



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

Part A	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	ABES ENGINEERING COLLEGE
Name of the head of the Institution	Prof. Shailesh Tiwari
Designation	Director
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	01207135112
Mobile no.	9643001069
Registered Email	director@abes.ac.in
Alternate Email	info@abes.ac.in
Address	19th Km Stone, NH:24, Delhi Hapur Bye Pass Road, Ghaziabad
City/Town	GHAZIABAD
State/UT	Uttar pradesh
Pincode	201009

<b>2. Institutional Status</b>	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Prof. Hemant Ahuja
Phone no/Alternate Phone no.	01207135112
Mobile no.	9643001069
Registered Email	info@abes.ac.in
Alternate Email	iqac@abes.ac.in

**3. Website Address**

Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.abes.ac.in/wp-content/uploads/2018/10/UPCOGN23025-ABES-Engineering-College-Ghaziabad-Uttar-Pradesh-AQAR-2017-18.pdf">https://www.abes.ac.in/wp-content/uploads/2018/10/UPCOGN23025-ABES-Engineering-College-Ghaziabad-Uttar-Pradesh-AQAR-2017-18.pdf</a>
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<b>4. Whether Academic Calendar prepared during the year</b>	Yes
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if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.abes.ac.in/pdf/academic-calendar-odd-sem-2019-20/">https://www.abes.ac.in/pdf/academic-calendar-odd-sem-2019-20/</a>
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**5. Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B	2.75	2016	25-May-2016	24-May-2021

<b>6. Date of Establishment of IQAC</b>	01-Sep-2014
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**7. Internal Quality Assurance System**

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Implementation of Rubrics	23-Jul-2018 4	50
Web session/Software (IonCUDOS) based implementation of OBE structure	25-Aug-2018 4	60
Training programme/IonCUDOS Software based Implementation of OBE	29-Aug-2018 16	60
ICT based STTP on Problem based learning	20-May-2019 80	22
FDP on Outcome based pedagogic principles for effective teaching and learning	22-Apr-2019 40	40
Staff Development Programme on advanced Excel techniques	21-Jul-2018 8	30

**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
<b>No Data Entered/Not Applicable!!!</b>				
<a href="#">View File</a>				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

• GOT ISO 9001:2015 CERTIFICATION BY TUV RHIENLAND • ECE AND CSE DEPARTMENTS GOT RE ACCREDITED BY NBA TILL JUNE 2022 • SIGNIFICANT IMPROVEMENT IN GOVERNMENT FUNDED PROJECTS AND RESEARCH PAPERS OVER THE LAST YEAR • IMPROVEMENTS IN THE RESULTS IN ALL BRANCHES AND MAINTAINING 1ST POSITION IN UNIVERSITY FOR 1ST YEAR RESULTS • GOT EXCELLENT NUMBER OF STUDENTS PLACEMENT

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
To apply for ISO certification. Internal and external audits were planned for ISO certification. Internal audit was planned by IQAC and external audit through consultant ISO	Got the ISO Certification
To apply NBA Compliance of ECE and CSE departments	Got ECE and CSE Departments re-accredited by NBA for next three years
Skill development of students through technical and soft skills trainings	Rise in quantity and quality of placements compared to previous years
To focus on Research and development activities	Significant funding by Government agencies and appreciable rise in quality publications
To open a separate cell for Building Industrial Technical Solutions	Rise in consultancy projects through industries
Regular meetings and audits by IQAC	Enhancement in Results of all the branches, specially the 1st year results.
Software implementation of OBE processes	Purchased and Implemented IonCUDOS software for OBE practices
Encourage Entrepreneurship awareness	Got Thirty Five Lakhs of Fund from DST under DST-NIMAT Project 2018-19
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Board of Governors, ABESec	13-Sep-2019

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

Yes

Date of Visit

16-Mar-2019

<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2019
Date of Submission	28-Feb-2019
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>LSAcademia ERP/MIS for ABES Engineering College LSAcademia covers all aspects of academic administration in a comprehensive manner, ensuring that the institute remains in control of the management of academic affairs of students effectively at all times. The various academic management modules include: Curriculum Setup LSAcademia lets institutes structure the curriculum setup in accordance to the various Programs / Subject Streams offered, thereby providing the capability to handle complex curriculums with ease. This module can be deployed for a semester system, a trimester system, or any other term system. The student intake for different programs/disciplines can be predefined and further sectioning/grouping of students can be done. The subjectcluster for different stages/semesters of a particular program can be defined. There is flexibility to create compulsory and optional subjects. The curriculum can be assigned to students in bulk or individually as required. parametric setup manage complex curriculum create groups/sections Student Management This module facilitates the following details: comprehensive profile student photo ID cards certificate printing Attendance Staff Management Following are some of the functions that you can easily do with the help of this module: View /add/delete/update Profile Staff ID Cards Maintain Remarks Maintain Staff Type Attendance Examinations Results This module of LSAcademia provides flexibility in defining the assessment plan in terms of tests, assignments, tutorials, practicals, projects and examinations of different Programs / Subject Streams. An</p>

assessment plan can be applied on multiple subjects. LibSys: Library Management System Hostel Management System LSAcademia.: A separate portal interface for students and faculty each keeps both abreast with the latest information on various aspects of academic and campus life in the institute.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Our institute has well developed mechanism for the effective curriculum delivery and its documentation. The steps involved are mentioned as below.:

- Subject allocation to faculty members as per their choice (out of 3), roles and responsibilities at department and institution level, teaching load etc. are decided well before the start of every new session/semester.
- Academic calendar of the college is drafted by keeping in view the academic calendar provided by Uttar Pradesh Technical University, Lucknow, U.P.
- According to the Academic calendar, Lecture plan and Lecture wise Delivery Schedule (LDS) are prepared by the faculty members teaching the subject.
- Course file for all subjects is then prepared by concerned faculty.
- 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 and forms the part of the course file.
- Teaching aids are provided in each class to facilitate better Teaching Learning Process.
- Sessional Exams (3 numbers) are conducted centrally as per the standard format fulfilling aspects of bloom's taxonomy.
- Remedial classes are conducted to make slow learners to understand the subject and catch up with the fellow students.
- Video lectures (from NPTEL etc), Guest Lecturer from eminent personalities of different fields, YouTube lectures by college faculty members and Industrial Visits are planned to bridge the gap between curriculum and Industry.
- To fill the gap between university curriculum and industry needs regarding technical skill sets for various departments, various short term courses/ Summer Trainings are conducted.
- Value added courses are arranged to fulfill the industry requirements.
- For monitoring effective curriculum delivery, HoDs keep a regular check on the content delivered by faculty in the class.
- Additional topics are covered by the faculty apart from the curriculum as a part of subject coverage beyond syllabus.
- 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
- Internet/ Wi-Fi connections are available throughout the campus including hostel for easy surfing of subject related seminars, conference and other technical notes.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Data Analytics	NA	25/06/2019	40	YES	YES

