhi

Paper Presented by Faculty

S.No.	Name	Name of Conference	Presented Paper Title	National / International
1	Mr. Ashish Malik	National Conference "Innovative Developments in Engineering Applications"	Global Warming: is CO_2 the only offender	National
2	Mr. Krishna Kumar Karothiya	National Conference on "Emerging Trends in ME"	"Design of Electricity Generation system from Ocean Wave Energyfor West Coast"	National
3	Vijay Kumar Gupta	Published a peper in reputed International journal :- "Mixed Convection Boundary Layer Flow along a Vertical Flat Plate" .National conference on Futuristics in Mechanical Engineering (FME-2014)"	"Mixed Convection Boundary Layer Flow along a Vertical Flat Plate"." Paper No :- FME-15"	International
4	Manabendra Saha	"Modeling and Analysis of Connecting rod".National conference on Futuristics in Mechanical Engineering (FME-2014)"	"Modeling and Analysis of Connecting rod"." Paper No :- FME-25"	National

	Faculty Book Published			
S.No.	**Name**	**Published Paper Title**	**Published By**	**Year**
1	Prof. S.S.S. Govil	Thermal Engineering	Asian Publishers, Muzaffarnagar	1998
2	**Prof. S.S.S. Govil**	Hydraulic & Hydraulic Machines	**Asian Publishers, Muzaffarnagar**	**2007**
3	Mr. Subodh Sharma	Strength of Materials	Umesh Publication, New Delhi	2006
4	Prof. R.K. Singhal	Entrepreneurship Development & Management	Kataria & Sons, New Delhi	2006
5	Prof. R.K. Singhal	Non-conventional Energy Resources	Kataria & Sons, New Delhi	2006
6	Prof. R.K. Singhal	Production Management	Kataria & Sons, New Delhi	2006
7	Prof. R.K. Singhal	Basics of Mechanical Engineering	I.K. International	2007
8	Prof. R.K. Singhal	Fundamental of Machining & Machine Tools	I.K. International	2008
9	Prof. R.K. Singhal	Project Management	Kataria & Sons New Delhi	2008
10	Prof. Rakesh Kumar	Transducers Sensors and Display Systems	S.K. Kataria & Sons, New Delhi	2007

20	Areas of consultancy and income generated	Nil

21	Faculty as members in
	    a. National committees
	    b. International Committees
	    c. Editorial Boards
		Nil

22	Student projects
	    a. Percentage of students who have done in-house projects including inter departmental/programme
	    b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies
		NII

23   Awards / Recognitions received by faculty and students

S.No.	Name	Branch / Year	Name of Even / Tech Fest	Partcipated in	National / International	Attended Date	Attended Venue	Award
			ABES Engineering Collge, Ghaziabad					
			Student Event					
1	*Vaibhav Dubey, Suyash Pandey Kuldeep Kumar Shivangi Sandhya Bhat*	CS - IIIrd year EC-IIIrd year EC-IIIrd year ME-IIIrd year CS-IIIrd year	The Events of Antaragni'12,the Annual Cultural Festivalof IIT Kanpur.	Gladius for Gladius, the English Parlimentary Debate, Short Movie Making (Chronica),Hindi word game (Saptarang),Sports Quize, On spot photography ,creative english writing,hindi poem writing,solo dance,hindi picture perception	National	11-14th oct-2012	IIT Kanpur	No
2	Saurabh Jain, Gaurav Kumar, Anchal Rajvanshi, Sneha Sharad	BIT	ACM India Annual Event 2015	ACM India Annual Event 2015	National	4th-8th Feb-2015	BITS, GOA	No
3	Pinki Mondal, Kritika Agarwal	BIT	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	International	11th-13th March-2015	Bharati vidyapeeth's Institute of Computer Applications and Management(BVICAM-NEW DELHI)	No
4	Shubham Rungta	CS	48th CSI Annual Convention 2013	**A comparative Analysis of a New Approach to a existing one**	International	10-13th-Dec-13	Vishakhapatnam	No
5	***Umashanker Chaudhary[1]*** Pooja Yadav[2]	CS EC	BP Singhal Memorial Sports Tournament (2nd) 2014	Chess & Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	got first prize in chess and second prize in badminton
6	**Uarvarshi Kaul**, Palak sharma, Saumya Agarwal, Shilpa Jain	CSE	Proceedings of the 3rd International conference on Soft Computing for Problem Solving	Soft Computing for Problem Solving	International	26-28th-Dec-2013	Saharanpur Campus of IIT Roorkee, Greater Noida	No

7	*Vaibhav Dubey[1]* Sandhya Bhat[2] Suyash Pandey[3] Shivangi[4] Kuldeep Gupta[5]	CSE 3rd	Antaragni-2012 English Literary Events	Gladius for Gladius, the Parlimentary Debate	National	11-14 oct.2012	IIT, Kanpur	
8	*Ashutosh Aggarwal[1],* Nikita Aggarwal[2] Syed Absar Ahmed[3]	CSE 4th	TCS Codavita 2012	TCS Coding Contest	National	03rd Sept. 2012	TCS Pune	
9	Parveen Kumar, Samra Azam,Pushpendra Kumar,Rajkamal Singh,Raghvendra Kumar	EC	ROBO-GALAXY CHAMPIONSHIP-2014	**INDIAN'S BIGGEST ADVANCE ROBOTICS COMPTITIONS**	National	30-JAN-05-Feb-2014	IISC, Bangalore	No
10	Ayush Nagpal	EC	CMAI Declamation Contest	CMAI Declamation On -IT Intellectual Propertg Right-Responsibility & opportunities.	National	19-Apr-14	(National)H.P.University Auditarium ,Shimla	Ist Prize Winner
11	Master Mrinal Shekhar	EC	CMAI Declamation Contest	Is Alternate Energy Important for education & Industry	National	20-Apr-14	(National)H.P.University Auditarium ,Shimla	2nd winner
12	**Jyoti Yadav[1+]** Rajat Tiwari [2] Shraddha Saxena[3] Sajal Bhardwaj[4]	EC	Inspiralon Robotix Kshitij 2014	Robot X(Technology RobotIX Society	National	31st Jan.-3rd Feb. 2014	IIT, Kharagpur	No
13	Abhilasha Gupta	EC 4th	Innovation - 2013	A National level Project Competition "C++ Based Key Optics Totor"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	
14	**Shobhit Singh Senghar,** Vivek Kumar Gautam, Sudeep Saxena, Shekhar Dhanger	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01-2015	IIT Kharagpun	No
15	Shivani,Shradha saxena,shivam shrivastava,Prashant Kumar Gautam,	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01-2015	IIT Kharagpun	No
16	Shobhit Gupta , Bakleshwar yadav, Bharat Saini,Arpit Mohan Kansal, Yogesh Kumar Tiwari, Tejasv Tyagi,Saurabh Chauchan, Rishabh Jain, Shivam Srivastav,Vaibhav Keshri,Shobit Gupta, Shubham Griwal, Vipul Yadav	ECE	ROBOCON -2015	ROBOCON-2015	National	02-03-2015 to 09-03-2015	MIT,Pune	No
17	Sakshi Sharma	ECE	COGNIZANCE -2015	COGNIZANCE -2015	National	27-29th Mar-2015	IIT - Roorkee	No

18	Shyam Arora Vikrant Bajpai Tushar Verma Shashank	EEE	Tech NIT	Battleshp	National	15th -17th Feb. 2013	Dr.B.R. Ambedkar National Institute of Tech., Jalandhar	They stood 2nd Prize
19	**Mudit Sharma1** ,Abhishek Kr. YadavMohit Garg,Sagar Verma,Amzad,Vibhor Papnej, Sohit Rathore, Deepaushu, Hament Gautam, Kapil Singh, Harshit Gupta, Nikhil, Alok, Shreyvats,HArshit	EEE	Some Sports Events :- Aamod-2014 (Sports Meet)	Cultural & Sports Festival,Bareilly **Aamod-2014 (Sports Meet)**	National	21-22-Feb-2014	SRMS Bareilly	No
20	**Rahul Mishra**,Ankur Gupta,Ashish Vimal,GauravArora,Joshita Bisht,Kuldeepak Singh,Manan,Manisha Kashyap, Raunak chaudhary, Shivani Singh,Suman Saurabh,Shubhendra Pratap Singh,Vishal Sagar Singh,Vishesh Shekhasaria	EEE	Hybrid Go-Kart Challenge	Hybrid Go-Kart Challenge	International	18th-19th-08-2014	Maharshi Markendeshwar University Amballa	No
21	Rahul Mishra	EEE	Electric solar vehicle championship(ESVC-2015)	Electric solar vehicle championship(ESVC-2015)	International	07th-08th-11-2014	Hanglaytan University, Alighar	No
22	*Shashank[1]*	EEE 2nd	Robocalypse of Techniche 2013	Technical Fest "Robocalypse"	National	30th Aug. - 01st Sept. 2013	Indian Institute of Technology , Guwahati	They stood 2nd Prize
23	*Sawan Singh[1]* Roshan Nagbanshi[2] Rahul yadav[3] Ruby[4] Sabhyata Kulshreshtha[5]	EEE 4th	Innovation - 2013	A National Level Project Competition on "Home Gas Security System"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	They stood First Position
24	**Shubham Gautam [1]** Vinod Singh [2] Tushar Shrivastava[3] Saksham Gupta[4] (Captain) Shivam Gupta [5]	EEE ME ME CS EEE	Ojasvat 2014	Table Tennis		25th-26th March 2013	Sharda University	No

25	Shashank shandiya , Anubhav Rai	EN	Vidyurja Spreigat Cognizance , IIT Roorkee	Technical Fest	National	27th,28th and 29th-march-15	IIT Roorkee	No
26	Akash Puri1	IT	The 2013 Smarta Planet challenge	**EMANDI-Smarter Conmerce**	International	20th Nov. - 1st Dec. 2013	Co-presented by-IBM, IEEE Advancing Technology for Humanity	No
27	*Sameer[1]* Paras Sachdeva[2]	IT CS	TCS Codevita'13 Final Round	C Devita 2013	National	1st Sept. - 04 Sept. 2013	TCS Yantra Park, Thane , Mumbai	No
28	***Akash Puri[1]*** Prakhar Bansal[2] Tulika Aggarwal[3] Varsha Agarwal[4]	IT IV CS CS CS	IBM The Great Mind Challenge 2012	The 2013 Smarta Planet challenge	International	6th Nov. - 8th Nov. 2013	"IBM ,EMBASSY GOLF LINK PARK, BANGALORE" "IBM India P. Ltd. , Banglore	No
29	***Kushagra Saxena[1]*** Aviral[2] Nidhish[3] Ankit Shriwal[4]	ME EC EC CS	BP Singhal Memorial Sports Tournament (2nd) 2014	Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	No

24	List of eminent academicians and scientists / visitors to the department		
S.No.	**Guest Speaker**	**Topic**	**Date**
1.	Mr. Tanmay Kumar Mishra, General Manager-Works, Mirza International Ltd. Noida	Theory of Constraints in Manufacturing	15/09/14
2.	Mr. H.C. Jha	Importance of Rotary equipment in industries/construction features/Types and Details of Centrifugal pumps	17/03/15
		Centrifugal Compressors/ Start of Rotary Equipments/ Troubleshooting	18/03/15
3.	Ms. Monalisa Mallick, Depty Head-Partnerships, RICS School of Built Environment, Amity University, Noida	Career Opportunity in Built Environment Sector	19/03/15
4.	Mr. H.C. Jha	Importance and Types of Bearings and their different parts	20/03/15
5.	Mr. Saroop Chand	Innovations & employment Opportunities	10/04/15
6.	Mr. Sajid P.	Design & Engineering solutions to Facilitate Innovation & Boost "Make in India Program"	10/04/15
7.	Mr. Lalit Awasthi	Low cost Automation in Automotive Industry	10/04/15
8.	Mr. Ashiv Shah	Industrial Automation and Robotics	10/04/15
9.	Mr. Mukesh Sharma	Automation Development in Cement Industry	11/04/15
10.	Mr. S.P. Sharma	Reverse Engineering	11/04/15
11.	Mr. Manoj Jain	Rapid Prototyping	11/04/15
12.	Mr. L.R. Sharma	Tyre Technology and Process	11/04/15

25	Seminars/ Conferences/Workshops organized & the source of funding a. National b. International	

26. Student profile programme/course wise:

Name of the Course / program (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	***F**	

B.Tech	-	-	-	-	-

*M = Male   *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Tech -	94.8	5.2	Nil
M.Tech	100	-	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

Student progression	Against % enrolled
UG to PG	8
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	32 NA
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

   m. Library - Besides Central library department maintains its library for reference purpose only.
   n. Internet facilities for Staff & Students – the whole campus has internet facility with   Wi-Fi Mode
   o. Class rooms with ICT facility – All the class rooms have ICT Facility and Air Conditioned
   p. Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies

In our state (Uttar Pradesh), the economically weaker section people whose wards undertake higher studies, their tuition fee as approved by the government is reimbursed by Social Welfare Department of the State. As per the current guidelines the eligible students apply through the college and receive the tuition fee directly into their saving accounts from Social Welfare Department. The details of application submitted under various categories in the last four years is given at 5.1.3 of SSR.