Hybrid mobile app development program	NA	07/09/2018	40	YES	YES
Cyber Security program	NA	24/08/2018	40	YES	YES
Digital Marketing	NA	26/07/2019	16	YES	YES
PC BASED AUTOMATION USING SIGNAL PROVESSING LabVIEW PLATFORM	NA	26/06/2019	60	YES	YES
INDUSTRIAL AUTOMATION	NA	10/01/2019	60	YES	YES
PROJECT BASED EMBEDDED SYSTEMS BASIC AVR TRAINING PROGRAM	NA	26/06/2019	60	YES	YES
VLSI Training	NA	28/06/2019	100	YES	YES
Foundation Training Phase I Autocad	NA	21/05/2019	40	YES	YES
Foundation Training Phase II Autocad	NA	08/07/2019	40	YES	YES
ISBP Phase 1	NA	05/09/2018	40	YES	YES
ISBP Phase 2	NA	26/02/2019	30	YES	YES
PC BASED AUTOMATION USING SIGNAL PROVESSING LabVIEW PLATFORM	NA	26/06/2019	60	YES	YES
INDUSTRIAL AUTOMATION	NA	10/01/2019	60	YES	YES
PROJECT BASED EMBEDDED SYSTEMS BASIC AVR TRAINING PROGRAM	NA	26/06/2019	60	YES	YES

VLSI Training	NA	28/06/2019	100	YES	YES
Ethereum Blockchain Developer	NA	26/06/2019	40	YES	YES
Python Data Analysis	NA	10/01/2019	40	YES	YES

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Computer Engineering and Information Technology	02/07/2018

### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Computer Engineering and Information Technology	02/07/2018
BTech	Electronics and Communication Engineering	02/07/2018
BTech	Electrical and Electronics Engineering	02/07/2018
BTech	Computer Science and Engineering	02/07/2018
BTech	Mechanical Engineering	02/07/2018
BTech	Civil Engineering	02/07/2018
BTech	Information Technology	02/07/2018

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	999	0

## 1.3 – Curriculum Enrichment

### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
SKILL BASED TRAINING (SOFTWARE TESTING)	27/09/2018	18
SKILL BASED TRAINING (CODE CHEF)	10/09/2018	15
Robocon, 2018	04/06/2019	25
Payroll and legal compliances	26/07/2018	31
HR Corporate suitability training	26/07/2018	31
Robocon, 2018	19/09/2018	25
CNC	06/11/2018	8



Autocad	06/11/2018	11
Solidworks	26/02/2019	17
Solidworks	11/06/2019	17
SAE BAJA	04/06/2019	20
EFFICYCLE	01/06/2019	10
SKILL BASED TRAINING (CISCO)	24/08/2018	12
Specialized core java program	04/10/2018	14
Foundation Python	10/06/2019	18
Mobile Application Development ECommerce based business models	12/02/2019	12
CIRCUIT DESIGN SIMULATION	04/06/2018	30

### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Electronics and Communication Engineering	198
BTech	Civil Engineering	223
BTech	Electrical and Electronics Engineering	29
BTech	Computer Science Engineering	228
BTech	Information technology	56
BTech	Mechanical Engineering	226
BTech	Applied Science and Humanities	21
MBA	Master of Business Administration	102
MCA	Master of Computer Applications	7

### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

#### 1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
There are following purposes of feedback: • Making sure that the stakeholders have the assurance of quality delivered. • Developing faculty/students to

improve performance. • Providing a post measure of the effectiveness of the program. For proper designing and framing or reframing of Curriculum / Development of all possible area of infrastructure and Teaching learning process, feedbacks are collected from various stake holders on a regular basis. The institution collects the feedback on curriculum aspects and courses from different stakeholders such as the students, alumni, Faculty and Employers. Institution established Academic Council in order to ensure and analyse the academic excellence at student and faculty levels. Periodical analysis is made by Academic Council from the following: student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment. Type of feedback: ABES have following feedback system 1. Students Feedback 2. Course exit survey 3. Graduate exit survey 4. Students feedback on facilities 5. Corporate feedback 6. Parents feedback 7. Feedback from faculty 8. Alumni feedback ABESEEC thoroughly reviews the curriculum for every academic year. The college maintains an IQAC as a quality consistence and quality enhancement measure. In supervision of IQAC, various departments and committees like Career Guidance, AntiRagging etc. reinforce the curriculum by incorporating updated information and social issues. Institute collects the feedback physically from stockholders viz. Students, Parents and Teachers on Curriculum which is prescribed by the university. The college conducts annual Alumni Meet, in which suggestions and feedback is received from Alumni students. Feedback from industry, management, R D establishments and professionals is obtained through college website's feedback blog. The provided feedback data is presented to the Academic Council Meeting for necessary implementation in curriculum. Alumni surveys are conducted during alumni interaction at the alumni association meeting held every year. Whenever any alumni visits the college, feedback is taken. Mentoring and guidance: After receiving the feedback from stakeholders its analysis and ATR is being done to provide the support and guidance for the improvement of teaching learning process and its environment. Receiving of feedback and implementation: There is a IQAC cell in the central level and dept level that implement the feedback and received it. Process to provide feedback: ABES conducted do the feedback both online and manually by sending and filling the feedback form to them. After that the departmental IQAC analyzed it and make ATR. After that report is prepared and presented to IQAC for further action.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Computer Science and Engineering	180	1000	185
BTech	Civil Engineering	120	200	97
BTech	Computer Engineering and information technology	60	150	63
BTech	Electronics and Communication Engineering	180	700	186
BTech	Electronics and Electronics	120	160	121

	Engineering			
BTech	Information technology	180	950	182
BTech	Mechanical Engineering	180	340	182
Mtech	Computer Science and Engineering	18	9	6
Mtech	Electronics and Communication Engineering	18	3	1
Mtech	Mechanical Engineering	18	5	2
MBA	Master of Business Administration	120	137	105
MCA	Master of Computer Applications	120	173	13

## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	3949	397	215	23	12

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
250	243	6	72	1	4

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

ABES Engineering College has developed a mentor mentee system by emphasizing on “GURUSHISHYA” parampara. The Institute has a well formed mentoring system to communicate with the students at individual level. A mentor, at ABES is a friend, philosopher guide who helps student mentee in totality under himself/herself. The mentor provides guidance to the mentee in career advancement, academic work and pay heed the personal problems also. The mentors encourage and motivate their mentees to improve their skills and knowledge for personal and professional growth. Mentoring of students thus, is an essential feature to render equitable service to all our students having varied background. Student mentoring has the following aims: • To enhance teacher student contact hours • To enhance students’ academic performance and attendance • To minimize student dropout rates • To identify and understand the status of slow learners and encourage advanced learners The process of formulation and functioning of mentoring system, which is followed by the institute as well as department, is given below: • Each department computes the faculty student ratio for student allocation to mentors. Generally, each faculty member has a group of 15 to 20 students as his / her mentees. • The mentor mentee meeting is held weekly. The purpose of this meeting is to monitor the progress and

performance of individual mentee. It also helps to understand their problems, resolve them as soon as possible and hence establish a good connect between mentor and mentee. This meeting also has a purpose of encouraging students to show active participation in various co curricular and extracurricular activities. The mentor discusses the progress, problems and then suggests the further course of action to his/ her mentees to perform well in their student life. • Mentor maintains the record of his/ her mentees which includes student's details, family details, and academic performance details including the attendance, participation in cocurricular and extracurricular activities. • At the end of each semester, every mentor submits final report to department. The report consists of overall observation of all meeting held in the semester. The mentor is also supposed to provide a feedback of each mentee to the department. After the end of each session, Parents' Survey is taken which also gives an insight about the concerns of the parents as well as their satisfaction levels regarding the facilities provided by the college.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4346	250	1:17.4

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
237	250	0	22	4

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. N.P Gupta	Professor	Excellent Researcher award received during GECL Awards by LIFE WAY Technology, Jaipur
2018	Mr. Sanjeev Kumar Saini	Assistant Professor	UGC NET AP (Electronic Science)
2018	Mr. Devvrat Tyagi	Assistant Professor	CLAD Certification
2018	Mr. Vivek Kumar Verma	Associate Professor	UGC NET AP (Electronic Science)
2018	Mr Anuj Kumar Jain	Associate Professor	COMMENDABLE RESEARCH AWARD

## 2.5 – Evaluation Process and Reforms

### 2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Assessment of performance of students is an integral part of teaching and learning process. As a part of sound educational strategy, the institution adopts Centralized Continuous Internal Evaluation (CIE) System to assess all aspects of a student's development on a continuous basis throughout the year. The purpose of the Continuous Internal Evaluation (CIE) System is twofold i.e. to prepare the students for the End Semester External Examination and to monitor his/her progress throughout the semester. In continuation to understand the applications of theory subjects, practical sessions (as per the slots allotted to each subject in the TimeTable) are held in the odd/even semesters. To increase the effectiveness introductory session of experiment list with course outcomes is conducted. Experiments are conducted in smaller groups of students and students make a record of each practical in their laboratory manuals/drawing sheets which are regularly checked. Sessional Practical exam along with endterm practical examinations evaluation is done to assess the learning in the practical. Orientation on Evaluation Process: Students are made aware of the evaluation process through the following initiatives: • The orientation program • Teaching Plan/ syllabus contains evaluation procedures • Academic Calendar with Sessional University Exam dates • Display on the College and Departmental Notice Board Examination Pattern: The College follows the Examination pattern prescribed by the affiliating university, which comprises a combination of Sessional and External assessment. The marks for sessional and external examinations are prescribed in the Syllabi of the affiliating university and the college follows the same. The criterion for awarding sessional marks is also prescribed by the university. For Theory Courses: • Institute conducts Sessional Test 1 and Sessional Test 2 of 30 marks of 1.5 hours for each subject. Syllabus for ST1 consists of first 2 Units covering 40 of Syllabus. ST2 includes next 2 Units (40 of Syllabus). The PreUniversity Exam (PUE) is conducted after complete coverage of syllabus of three hours duration (100). • Teachers Assessment must include assignments, quizzes, mini projects, seminars/presentations For Practical Courses: Each experiment in lab is evaluated on following parameters: • Prelab work (5 Marks) • Experiment execution (10 Marks) • Viva (5 marks) • On time submission (5 Marks) For Project Evaluation Evaluation phases (with at least 3 scheduled Presentations per semester) includes: • Problem Identification • Literature Review • Problem Implementation • Project Management • Professional and Social Responsibilities • Presentation Skills • Documentation The college has designed Rubrics to evaluate the students' performance in Projects, Industrial Trainings and Seminars. The main insight behind developing these Rubrics is to cover all the aspects of evaluation objectively and uniformly. Rubrics are instrumental in quality enhancement. Each department shares these Rubrics with all the students in advance so that the students prepare themselves well

### 2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Before the commencement of every semester Academic calendar is prepared based on the University academic calendar and considering other Academic and nonacademic activities of the Institute. The process followed is as mentioned below: • Registrar asks to department's dates of events if any at Institute level for the concerned semester. • After that Academic calendar is prepared which consists information and dates regarding commencement of classes and last teaching day, information about working and nonworking days, schedule of internal and external (tentative) examinations and major events at Institute level like annual cultural and technical fest and sports event, FDPs, Conferences etc. to be held during the semester. • Director convenes a meeting with all Head of the Department, Functional Heads, Registrar, Head of central exam committee Management representative. The College Academic calendar is

discussed and finalized in line with University academic calendar. • College Academic Calendar is then disseminated among students, staff faculty members and various internal stake holders through email by Registrar of the college. Same is uploaded on college website also. • Web link for academic calendar: <https://www.abes.ac.in/pdf/academiccalendaroddsem201920/> • Department plans its activities as per the college academic calendar. Course file is prepared for every course that is taught during the semester. This file consists of all the relevant information about the respective course. Lecture plan lecture delivery schedule are prepared, considering academic calendar and timetable, by the faculty members, before the commencement of the semester. The same are finally approved by the head of the department and are made available to the students. Lecture plan, Lecture delivery schedule and other important activities are strictly adhered to the academic calendar

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.abes.ac.in/academics/departments>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
10	BTech	Computer Science and Engineering	252	250	99.21
00	BTech	Civil Engineering	119	115	96.64
31	BTech	Electronics and Communication Engineering	239	233	97.49
21	BTech	Electrical and Electronics Engineering	74	73	98.65
13	BTech	Information Technology	127	125	98.43
40	BTech	Mechanical Engineering	195	183	93.85
70	BTech	Master of Business Administration	92	86	93.48
14	BTech	Master of Computer Applications	90	83	92.22

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://www.abes.ac.in/survey-reports/>

**CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION****3.1 – Resource Mobilization for Research**

## 3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	2	Vishversariya Research Proposal Scheme, AKTU, Lucknow	500000	400000
Major Projects	1	AKTU Lucknow	300000	75000
Major Projects	1	AKTU Lucknow	300000	75000
Major Projects	1	AKTU Lucknow	300000	75000
Major Projects	1	AKTU Lucknow	300000	75000
Minor Projects	1	UBAIIT DELHI	100000	100000
Minor Projects	2	UPCST	20000	10000
Minor Projects	1	DTU Delhi, GLBITM Gr. Noida, IGDTU Delhi	330000	330000
Industry sponsored Projects	06	Vimal Organics Ltd	300000	300000
Industry sponsored Projects	1	Shah Multilayer Pvt. Ltd	110000	110000
No file uploaded.				