Institution spends significant amounts for the benefit of students in the form of scholarship and free ships. The details of awards given by the college is given at 5.1.2 of SSR.

32. Details on student enrichment program (special lectures / workshops/ seminar) with external experts
The comprehensive details have been given at 5.3.4 of SSR.

33. Teaching methods adopted to improve student learning
The details have been provided at Sr. No. 2.3.1, 2.3.3, and 2.3.5 of SSR.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
1.3.4 of SSR provides details of above mentioned query.
35. SWOC analysis of the department and Future plans

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EVALUATIVE REPORT OF MASTER IN BUSINESS ADMINISTRATION DEPARTMENT

1	Name of the department	Master In Business Administration
2	Year of the Establishment	2006
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	Post Graduate
4	Names of Interdisciplinary courses and the departments / units involved	None
5	Annual/ semester/choice based credit system (programme wise)	Semester Based
6	Participation of the department in the courses offered by other departments	

Other Departments: MCA & B.Tech.

Name of Department	Subject Name
ME	Industrial Psychology
	Engineering & Managerial Economics
EN	Industrial Sociology
	Engineering & Managerial Economics
	Entrepreneurship Development
MCA	Accounting and Financial Management
ECE	Industrial Psychology
	Engineering & Managerial Economics
	Entrepreneurship Development
CS	Industrial Sociology
	Engineering & Managerial Economics
IT	Industrial Psychology
	Industrial Engineering & Managerial Economics
Civil	Industrial Sociology
	Engineering & Managerial Economics
	Entrepreneurship Development

7	Courses in collaboration with other universities, industries, foreign institutions, etc.	None
8	Details of courses /programmes discontinued (if any) with reasons	None

9	No. of teaching posts	Post	Sanctioned	Filled
		Prof.	3	1
		Asso. Prof.	5	2
		Asst. Prof.	16	26

10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S.No	Faculty Name	Qualification	Exact Designation	Areas of Specialization	Total Experience in Years
1	Mr. RAKESH KUMAR SINGHAL	B.TECH. PGDM	PROFESSOR	HR	34
2	Ms. SHUBHRA JOHRI	B.TECH. MBA	ASST PROFESSOR	HR & FINANCE	10
3	Ms. TARU MAHESHWARI	B.COM MBA	ASST PROFESSOR	FINANCE	0
4	Ms. RUBY GUPTA		ASSOCIATE PROFESSOR		10
5	Ms. ANSHIKA SANGAL	B.SC. PGDBM	ASST PROFESSOR	MARKETING	
6	Ms. SUNITA SEN	B.SC. MBA	ASST PROFESSOR	HR, MARKETING	
7	Ms. AMREEN THIND	B.A. MBA	ASST PROFESSOR	MARKETING	
8	Mr. PANKAJ CHAUHAN	B.SC. MBA M.PHIL	ASST PROFESSOR	MARKETING	12
9	Ms. SHIKHA PATHAK	B.TECH. MBA PH.D.(PURSUING)	ASST PROFESSOR	MARKETING & IT	8.7
10	Ms. MILI SONI	BA MBA	ASSOCIATE PROFESSOR	MARKETING	20
11	Ms. PARUL AGARWAL	BSC MBA MSC	ASST PROFESSOR	HR & MARKETING	13
12	Ms. SONAM GULATI	B.COM MBA	ASST PROFESSOR	FINANCE & IT	6
13	Ms. AMRITA SINGH	B.COM MBA	ASST PROFESSOR	MARKETING,HRM	9
14	Ms. AKANKSHA RASTOGI	BA MBA PH.D.(PURSUING)	ASST PROFESSOR	MARKETING & HR	12
15	Ms. ANJALI RAI	B.SC. MBA PH.D.(PURSUING)	ASST PROFESSOR	HR & FINANCE	3.2

16	Ms. RASHMI KAUSHIK	B.SC. MBA M.PHIL	ASST PROFESSOR	CSE	13
17	Mr. AJAY SINGH	BTECH MBA	ASST PROFESSOR	ELECTRONICS ENGG.	6
18	Ms. ACHLA TYAGI	B.A. M.A. M.PHIL.	ASST PROFESSOR	PSYCHOLOGY	7
19	Ms. TANU KHARE SRIVASTAVA	B.E. (CS) MBA (FINANCE)	ASST PROFESSOR	CSE	3
20	Ms. MANISHA GUPTA	B.TECH.(CSE) MBA	ASST PROFESSOR	CSE & FINANCE	3
21	Mr. NITIN MOHAN	B.SC. MBA	ASST PROFESSOR	HR	9
22	Ms. POOJA TIWARI	B.SC. MBA PH.D.(PURSUING)	ASST PROFESSOR	HR & MARKETING	5.5
23	Mr. ANUBHAV SRIVASTAVA	B.TECH. MBA	ASST PROFESSOR	FINANCE	3.5
24	Dr. SHOBHIKA TYAGI	BA MBA PH.D.	ASST PROFESSOR	FINANCE	6
25	Ms. PURWA SRIVASTAVA	BCA MBA	ASST PROFESSOR	FINANCE & IT	5
26	Ms. NEELAM RAGHAV	B.SC. MBA PH.D.	ASST PROFESSOR	FINANCE & MARKETING	7
27	Dr. STUTI MISHRA	BBA MBA	ASST PROFESSOR	FINANCE & MARKETING	7
28	Ms. SWATI SAHARAWAT	B.TECH.(EC) MBA NET	ASST PROFESSOR		6
29	Ms. ANURADHA SINGH	BA MBA	ASST PROFESSOR	HR & FINANCE	