**3.2 – Innovation Ecosystem**

## 3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
IPR Awareness Session for academics	MCA	27/07/2019
Use of Technical Terminology in engineering and management	Department of Mechanical Engineering	26/07/2019
Industry 4.0 and Smart Manufacturing	Department of Mechanical Engineering	10/06/2019
Reconfigurable manufacturing system Research Potential	Department of Mechanical Engineering	02/07/2018

## 3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
"Commendable Research Award	Dr. Anuj Kumar Jain	Delhi Technological	19/03/2019	Teachers



- 2019"		University		
"Best BPlan Cost"	Solar Vehicle Team, MED, ABES EC	ISIE. India	31/03/2019	Institution

### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	ABES EC Startups lab	ABES EC, Ghaziabad DC MSME GOI	RIO Rentals Pvt. Ltd.	Hospitality	04/07/2018
1	ABES EC	ABES EC	Happy pot Garden Private Ltd.	Environment	09/05/2018
1	ABES EC	ABES EC	REVOTAI	Artificial Intelligence	10/09/2018
1	ABES EC	ABES EC	STIRL Organics Private Ltd	Agri Business	22/05/2018
1	ABES EC	ABES EC	Hola Mantra	Business Management	05/04/2019
1	ABES EC	ABES EC	Anas Educational Services (OPC) Pvt. Ltd.	Education	27/11/2018
1	ABES EC	ABES EC	Hopper Engineering Energy Pvt. Ltd.	Waste Management	28/07/2018

### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	7	4

#### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
NA	0

#### 3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Applied Science and Humanities	27	0
National	Electronics and Communication Engineering	1	0
International	Applied Science and Humanities	4	0



International	Computer Science and Engineering	30	3
International	Master of Business Administration	15	1
International	Electronics and Communication Engineering	5	1
International	Electrical and Electronics Engineering	6	1
International	Mechanical Engineering	32	1

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Applied Science and Humanities	13
Civil Engineering	1
Computer Science and Engineering	26
Electronics and Communication Engineering	5
Electrical and Electronics Engineering	9
Master of Business Administration	13
Mechanical Engineering	2
Information technology	1
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	48	108	63	103

Presented papers	64	12	0	66
Resource persons	18	8	2	11

### 3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Cloth Donation Drive	ABES Engineering College collaboration with HUHC	2	40
Blood Donation Camp	ABES Engineering College collaboration with Rotary Club Ghaziabad North	2	45
Swachhta Pakhwada	ABES Engineering College Collaboration	2	55
Gandhi Jayanti	ABES Engineering College collaboration with AAA and HUHC	2	30
Cancer Awareness Program	ABES Engineering College collaboration with Cancer Heart Care Association.	2	60
Plantation drive and anti polythene awareness drive under Rashtriya Swacchta Mission	Unnat Bharat Abhiyaan in joint collaboration with IITDelhi	3	45
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Cloth Donation Drive (NSS)	ABES, Ghaziabad	Cloth Donation Drive on 15th Aug 18	10	100

Blood Donation Camp	Rotary Club Ghaziabad North	Blood Donation Camp, 17th Aug 18	50	300
Swachhta Pakhwada	ABES, Ghaziabad	ABESEC Campus, 1st 15th Sep 18	50	400
Clean Campus day	ABES, Ghaziabad	ABESEC Campus, 1st Sep 18	10	45
Cleaning Surrounding Day	ABES, Ghaziabad	ABES and Leading Roads and Crossings, 6th Sep 18	0	65
Cleaning Surrounding Day	Light de Literacy NGO	Nearby Area to ABESEC, 8th Sep 18	15	30
Gandhi Jayanti	AAA and HUHC	Primary School, Chipiyana, 2nd Oct 2019	10	100
UBA, Literacy	Light de Literacy is a registered NGO with Reg no. S/ND/582/2015 under Society Registration act XXI, 1860	Swachhta Mohua, Swachhta Pakheada, Awareness Rally, Blood donation Camp.	4	51

### 3.5 – Collaborations

#### 3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Research Project	Faculties and Students	AKTU, Lucknow	1
Research Proposal	Faculties and Students	AKTU, Lucknow	1
Research Proposal	Faculty	AKTU, Lucknow	1
Research Project	Faculty	AKTU, Lucknow	1
Research Project	Faculty	AKTU, Lucknow	1
Collaborative research and innovation program	Faculties	AKTU, Lucknow	1
Collaborative research and innovation program	Faculties	AKTU, Lucknow	1
Collaborative research and innovation program	Faculties	AKTU, Lucknow	1

#### 3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the	Name of the	Duration From	Duration To	Participant
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	linkage	partnering institution/ industry /research lab with contact details		
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**No Data Entered/Not Applicable !!!**

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
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**No Data Entered/Not Applicable !!!**

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## **CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES**

### **4.1 – Physical Facilities**

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
400	403.94

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Campus Area	Existing
Class rooms	Existing
Class rooms	Newly Added
Laboratories	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Classrooms with Wi-Fi OR LAN	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing

### **4.2 – Library as a Learning Resource**

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Libsys 7	Fully	7	2014

#### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	100589	30796499	3922	1414323	104511	32210822
Reference Books	4408	1424070	106	61180	4514	1485250
e-Books	55	0	50	0	105	0
Journals	98	197267	93	186011	191	383278
e-Journals	329	1230805	275	647264	604	1878069
Digital Database	4	0	0	0	4	0
CD & Video	296	54632	0	0	296	54632
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	1890	32	400	1	1	1	1	400	
Added	130	3							
Total	2020	35	400	1	1	1	1	400	0

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

400 MBPS/ GBPS
----------------

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
CETL at ABES Engineering College Published on May 17, 2016	<a href="https://www.youtube.com/watch?v=tENZZD1zIC4&amp;list=PL73aTOIQua3pjHcXbB9VRu9zQJ5WZFHgg&amp;index=4">https://www.youtube.com/watch?v=tENZZD1zIC4&amp;list=PL73aTOIQua3pjHcXbB9VRu9zQJ5WZFHgg&amp;index=4</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
182	171.53	540	565.44