11	List of Senior Visiting faculty	Nil	
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	Nil	
13	Student-Teacher Ratio (program wise)	1:15	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Sanctioned- 15	Filled – 15
15	Qualifications of teaching faculty with DSc/ D.Litt / Ph.D / MPhil / PG.	Details at Sr. No. 10	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received		
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received		
18	Research Centre /facility recognized by the University	Nil	
19	Publication		
		a) Publication per faculty	
		Number of papers published in peer	

		reviewed journals (national / international) by faculty and students	
		Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
		Monographs	
		Chapter in Books	
		Books Edited	
		Books with ISBN/ISSN numbers with details of publishers	
		Citation Index	
		SNIP	
		SJR	
		Impact factor	
		h-index	

Faculty Attended Workshop / FDP

S.No.	Name	Name of Workshop/ Seminar/ Conference/FDP	Attended Date	Attended Venue	Duration
1	Ms. Parul Agarwal	Orientation Program on 'Human Values and Professional Ethics'	09th. To 16th, July 2012	IIT, Kanpur	08 Days
2	Ms. Sadhna Gaur -	Effective Teaching Through Case Study Methodology	5th-7th March 2010	IIT,Delhi	"03 Days
3	Mr. Anubhav Srivastava	Orientation Program on 'Human Values and Professional Ethics'	9th- 6th May 2012	IIT, Kanpur	"08 Days
4	Ms. Manisha Gupta	Faculty Programe on "Power Electronics & Its Applications"	03rd,05th - 06th March 2012	Ajay Kumar Garg Engineering College	"03 Days

Faculty Seminar

S.No.	Name	Name of Workshop/ Seminar/ Conference	National / International	Attended Date	Attended Venue	Duration
1	Ms. Parul Agarwal	National Seminar "Shodh 2010-11" "Public Private Partnership : Reality Check and Road Ahead"	National	9th April 2011	Lord Krishna Group of Institutions, Ghaziabad	"01 Day

Paper Presented by Faculty

S.No.	Name	Name of Conference	Presented Paper Title	National / International	Attended Date	Attended Venue
1	Ms. Anjali Rai	National Conference on " Emerging Challenges for	"A Comprehensive Study of Practice of Work Engagement for an Effective Organization"	National	31st May - 2nd June 2012	IIT, Roorkee Uttrakhand

		Sustainable Business"				

S.No.	Name	Published Paper Title	Published By	Year	Amount
1	Ms. Mili Soni	KPM Solution Bank Communication for Mgmt.	KPH, Lucknow	2007	
2	Ms. Mili Soni	KPM Solution Bank Organizational Behavior	KPH, Lucknow	2007	

20	Areas of consultancy and income generated	Nil

21	Faculty as members in
	  a. National committees
	  b. International Committees
	  c. Editorial Boards
		a. 3
		b. 0
		c. 3

22	Student projects
	  a. Percentage of students who have done in-house projects including inter departmental/programme
	  b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies
		100% in house

23   Awards / Recognitions received by faculty and students

S.No.	Name	Branch / Year	Name of Even / Tech Fest	Partcipated in	National / International	Attended Date	Attended Venue	Award
	ABES Engineering Collge, Ghaziabad							
	Student Event							
1	*Vaibhav Dubey, Suyash Pandey Kuldeep Kumar Shivangi Sandhya Bhat*	CS - IIIrd year EC-IIIrd year EC-IIIrd year ME-IIIrd year CS-IIIrd year	The Events of Antaragni'12,the Annual Cultural Festivalof IIT Kanpur.	Gladius for Gladius, the English Parlimentary Debate, Short Movie Making (Chronica),Hindi word game (Saptarang),Sports Quize, On spot photography ,creative english writing,hindi poem writing,solo dance,hindi picture perception	National	11-14th oct-2012	IIT Kanpur	No
2	Saurabh Jain, Gaurav Kumar, Anchal Rajvanshi, Sneha Sharad	BIT	ACM India Annual Event 2015	ACM India Annual Event 2015	National	4th-8th Feb-2015	BITS, GOA	No
3	Pinki Mondal, Kritika Agarwal	BIT	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	International	11th-13th March-2015	Bharati vidyapeeth's Institute of Computer Applications and Management(BVICAM-NEW DELHI)	No
4	Shubham Rungta	CS	48th CSI Annual Convention 2013	**A comparative Analysis of a New Approach to a existing one**	International	10-13th-Dec-13	Vishakhapatnam	No
5	***Umashanker Chaudhary[1]*** Pooja Yadav[2]	CS EC	BP Singhal Memorial Sports Tournament (2nd) 2014	Chess & Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	got first prize in chess and second prize in badminton
6	**Uarvarshi Kaul**, Palak sharma, Saumya Agarwal, Shilpa Jain	CSE	Proceedings of the 3rd International conference on Soft Computing for Problem Solving	Soft Computing for Problem Solving	International	26-28th-Dec-2013	Saharanpur Campus of IIT Roorkee, Greater Noida	No

7	*Vaibhav Dubey[1]* Sandhya Bhat[2] Suyash Pandey[3] Shivangi[4] Kuldeep Gupta[5]	CSE 3rd	Antaragni-2012 English Literary Events	Gladius for Gladius, the Parlimentary Debate	National	11-14 oct.2012	IIT, Kanpur	
8	*Ashutosh Aggarwal[1],* Nikita Aggarwal[2] Syed Absar Ahmed[3]	CSE 4th	TCS Codavita 2012	TCS Coding Contest	National	03rd Sept. 2012	TCS Pune	
9	Parveen Kumar, Samra Azam,Pushpendra Kumar,Rajkamal Singh,Raghvendra Kumar	EC	ROBO-GALAXY CHAMPIONSHIP- 2014	**INDIAN'S BIGGEST ADVANCE ROBOTICS COMPTITIONS**	National	30-JAN- 05-Feb- 2014	IISC, Bangalore	No
10	Ayush Nagpal	EC	CMAI Declamation Contest	CMAI Declamation On -IT Intellectual Propertg Right- Responsibility & opportunities.	National	19-Apr-14	(National)H.P.University Auditarium ,Shimla	Ist Prize Winner
11	Master Mrinal Shekhar	EC	CMAI Declamation Contest	Is Alternate Energy Important for education & Industry	National	20-Apr-14	(National)H.P.University Auditarium ,Shimla	2nd winner
12	Jyoti Yadav[1+] Rajat Tiwari [2] Shraddha Saxena[3] Sajal Bhardwaj[4]	EC	Inspiralon Robotix Kshitij 2014	Robot X(Technology RobotIX Society	National	31st Jan.- 3rd Feb. 2014	IIT, Kharagpur	No
13	Abhilasha Gupta	EC 4th	Innovation - 2013	A National level Project Competition "C++ Based Key Optics Totor"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	
14	**Shobhit Singh Senghar,** Vivek Kumar Gautam, Sudeep Saxena, Shekhar Dhanger	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01- 2015	IIT Kharagpun	No
15	Shivani,Shradha saxena,shivam shrivastava,Prashant Kumar Gautam,	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01- 2015	IIT Kharagpun	No
16	Shobhit Gupta , Bakleshwar yadav, Bharat Saini,Arpit Mohan Kansal, Yogesh Kumar Tiwari, Tejasv Tyagi,Saurabh Chauchan, Rishabh Jain, Shivam Srivastav,Vaibhav Keshri,Shobit Gupta, Shubham Griwal, Vipul Yadav	ECE	ROBOCON -2015	ROBOCON-2015	National	02-03- 2015 to 09-03- 2015	MIT,Pune	No
17	Sakshi Sharma	ECE	COGNIZANCE -2015	COGNIZANCE -2015	National	27-29th Mar-2015	IIT - Roorkee	No