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

College is using Accounting software, HR software and maintenance complaint registration software as part of computerization of administration. We have sufficient no. of Computer Labs with internet facility for each department. Campus WiFi access facilities for the faculty, staff and the students in the department and in the hostels has been made available. A focus on design inspires innovation and enhances creativity for self, builds the foundation and provides the edge for competitive success required in today's dynamic environment for engineers. A major project is a part of UG curriculum which runs in two consecutive semesters of final year. To improve the quality of projects, departments have state of art Project lab that harnesses the creative and innovative aspiring minds to put their imagination into reality. The labs provide all necessary facilities so as our students can work efficiently towards gaining a good handson experience on latest technologies and build an attitude for developing new technologies. The College ensures optimal allocation and utilization of the available financial recourses for maintenance and upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received the college as per the requirements in the interest of students. • Laboratory: Record of maintenance account is maintained by lab technicians, Lab Incharge and supervised by HOD of the concerned departments. The calibration, repairing and maintenance of sophisticated lab equipment's are done by the technicians of related OEM enterprises. • Library: Library has been computerized enabling students and faculty to access books, journals and reference materials. The library operations are automated using Libsys 7 (Library Management software), Online Public Accesses Catalogue (OPAC), book circulation, stock verification are utilized through the library software. The requirement and list of books is taken from the concerned departments and HOD's are involved in the process. The finalized list of required books is duly approved and signed by the HOD. Suggestion box is installed inside the reading room to take users feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment. Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are chalked out / resolved by the library committee. • Sports: Regarding the maintenance of sports equipment the College Sports Incharge has been appointed. The sports section of the college is well equipped with all necessary sports gear and items. • Computers: 1. Centralized computer laboratory established to enrich the students. 2. ERP software is used for maintaining faculty and students details. 3. Each Department having appropriate computer labs for their requirements. 4. Internet and WIFI Enabled campus. 5. Open access journals facilities are available. • Classrooms: 1. The college has various committees for maintenance and upkeep of infrastructure. At the departmental level, 2. HODs submit their requirements to the Director regarding classroom furniture etc. 3. There is a lab instructor in every department, who maintains the stock register by physically verifying the items of the round the year.

<https://www.abes.ac.in/wp-content/uploads/2018/07/Student-Resource-Book-2018-19.pdf>

## **CRITERION V – STUDENT SUPPORT AND PROGRESSION**

### **5.1 – Student Support**

### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Concession in Fee	22	932650
Financial Support from Other Sources			
a) National	UP Government Scholarship	899	56622150
b) International	NA	0	0
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### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
SEEP	23/07/2018	2108	CCPD
Aptitude	23/07/2018	1102	Xplore 360
Language Lab	23/07/2018	1006	ABESEC
YOGA/Mediation	06/02/2019	6	Isha Foundation (Inner Engineering Program)
YOGA/Mediation	15/03/2019	8	Isha Foundation (Inner Engineering Program Second Batch)
YOGA/Mediation	28/04/2019	55	ISKCON, Ghaziabad
YOGA/Mediation	21/06/2019	80	Bhartiya Yog Sansthan conducted International Yoga Day
YOGA/Mediation	01/07/2019	80	Gayatri Pariwar
Bridge courses	01/08/2018	21	IPTM
Bridge courses	01/08/2018	45	ITPC
Bridge courses	01/08/2018	28	Derivative World
Bridge courses	01/08/2018	45	Selfexpress
Bridge courses	01/08/2018	66	Kaizen Training
Bridge courses	01/08/2018	45	Roy Digital
CAD/CAM Summer Training with Grade A	08/06/2018	4	ABESEC
Advanced manufacturing production engineering	15/04/2019	18	ABESEC
Automobile IC Engine design workshop	09/02/2019	6	IIT, Roorkee

Automobile IC Engine design workshop	02/03/2019	6	IIT, Roorkee
HVAC	16/08/2018	12	ABESEC
Indias Entrepreneurial EcoSystem	20/09/2018	6	ABESEC
SKILL BASED TRAINING	24/08/2018	12	CISCO LABS
SKILL BASED TRAINING	27/09/2018	18	IOS LAB
SKILL BASED TRAINING	04/10/2018	6	IBM LAB
SKILL BASED TRAINING	10/09/2018	15	IBM LAB/IOS LAB
SKILL BASED TRAINING	10/09/2018	126	IOS IBM LABS
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Centre for Building Skills Employability	119	119	5	114
2018	Guidance Session after Graduation	60	254	26	238
2018	Enhancement Employability Cell,	29	233	4	154
2018	Foundation Level Training on Data Structure & Algorithm by Code Chef	0	62	0	55
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
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10

10

15

**5.2 – Student Progression**

## 5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
<b>No Data Entered/Not Applicable !!!</b>					
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## 5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.Tech	Computer Science and Engineering	IITBHU	Master of Business Administration
2019	1	B.Tech	Electronics and Communication Engineering	VENKATESHWAR A UNIVERSITY, GAJRAULA	B.ED.
2019	1	B.Tech	Electronics and Communication Engineering	IISC, BANGLORE	Integrated M.TECH PhD
2019	1	B.Tech	Electrical and Electronics Engineering	NEW YORK UNIVERSITY	MS
2019	1	B.Tech	Electrical and Electronics Engineering	UNIVERSITY OF TECHNOLOGY (UTS)	MS
2019	1	B.Tech	Information Technology	IIT HYDERABAD	MS
2019	1	B.Tech	Information Technology	JAIPURIA INSTITUTE OF MANAGEMENT (GHAZIABAD)	Master of Business Administration
2019	1	B.Tech	Mechanical Engineering	IIM KASHIPUR	Master of Business Administration
2019	1	B.Tech	Mechanical Engineering	LBSIM DELHI,	Master of Business Administration
2019	1	B.Tech	Mechanical Engineering	AMITY UNIVERSITY NOIDA	Master of Business Administration
2019	1	B.Tech	Mechanical	UNIVERSITY	MS

			Engineering	OF MARYLAND, COLLEGE PARK, MARYLAND, USA	
2019	1	B.Tech	Mechanical Engineering	INDIAN INSTITUTE OF ENGG & TECH, SHIBPUR.	M.Tech
2019	1	B.Tech	Mechanical Engineering	NIT ,JALANDHAR	M.Tech
2019	2	B.Tech	Mechanical Engineering	IIT,DELHI	M.Tech
2019	1	B.Tech	Mechanical Engineering	NIT,ROURKELA	M.Tech
2019	1	B.Tech	Mechanical Engineering	MAULANA AZAD NIT, BHOPAL	M.Tech
2019	1	B.Tech	Mechanical Engineering	MNIT ALLAHABAD	M.Tech
2019	1	B.Tech	Mechanical Engineering	ASTRAL INSTITUTE OF TECHN. INDORE	M.Tech
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year  
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
TOFEL	1
GATE	63
CAT	3
GRE	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
1. Independence Day Cultural Program 2. Republic Day Celebration 3. Erudition - The Quiz 4. Lets face on	Institute Level	150
1. Purulia Chhau 2. Kathak Dane 3. Charandas Chor	Institute Level	25
1. Kisse Kahaniya 2. Eak khwab Adhoora Sa 3. Bheed ke Bashinde 4. Oo Re Womaniya 5. Mime Act for All India Cancer Society	Institute Level	250
Long Jump	Institute Level	48

Cricket Match	Institute Level	25
Badminton Match	Institute Level	12
Lakshaya	Inter College Sports	435
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### 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Zonal level Arts Cultural Fest/ Silver (Solo Dance)	National	0	1	2016BEN1075	Anjali Sharma
2018	Zonal level Arts & Cultural Fest/ Silver (Band Performance)	National	0	1	2014BCS1090 2015BEC1044 2015BCE1001 2015BCS1046 2015BCS1001	Apoorv Saran Sarthak Jain Shivam Mani Tripathi Gaurav Pandey Jay Singh
2018	Silver	National	1	0	2018BCE1066 2018BIT1170 2018BIT1162	Jainendra Singh Yadav Kartik Sahai Vidhi Mittal
2018	Bronze	National	2	0	2018BCS1165 2018BEC1142 2018BIT1162 2018BEN1017	Anshika Singhal Anushka Yadav Vidhi Mittal Yashi
2018	First Position	National	3	0	2018BEC1130 2 2018BCI1017 3. 2018BEC1142 2018BIT116 2018BEN1009	Ritu Rani Utkarsh Pratap Anushka Yadav Vidhi Mittal Utkarsh Singh
2018	Second Position	National	6	0	2018BIT1162 2018BEC1142 2018BI	Vidhi Mittal Anushka

					T1134 2018 BIT1162 20 18BEN1009 2018BIT116 2	Yadav Shailendra Kumar Vidhi Mittal Utkarsh Singh Vidhi Mittal
2018	Third Position	National	4	0	1. 2018BIT 1162 2. 20 18BEC1142 3. 2018BIT 1134 4. 20 18BIT1162 5. 2018BEN 1009 6. 20 18BIT1162	Utkarsh Pratap Utkarsh Singh Vidhi Mittal Anushka Yadav

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students Affairs Committee (SAC) is a highlevel committee with active participation of well represented student body. The committee discuss all issues raised by the student / Faculty members and make appropriate recommendation to the appropriate authorities. The committee meets as often as necessary as but not less than twice in each semester. The functions of Students Affairs Committee is to provide a forum, where student can discuss their concerns SAC is an empowered committee which can take appropriate decisions or recommend the actions to the management for support and action.

The purpose of the Students Affairs Committee is to act as a channel of communication and dialogue between the college management and the students. The committee's main objectives is to aid an establishing a bridge the student and academic fraternity and the institute management. The Student affair committee (SAC) is to be appointed by Director of the Institution. Student Affair Committee consists of student representatives, faculty members and representatives from each department who are responsible for the proper functioning of the institution. Constitution Functions i. The committee shall consist of the following members: • A senior professor to be nominated by the Director as chairman. • One Faculty representative from each department. • Students from each course year are nominated by the Department. • Few students from the outgoing SAC. • Representatives from Admin office, Registrar, In charge (Hostel affairs), Librarian, CCPD, Computer Admin Department. • Member Secretary. ii. In addition to the composition specified in (i) above, the chairman, SAC may make additional nominations to the committee. iii. The committee shell meets as often as necessary, but not less than twice in each semester. iv. The duties and the functions of the committee shell be as under -

- Smooth functioning of the institute by healthy participation from all the stake holders of the Institute
- To address issues and concerns, as raised by the students, faculty or any representative of the committee by making appropriate recommendation to the appropriate authorizes. Responsibility of Member secretary
- To help in the formation SAC
- Call for meeting and fixing up agenda for the meeting
- Meeting minutes shall be recorded and circulated to all members for consideration. In the next meeting, the minutes shall be confirmed by the members.
- Maintaining the status of updates on the action recommended in the minutes.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

ABESEC Alumni Association (AAA) 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. All students, on passing out, become members of the alumni association. There are 9737 members in the association as of now (2017/18). The association is registered with the Registrar of Societies, Meerut with specified organization and byelaws. For efficient functioning of the association, the General Body meets annually and elects an Executive Council. On this Occasion, College organizes its yearly 'Alumni Meet - cum - Decadal Celebrations' to organize a get together in general felicitate its alumni who graduated 10 years ago. AAA has a portal 'Alma Connect' (<https://abes.almaconnect.com/>) to connect alumni with students faculty. The Alumni regularly visit the College and their interaction with current students is organized by academic departments and AAA together. The Executive Committee consists of seven office bearers and up to 20 members. The executive council meets at least once in two months to transact the normal business of the association. Additionally, there are 2 nominated faculty coordinators from each department to enhance the interaction of the students faculty with the alumni on the subject of mutual interest and to develop a strong bond among them.

5.4.2 – No. of enrolled Alumni:

1191

5.4.3 – Alumni contribution during the year (in Rupees) :

1191000

5.4.4 – Meetings/activities organized by Alumni Association :

• AAA || ExeCom Meeting || 14th July 2018 • AAA || ExeCom Meeting || 28h July 2018 • AAA || InCampus Meeting || 21st August 2018 • AAA || ExeCom Meeting || 16th September 2018 • AAA || InCampus Meeting || 14th November 2018 • AAA || ExeCom Meeting || 22nd December 2018 • AAA || ExeCom Meeting || 12th Jan 2019 • AAA || ExeCom Meeting || 6th February 2019 • AAA || Annual General Meeting || 9th February 2019 • AAA || InCampus Meeting || 28th march 2019 • AAA || ExeCom Meeting || 30th March 2019 • AAA || InCampus Meeting || 26th April 2019 • AAA || ExeCom Meeting || 11th May 2019 • AAA || InCampus Meeting || 8th June 2019 • AAA || InCampus Meeting || 19th July 2019 • AAA new Initiative: Alumni mentor to our current students • ABES EC inaugurated AAA local Chapter @ Bengaluru • 2nd October 2018 Swachh Evam Shikshit Bharat Programme in association with HUHC