18	Shyam Arora Vikrant Bajpai Tushar Verma Shashank	EEE	Tech NIT	Battleshp	National	15th -17th Feb. 2013	Dr.B.R. Ambedkar National Institute of Tech., Jalandhar	They stood 2nd Prize
19	**Mudit Sharma1** ,Abhishek Kr. YadavMohit Garg,Sagar Verma,Amzad,Vibhor Papnej, Sohit Rathore, Deepaushu, Hament Gautam, Kapil Singh, Harshit Gupta, Nikhil, Alok, Shreyvats,HArshit	EEE	Some Sports Events :- Aamod-2014 (Sports Meet)	Cultural & Sports Festival,Bareilly **Aamod-2014 (Sports Meet)**	National	21-22-Feb-2014	SRMS Bareilly	No
20	**Rahul Mishra**,Ankur Gupta,Ashish Vimal,GauravArora,Joshita Bisht,Kuldeepak Singh,Manan,Manisha Kashyap, Raunak chaudhary, Shivani Singh,Suman Saurabh,Shubhendra Pratap Singh,Vishal Sagar Singh,Vishesh Shekhasaria	EEE	Hybrid Go-Kart Challenge	Hybrid Go-Kart Challenge	International	18th-19th-08-2014	Maharshi Markendeshwar University Amballa	No
21	Rahul Mishra	EEE	Electric solar vehicle championship(ESVC-2015)	Electric solar vehicle championship(ESVC-2015)	International	07th-08th-11-2014	Hanglaytan University, Alighar	No
22	*Shashank[1]*	EEE 2nd	Robocalypse of Techniche 2013	Technical Fest "Robocalypse"	National	30th Aug. - 01st Sept. 2013	Indian Institute of Technology , Guwahati	They stood 2nd Prize
23	*Sawan Singh[1]* Roshan Nagbanshi[2] Rahul yadav[3] Ruby[4] Sabhyata Kulshreshtha[5]	EEE 4th	Innovation - 2013	A National Level Project Competition on "Home Gas Security System"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	They stood First Position
24	**Shubham Gautam [1]** Vinod Singh [2] Tushar Shrivastava[3] Saksham Gupta[4] (Captain) Shivam Gupta [5]	EEE ME ME CS EEE	Ojasvat 2014	Table Tennis		25th-26th March 2013	Sharda University	No

25	Shashank shandiya , Anubhav Rai	EN	Vidyurja Spreigat Cognizance , IIT Roorkee	Technical Fest	National	27th,28th and 29th-march-15	IIT Roorkee	No
26	Akash Puri1	IT	The 2013 Smarta Planet challenge	**EMANDI-Smarter Conmerce**	International	20th Nov. - 1st Dec. 2013	Co-presented by-IBM, IEEE Advancing Technology for Humanity	No
27	*Sameer[1]* Paras Sachdeva[2]	IT CS	TCS Codevita'13 Final Round	C Devita 2013	National	1st Sept. - 04 Sept. 2013	TCS Yantra Park, Thane , Mumbai	No
28	***Akash Puri[1]*** Prakhar Bansal[2] Tulika Aggarwal[3] Varsha Agarwal[4]	IT IV CS CS CS	IBM The Great Mind Challenge 2012	The 2013 Smarta Planet challenge	International	6th Nov. - 8th Nov. 2013	"IBM ,EMBASSY GOLF LINK PARK, BANGALORE" "IBM India P. Ltd. , Banglore	No
29	***Kushagra Saxena[1]*** Aviral[2] Nidhish[3] Ankit Shriwal[4]	ME EC EC CS	BP Singhal Memorial Sports Tournament (2nd) 2014	Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	No

24	List of eminent academicians and scientists / visitors to the department	
25	eminars/ Conferences/Workshops organized & the source of funding g. National h. International	

26. Student profile programme/course wise:

Name of the Course / program (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
None	NIl	NIl	NIl	NIl	NIl

*M = Male   *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Master in Business Administration	96	4%	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	2
PG to Ph.D.	3
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	146 NA
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

    a. Library - Besides Central library department maintains its library for reference purpose only.

b. Internet facilities for Staff & Students – the whole campus has internet facility with   Wi-Fi Mode
c. Class rooms with ICT facility – All the class rooms have ICT Facility and Air Conditioned
d. Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies

In our state (Uttar Pradesh), the economically weaker section people whose wards undertake higher studies, their tuition fee as approved by the government is reimbursed by Social Welfare Department of the State. As per the current guidelines the eligible students apply through the college and receive the tuition fee directly into their saving accounts from Social Welfare Department. The details of application submitted under various categories in the last four years is given at 5.1.3 of SSR.

Institution spends significant amounts for the benefit of students in the form of scholarship and free ships. The details of awards given by the college is given at 5.1.2 of SSR.

32. Details on student enrichment program (special lectures / workshops/ seminar) with external experts

The comprehensive details have been given at 5.3.4 of SSR.

33. Teaching methods adopted to improve student learning
The details have been provided at Sr. No. 2.3.1, 2.3.3, and 2.3.5 of SSR.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
1.3.4 of SSR provides details of above mentioned query.

35. SWOC analysis of the department and Future plans

STRENGTHS

- Conducive working environment both for faculty and staff leading to faculty and staff retention.
- Conducive learning environment both for faculty and students which fosters a professional development among all.
- Activities undertaken to promote social welfare and inculcate a sense of social responsibility.
- A Research environment which encourages both faculty and student to take up research.
- State of the art infrastructure with wifi campus and one of the best Library with large number of books, journals, magazines, e journals of national and international repute with latest edition.
- Awards given to promote Management Excellence, Quality Research, Entrepreneurship and Academic achievement.
- A Continuous evaluation system for students

- Participative Management.
- Focus on building of Essential Skills as required by industries among all students which finally improvise their employability.
- Offering Value added courses in HR, Marketing, Finance and IT for developing Functional skills & competence to make them ready for entry level jobs and career development.
- Ranked in top 3 Management Institute in UPTU.
- Continuously producing Gold Medalist from last 2 years and rank holders regularly.
- Initiatives are undertaken for supporting number of slow learners and students from diverse backgrounds.
- Strong Industry linkages.
- Arranging summer internships in good companies
- Use of Innovative teaching.
- Emphasis on holistic development of students.
- Fostering Innovation and Entrepreneurship through an initiative " SPARK"

WEAKNESSES

- Institute can't update course curriculum.
- Lack of flexibility in admitting International students to MBA programs.

OPPORTUNITIES

- To have an International Campus.
- To be one of the globally recognized Institutions of Management.

CHALLENGES

- Students with diverse background with diverse needs.
- Enhancing number of students opting for entrepreneurship.
- Recruiting highly experienced faculty.
- More autonomy in admission procedure to attract international students.

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EVALUATIVE REPORT OF MASTER IN COMPUTER APPLICATION DEPARTMENT

1	Name of the department	Master In Computer Application+-
2	Year of the Establishment	2000
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	Post Graduate
4	Names of Interdisciplinary courses and the departments / units involved	1. Professional Communication-AS&H 2. Accounting and Financial Management – MBA 3. Environment & Ecology – AS&H
5	Annual/ semester/choice based credit system (programme wise)	Semester Based
6	Participation of the department in the courses offered by other departments	Modeling and Simulation – ME Data Structure Using C – EC Cyber Security – CE Computer Based Numerical and Statistical Techniques -IT
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	None
8	Details of courses /programmes discontinued (if any) with reasons	None

9	No. of teaching posts	Post	Sanctioned	Filled
		Prof.	3	2
		Asso. Prof.	5	2
		Asst. Prof.	16	19

10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr.no.	Faculty Name	Qualification	Exact Designation	Areas of Specialization	Total Experience in Years
1	Ms. SAUMYA BATHAM	B.TECH. M.TECH.	ASST PROFESSOR	COMPUTER SCIENCE	1
2	Ms. PRIYANKA NAGPAL	BCA MCA MBA	ASST PROFESSOR	COMPUTER SCIENCE	3
3	Ms. NITIKA JAIN	BCOM MCOM MBA	ASST PROFESSOR	MRKT & HR	24
4	Dr. ARJUN KUMAR	B.SC. MCA M.SC., M.PHIL., M.TECH.	ASSOCIATE PROFESSOR	CSE	
5	Mr. TARUN KUMAR SHARMA	B.SC. M.TECH. MCA	ASST PROFESSOR	CSE	

6	Dr. DEVENDRA KUMAR	B.SC. M.TECH. (IT) MCA	ASST PROFESSOR	CSE	
7	Mr. VINOD KUMAR	B.SC. MCA PGDIT(IT)	ASST PROFESSOR	COMPUTER APPLICATIONS	
8	Dr. RAKESH KUMAR	B.SC. M.TECH. GNIIT	ASST PROFESSOR	CSE	
9	Mr. BIRENDRA KUMAR SARASWAT	BCA MCA M.TECH. (PURSUING)	ASST PROFESSOR	CSE	
10	Mr. SHOEB KHAN	B.COM MCA	ASST PROFESSOR	CSE	
11	Mr. PARUL KUNDRA	B.SC. MCA	ASST PROFESSOR	CSE	
12	Ms. REENA AGARWAL	B.COM. MCA	ASST PROFESSOR	CSE	
13	Ms. NEETU SHARMA	B.SC. MCA M.SC.	ASST PROFESSOR	COMPUTER APPLICATIONS & MATHS	
14	Mr. VIKAS TYAGI	B.SC. MCA	ASST PROFESSOR	MCA	5
15	Mr. RAJESH KUMAR MAURYA	B.SC. MCA M.TECH	ASST PROFESSOR	COMPUTER SCIENCE	19
16	Dr. NAVEEN KUMAR SINGH	B.SC. M.TECH	HEAD OF DEPT	CSE	29
17	Mrs. PRAGYA TEWARI	B.SC. M.TECH. M.SC.	ASST PROFESSOR	CSE	12
18	Mr. SURENDRA KUMAR PATHAK	B.SC. M.TECH. MCA	ASSOCIATE PROFESSOR	CSE	21
19	Mr. JAGDISH SINGH	AMIE M.TECH.	PROFESSOR	COMPUTER NETWORKS	16
20	Ms. SHWETA AGARWAL	B.SC. MCA	ASST PROFESSOR		6
21	Ms. KITTY AHUJA	B.SC. MCA PH.D.(PURSUING)	ASST PROFESSOR	SOFTWARE TECHNOLOGY	17
22	Ms. HEENA DANGEY	BCA MCA	ASST PROFESSOR		10
23	Ms. ESMITA SINGH	BCA M.TECH. MCA	ASST PROFESSOR		12

11	List of Senior Visiting faculty	Nil		
12	Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty	Nil		
13	Student-Teacher Ratio (program wise)	1:15		
14	Number of academic support staff (technical) and administrative staff;	Sanctioned- 15	Filled – 15	

	sanctioned and filled			
15	Qualifications of teaching faculty with DSc/ D.Litt / Ph.D / MPhil / PG.	Details at Sr. No. 10		
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	Nil		
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	Nil		
18	Research Centre /facility recognized by the University	Nil		

19	Publication		
		a) Publication per faculty	
		Number of papers published in peer reviewed journals (national / international) by faculty and students	
		Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
		Monographs	
		Chapter in Books	
		Books Edited	
		Books with ISBN/ISSN numbers with details of publishers	
		Citation Index	
		SNIP	
		SJR	
		Impact factor	
		h-index	