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The College has a decentralised administrative structure, whereby considerable autonomy is given to the individual departments and department Heads. • The Board of Governors (BoG) is the supreme Governing body and delegates functional authority to the Director, Head of Departments (Academic as well as Non Academic) and various committees. Decentralisation at Departmental Level • Academic Planning, implementation and monitoring are decenrtralised. • Various Committees comprising Faculty members have been formed and tasks delegated. Some of these committees are IQAC, NSS, Internal Complaints Committee, Students Affairs Committee, Publications, Grievance Redressal Cell, Alumni, Entrepreneurship Cell, Anti ragging Committee etc. • The Functional and

operational planning and implementation at the college level is carried out by the Director , in coordination with HoDs. • The department level planning is carried out and implemented by HoDs in consultation with Faculty members. • The HoDs prepare Departmental Budgets and Future plans of actions for their respective departments in consultation with faculty members. Inputs are also taken from students and other stake holders wherever required. • The Departmental Budgets and Future plans are then presented by the HoDs to the BoG for approval. After approval the HoDs initiate procurement/expenditure activities based on the approvals. • Departmental meetings are held regularly and inputs are taken from faculty members regarding the teaching learning process and changes are initiated in consultation with all faculty members and HoD, wherever required. • Cocurricular and extracurricular activities related to the working of the departments are assigned to faculty members by HoD. • Faculty members are required to prepare SOPs (Standard Operating Procedures) for the curricular and extracurricular tasks assigned to them, which are then approved by the HoD. • Seminars, workshops, Conferences, Guest Lectures, FDPs etc are also organised on the suggestions given by Faculty members and HoDs. • Monitoring of day to day working of the departments is done by HoDs. • Accountability for academic and non academic activities of the departments rests with the HoD. Decentralised Recruitment process • The Recruitment and Selection Processes in the College are decentralised and carried out independently by the HR department. • Various departments convey their manpower requirements to the HR department, mentioning the positions and required qualifications. • The HR department independently identifies the suitable candidates for recruitment through newspaper advertisements, websites, consultants etc. • The HR department then invites panels of experts and conducts the interviews. • Selected candidates are invited to join the organization and HR department completes all the joining formalities i.e. verifying of credentials etc. • The hired candidates are then transferred to their respective departments.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	<ul style="list-style-type: none"> <li>• There is a wellorchestrated process to ensure curriculum development. It involves determining goals and identifying Gaps in Teaching Learning Process and initiating corrective action, if needed. • The objective can be achieved by identifying the changes that are required in the curriculum, keeping in mind the requirements of potential employers and also to identify the areas where improvement is required. • The gaps are identified by collecting feedback from various stakeholders including potential employers. • This information is then used to convey the changes required in the curriculum to the Board of Studies of the affiliating university to incorporate the same in the curriculum. Three faculty members of the College</li> </ul>

are part of the Board of studies of the affiliating university. • Meanwhile any new concepts which are not incorporated in the syllabi, are conveyed to the faculty members to be incorporated in their teaching as topics beyond the syllabus.

Teaching and Learning

• Our delivery System is robust and we are engaged in Classroom teaching (as per the slots allotted to each subject in the Time Table) through tools which include power point presentations, videos, chalk and talk method and flipped classroom technique etc. • Some subject specific resources like case studies are undertaken and presentations by students are also done wherever it is considered necessary. • To facilitate the teaching learning process Google classrooms, quizzes, assignments, group discussions, class tests, AT series are conducted at regular intervals during the semester. This is a continuous practice which is meticulously followed to identify academic needs of the students. • Seminars, conferences, Guest Lectures, Visiting Lectures etc. are also organized on contemporary topics from time to time. • Several experiential learning exercises which have been designed which are used for imparting practical knowledge to students of MBA programme are as follows: o Case Studies: Empirical case studies based on contemporary issues and relevant to every subject are identified and discussed. o Workshops: Workshops are organised to impart specific skills to students. o Live Projects: Students are assigned to undertake live projects in companies like IMRB, Sony etc.

Examination and Evaluation

• Right at the beginning of the academic session, the basic eligibility for evaluation process is made known to students at the time of orientation of the students and given in a written form with the syllabus and student manual. • The College notifies the evaluation process and information related to internal examination is put on the notice board. This includes date sheet of the examination and schedule of internal as well as university evaluation. • Evaluation of the students' performance is done through Class Tests, Assignments, Sessional



Tests and Pre University Examination. •

Continuous assessment reports are shared with students and their parents.

• Staff meetings are conducted periodically to review the evaluation process. • In continuation to understand the applications of theory subjects, practical sessions are held in both, the odd and even semesters. •

End Semester Examinations are conducted by the affiliating University at a test centre outside the College. Examination

Pattern: The College follows the Examination pattern prescribed by the affiliating university, which comprises a combination of Sessional and External assessment. The marks and credits for sessional and external examinations are prescribed in the Syllabi of the affiliating university and the college follows the same. For Theory Courses: •

College conducts Sessional Test 1 and Sessional Test 2 of 30 marks of 1.5 hours for each subject. Syllabus for ST1 consists of first 2 Units covering 40 of Syllabus. ST2 includes next 2 Units (40 of Syllabus). The

PreUniversity Exam (PUE) is conducted after complete coverage of syllabus of three hours duration (100). • Teachers

Assessment includes assignments, quizzes, mini projects, seminars/presentations For Practical Courses: Each experiment in lab is evaluated on following parameters: • Prelab work (5 Marks) • Experiment execution (10 Marks) • Viva (5 marks) •

On time submission (5 Marks) For Project Evaluation Evaluation phases (with regular presentations per semester) includes: • Problem Identification • Literature Review • Problem Implementation • Project Management • Professional and Social Responsibilities • Presentation Skills

• Documentation The College has designed rubrics to evaluate the students' performance in Projects, Industrial Trainings and Seminars. The main purpose behind developing these Rubrics is to cover all the aspects of evaluation objectively and uniformly.

Rubrics are instrumental in quality enhancement. Each department shares these Rubrics with all the students in advance so that the students prepare themselves accordingly.

Research and Development

• The College has a well defined



process to monitor and address the issues of research. This is done for creating a research culture among faculty members and students and motivating them to undertake minor and major research projects from Industry and various funding agencies. • There is an increase in the research publications by the faculty members. • Monetary incentives are offered to faculty members for publishing quality papers in National and International journals of repute, including SCOPUS and SCI indexed journals. • Financial support is also offered for carrying out projects. • BITS (Building Industrial Technical Solutions) : It is an industry connect program which is a unique initiative of the College to take learning beyond academic boundaries and help students connect with the industrial world in the areas of Electronics Design, Electromechanical Design, Industrial Automation, Android Solutions and Software Development. • Center for Applied Research and Entrepreneurship (CARE) has been playing a pivotal role to bridge the gap between classroom teachings and their applications. One of the major pursuits of the Center is to engage industry in the capacity of solution consultants. In this capacity the Center has designed and delivered industry grade projects for the likes of Intex Ltd and LGF Sysmac. • Students have also published research papers and participated in international projects. • Faculty members have participated in International Seminars and conferences abroad. • Faculty members have also been nominated as Session Chair in International Conferences held in India and abroad.