S.No.	Name	Name of Workshop/ Seminar/ Conference/FDP	Attended Date	Attended Venue	Duration
1	Mr. K.P. Jayant	Orientation Program on 'Human Values and Professional Ethics'	09th to 16th July 2012	IIT, Kanpur	08 Days
2	Mr. Surendra Kr. Pathak	Sun Faculty Workshop Java ™ Programming Language	07th - 11th Jume 2007	UPTU	"04 Days
3	Ms. Neetu Sharma	"Matlab and It's Engineering Applicaions"	24th to 28th June, 2013	Krishna Institute of Engg. &Technology , Ghaziabad	"05 Days

S.No.	Name	Name of Workshop/ Seminar/ Conference	National / International	Attended Date	Attended Venue	Duration
1	Mr. K.P. Jayant	Data Warehousing & Data Mining	National	26-Apr-08	IPEM, Gzb.	"01 Day

2	Mr. Naveen Kumar Singh	Mobile Computing	National	17 Nov.2007	IPEM, Gzb.	"01 Day
3	Mr. Arjun Kumar	Quantumis	National	27th Sept. 2009	New Delhi	:01 Day
4	Mr. Surendra Kr. Pathak	Mobile Computing	National	17 Nov.2007	IPEM, Gzb.	"01 Day
5	Mr. Rajesh Kumar Maurya	Mobile Computing	National	17 Nov.2007	IPEM, Gzb.	"01 Day

20	Areas of consultancy and income generated	Nil

21	Faculty as members in
	   a. National committees
	   b. International Committees
	   c. Editorial Boards
		a. Dr. Devendra Kumar
		     Mr. Vikas Kumar

22	Student projects
	   a. Percentage of students who have done in-house projects including inter departmental/programme
	   b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies
		a. 100%

23   Awards / Recognitions received by faculty and students

ABES Engineering Collge, Ghaziabad								
Student Event								
S.No.	Name	Branch / Year	Name of Even / Tech Fest	Partcipated in	National / International	Attended Date	Attended Venue	Award
1	*Vaibhav Dubey, Suyash Pandey Kuldeep Kumar Shivangi Sandhya Bhat*	CS - IIIrd year EC-IIIrd year EC-IIIrd year ME-IIIrd year CS-IIIrd year	The Events of Antaragni'12,the Annual Cultural Festivalof IIT Kanpur.	Gladius for Gladius, the English Parlimentary Debate, Short Movie Making (Chronica),Hindi word game (Saptarang),Sports Quize, On spot photography ,creative english writing,hindi poem writing,solo dance,hindi picture perception	National	11-14th oct-2012	IIT Kanpur	No
2	Saurabh Jain, Gaurav Kumar, Anchal Rajvanshi, Sneha Sharad	BIT	ACM India Annual Event 2015	ACM India Annual Event 2015	National	4th-8th Feb-2015	BITS, GOA	No
3	Pinki Mondal, Kritika Agarwal	BIT	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	9th India com; 2nd 2015 International conference on computing for sustainable global Development INDIA COM -2015	International	11th-13th March-2015	Bharati vidyapeeth's Institute of Computer Applications and Management(BVICAM-NEW DELHI)	No
4	Shubham Rungta	CS	48th CSI Annual Convention 2013	**A comparative Analysis of a New Approach to a existing one**	International	10-13th-Dec-13	Vishakhapatnam	No
5	***Umashanker Chaudhary*[1]** Pooja Yadav[2]	CS EC	BP Singhal Memorial Sports Tournament (2nd) 2014	Chess & Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	got first prize in chess and second prize in badminton
6	**Uarvarshi Kaul**, Palak sharma, Saumya Agarwal, Shilpa Jain	CSE	Proceedings of the 3rd International conference on Soft Computing for Problem Solving	Soft Computing for Problem Solving	International	26-28th-Dec-2013	Saharanpur Campus of IIT Roorkee, Greater Noida	No

7	**Vaibhav Dubey**[1] Sandhya Bhat[2] Suyash Pandey[3] Shivangi[4] Kuldeep Gupta[5]	CSE 3rd	Antaragni-2012 English Literary Events	Gladius for Gladius, the Parlimentary Debate	National	11-14 oct.2012	IIT, Kanpur	
8	**Ashutosh Aggarwal**[1], Nikita Aggarwal[2] Syed Absar Ahmed[3]	CSE 4th	TCS Codavita 2012	TCS Coding Contest	National	03rd Sept. 2012	TCS Pune	
9	Parveen Kumar, Samra Azam,Pushpendra Kumar,Rajkamal Singh,Raghvendra Kumar	EC	ROBO-GALAXY CHAMPIONSHIP- 2014	**INDIAN'S BIGGEST ADVANCE ROBOTICS COMPTITIONS**	National	30-JAN- 05-Feb- 2014	IISC, Bangalore	No
10	Ayush Nagpal	EC	CMAI Declamation Contest	CMAI Declamation On -IT Intellectual Propertg Right- Responsibility & opportunities.	National	19-Apr-14	(National)H.P.University Auditarium ,Shimla	Ist Prize Winner
11	Master Mrinal Shekhar	EC	CMAI Declamation Contest	Is Alternate Energy Important for education & Industry	National	20-Apr-14	(National)H.P.University Auditarium ,Shimla	2nd winner
12	**Jyoti Yadav**[1+] Rajat Tiwari [2] Shraddha Saxena[3] Sajal Bhardwaj[4]	EC	Inspiralon Robotix Kshitij 2014	Robot X(Technology RobotIX Society	National	31st Jan.- 3rd Feb. 2014	IIT, Kharagpur	No
13	Abhilasha Gupta	EC 4th	Innovation - 2013	A National level Project Competition "C++ Based Key Optics Totor"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	
14	**Shobhit Singh Senghar,** Vivek Kumar Gautam, Sudeep Saxena, Shekhar Dhanger	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01- 2015	IIT Kharagpun	No
15	Shivani,Shradha saxena,shivam shrivastava,Prashant Kumar Gautam,	ECE	KSHITIJ-2015	KSHITIJ-2015	National	30-01- 2015	IIT Kharagpun	No
16	Shobhit Gupta , Bakleshwar yadav, Bharat Saini,Arpit Mohan Kansal, Yogesh Kumar Tiwari, Tejasv Tyagi,Saurabh Chauchan, Rishabh Jain, Shivam Srivastav,Vaibhav Keshri,Shobit Gupta, Shubham Griwal, Vipul Yadav	ECE	ROBOCON -2015	ROBOCON-2015	National	02-03- 2015 to 09-03- 2015	MIT,Pune	No
17	Sakshi Sharma	ECE	COGNIZANCE -2015	COGNIZANCE -2015	National	27-29th Mar-2015	IIT - Roorkee	No

18	Shyam Arora Vikrant Bajpai Tushar Verma Shashank	EEE	Tech NIT	Battleshp	National	15th -17th Feb. 2013	Dr.B.R. Ambedkar National Institute of Tech., Jalandhar	They stood 2nd Prize
19	**Mudit Sharma1** ,Abhishek Kr. YadavMohit Garg,Sagar Verma,Amzad,Vibhor Papnej, Sohit Rathore, Deepaushu, Hament Gautam, Kapil Singh, Harshit Gupta, Nikhil, Alok, Shreyvats,HArshit	EEE	Some Sports Events :- Aamod-2014 (Sports Meet)	Cultural & Sports Festival,Bareilly **Aamod-2014 (Sports Meet)**	National	21-22-Feb-2014	SRMS Bareilly	No
20	**Rahul Mishra**,Ankur Gupta,Ashish Vimal,GauravArora,Joshita Bisht,Kuldeepak Singh,Manan,Manisha Kashyap, Raunak chaudhary, Shivani Singh,Suman Saurabh,Shubhendra Pratap Singh,Vishal Sagar Singh,Vishesh Shekhasaria	EEE	Hybrid Go-Kart Challenge	Hybrid Go-Kart Challenge	International	18th-19th-08-2014	Maharshi Markendeshwar University Amballa	No
21	Rahul Mishra	EEE	Electric solar vehicle championship(ESVC-2015)	Electric solar vehicle championship(ESVC-2015)	International	07th-08th-11-2014	Hanglaytan University, Alighar	No
22	*Shashank[1]*	EEE 2nd	Robocalypse of Techniche 2013	Technical Fest "Robocalypse"	National	30th Aug. - 01st Sept. 2013	Indian Institute of Technology , Guwahati	They stood 2nd Prize
23	*Sawan Singh[1]* Roshan Nagbanshi[2] Rahul yadav[3] Ruby[4] Sabhyata Kulshreshtha[5]	EEE 4th	Innovation - 2013	A National Level Project Competition on "Home Gas Security System"	National	8th -9th March 2013	SIES Graduate School of Technology ,Nerul, Navi Mumbai	They stood First Position
24	**Shubham Gautam [1]** Vinod Singh [2] Tushar Shrivastava[3] Saksham Gupta[4] (Captain) Shivam Gupta [5]	EEE ME ME CS EEE	Ojasvat 2014	Table Tennis		25th-26th March 2013	Sharda University	No

25	Shashank shandiya , Anubhav Rai	EN	Vidyurja Spreigat Cognizance , IIT Roorkee	Technical Fest	National	27th,28th and 29th-march-15	IIT Roorkee	No
26	Akash Puri1	IT	The 2013 Smarta Planet challenge	**EMANDI-Smarter Conmerce**	International	20th Nov. - 1st Dec. 2013	Co-presented by-IBM, IEEE Advancing Technology for Humanity	No
27	*Sameer[1]* Paras Sachdeva[2]	IT CS	TCS Codevita'13 Final Round	C Devita 2013	National	1st Sept. - 04 Sept. 2013	TCS Yantra Park, Thane , Mumbai	No
28	***Akash Puri[1]*** Prakhar Bansal[2] Tulika Aggarwal[3] Varsha Agarwal[4]	IT IV CS CS CS	IBM The Great Mind Challenge 2012	The 2013 Smarta Planet challenge	International	6th Nov. - 8th Nov. 2013	"IBM ,EMBASSY GOLF LINK PARK, BANGALORE" "IBM India P. Ltd. , Banglore	No
29	***Kushagra Saxena[1]*** Aviral[2] Nidhish[3] Ankit Shriwal[4]	ME EC EC CS	BP Singhal Memorial Sports Tournament (2nd) 2014	Badminton	National	19th - 22nd Feb. 2014	Inmantec campus	No

24	List of eminent academicians and scientists / visitors to the department	Nil
25	Seminars/ Conferences/Workshops organized & the source of funding a. National b. International	

26.   Student profile programme/course wise:

Name of the Course / program (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
MCA	-	110	77	33	90%

*M = Male   *F = Female

27.   Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Master in Business Administration	89.9	10.90	Nil

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29.   Student progression

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	2
PG to Ph.D.	3
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	146 NA
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

   a. Library - Besides Central library department maintains its library for reference purpose only.
   b. Internet facilities for Staff & Students – the whole campus has internet facility with   Wi-Fi Mode
   c. Class rooms with ICT facility – All the class rooms have ICT Facility and Air Conditioned
   d. Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies

In our state (Uttar Pradesh), the economically weaker section people whose wards undertake higher studies, their tuition fee as approved by the government is reimbursed by Social Welfare Department of the State. As per the current guidelines the eligible students apply through the college and receive the tuition fee directly into their saving accounts from Social Welfare Department. The details of application submitted under various categories in the last four years is given at 5.1.3 of SSR.

Institution spends significant amounts for the benefit of students in the form of scholarship and free ships. The details of awards given by the college is given at 5.1.2 of SSR.

32. Details on student enrichment program (special lectures / workshops/ seminar) with external experts
The comprehensive details have been given at 5.3.4 of SSR.

33. Teaching methods adopted to improve student learning
The details have been provided at Sr. No. 2.3.1, 2.3.3, and 2.3.5 of SSR.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
1.3.4 of SSR provides details of above mentioned query.

35. SWOC analysis of the department and Future plans
Strengths:
- Well Qualified, motivated and dedicated faculty
- Execellent infrastructure, labs, classrooms, seminar halls and training aids
- Centers of excellence
Weakness:

- Lack of Sponsored projects
Opportunities:

- Increasing no. of computer application related jobs in the market
- COEs are helping to reduce the gap between industry requirements and academics.
Challenges:

Future Plans:

- More focus on practical training of laterst technologies by industry experts.
- More emphasis on improvement of soft skill of students by providing personality Development training.