Library, ICT and Physical Infrastructure / Instrumentation

• The College has a central library, which is well stocked with 1,09,025 volumes of books, 105 EBooks in addition to the latest 191 National International Journals. The library also provides access to 604 Online Journals via Elsevier (Science Direct), ACM Digital Library, Institute of Engineers Online Journals, NDL (National Digital Library) . Every department has its departmental library with reference books, journals and newspapers. • To support teaching learning, ABES EC has state of the art

Auditoriums/ Seminar rooms/ Conference rooms, classrooms, cafeterias, playgrounds as well as plenty of open space. • All Class rooms are equipped with LCD projectors, amplifier, sound system, white boards, WiFi, LAN network etc. • Laboratories are equipped with state of the art technical equipment, computers, hardware and necessary software. • The Centre of Excellence (CoE) collaborates with industry to know the latest trends in technologies and operates the following laboratories : ? Centre of Excellence for Structural Design and Analysis ? Cisco Networking Academy ? Texas Instruments Embedded System Lab ? Centre of Excellence for SMC India Pvt Ltd. ? Industrial Automation Research Training Centre (IARTC) ? Centre of Excellence - VLSI Design ? Center of Excellence for Big Data Analytics ? ABESNI Innovation Centre ? Centre of Excellence for Mobile Application Development ? Center for Enterprise Software Development

Human Resource Management

• The College has a well established HR system that is dedicated to building a culture in which employees feel challenged and rewarded. • The HR policies are transparent and employee friendly. • The HR policies ensure that the skills and abilities of employees are adequately rewarded. • A software based system is used for coordinating all HR related activities.

Industry Interaction / Collaboration

• The College has a Center for Career Planning Development (CCPD), to develop and work for a strong and long lasting IndustryAcademia Partnership. • CCPD has ensured that number of students placed through campus placement drives every year has been consistently increasing, as well as the average salary packages. • CCPD regularly interacts with the Industries and Coordinates different activities, viz. conducting Guest Lectures, Workshops, Symposia, Industrial Visits, Live Projects, Industrial Training, Internships, Seminars and Conferences, both at National and International level for the students and faculty members of B. Tech, MBA and MCA. • Guest Lectures by prominent representatives from the industry are conducted on a regular basis.

Admission of Students

• As per AICTE norms 15 of the allotted

seats are filled through Management Quota and 85 of the seats are filled through state entrance examination system UPSEE counselling and Vacant Seats. • For filling the seats under Management Quota and Vacant seats of UPSEE counselling applications are invited from students for direct admissions. • Candidates applying for admission under Management Quota and Vacant seats of UPSEE have to appear for a written aptitude test, followed by a personal interview. • Candidates applying for admission under Management Quota and Vacant seats are finally selected for admission based on their performance in the written test, academic record of qualifying examination and assessment in the Personal Interview.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
<p>Planning and Development</p>	<ul style="list-style-type: none"> <li>• The College has an online attendance management system i.e. "LSA".</li> <li>• Faculty members are required to update the attendance of students online on the day of their lectures on LSA and the students can login and view their attendance details on the same.</li> <li>• The College also uses a software "IonCUDOS" for planning, development and monitoring of academic activities.</li> <li>• Faculty members update all relevant academic details including Programme Objectives, Course Objectives etc on IonCUDOS and the same is monitored by the department heads.</li> <li>• The College also uses a software i.e. "Turnitin" for checking plagiarism in research papers of students and faculty members. This ensures that ethical standards are followed in research.</li> </ul>
<p>Administration</p>	<ul style="list-style-type: none"> <li>• The College uses a portal "Greythr.com" for managing and coordinating HRM activities.</li> <li>• All HRM related details of faculty and staff members can be accessed through the portal e.g. applying for leave, status of leave, TDS, salary slips and other benefits.</li> <li>• The College also uses a portal "educgrievance.com" for managing grievances of students, faculty and staff members.</li> <li>• Students, faculty and staff members can apply in case of any grievance and the same is resolved by the concerned authority.</li> <li>• Periodic</li> </ul>

	reports of grievances are also used for monitoring purposes.
Finance and Accounts	<ul style="list-style-type: none"> <li>All financial transactions are being undertaken digitally.</li> <li>Monthly salary and other payments to employees are made digitally only.</li> </ul>
Student Admission and Support	<ul style="list-style-type: none"> <li>The College website offers an option for candidates applying for admission.</li> <li>The candidate creates a login and submits his/her academic and other credentials.</li> <li>On the basis of meeting the admission criterion the candidate is then asked to appear for a written aptitude test and personal interview.</li> </ul>
Examination	<ul style="list-style-type: none"> <li>The affiliating University i.e. Dr APJ AKTU has a students' section on its web portal.</li> <li>The students apply on the web portal for enrolment, filling of exam forms, payment of exam fee etc.</li> <li>The students can view their end semester exam results, download examination admit cards and apply for their degrees through the portal.</li> </ul>

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	NA	Professional Email and Application	14/01/2019	15/02/2019	0	5
2019	NA	Computation of Data in MS Office	13/03/2019	15/03/2019	0	5
2019	NA	Fundamentals of C programming	15/01/2019	17/01/2019	0	7

		,				
2019	FDP Mobile Phone Application Development ECommerce based Business Models	NA	12/02/2019	23/02/2019	3	0
2019	NA	STTP Development of Laboratory Instruction and Manual	04/02/2019	08/02/2019	0	23
2018	FDP on "Applications of MATLAB/ Lab VIEW in Engineering"	FDP on "Applications of MATLAB/ Lab VIEW in Engineering"	09/07/2018	13/07/2018	25	7
2019	FDP on "Power Electronics in Renewable Energy	FDP on "Power Electronics in Renewable Energy	08/07/2019	12/07/2019	38	7
2019	Organized Twoweek Shortterm training program on "Problem based learning "in association with NITTR Kolkata, centre at ABESEC	NA	20/05/2019	31/05/2019	23	0
2018	Indian Ethos and Indian Models of Economy, Business and Management	NA	02/11/2018	02/11/2018	27	0
2018	NA	A Staff Development Programme on advanced Excel	21/07/2018	21/07/2018	0	30

		techniques was organised by the department				
2019	STUDENT EVALUATION (Module III:IPD) (National)	NA	07/01/2019	11/01/2019	25	0
2019	?????????? ?? ??? ???????? ??? ?????? ???????? ?? ??????	?????????? ?? ??? ???????? ??? ?????? ???????? ?? ??????	26/06/2019	27/06/2019	41	1
2019	NA	Fundamenta l of Microsoft Office	17/04/2019	24/04/2019	0	35
2018	NITTRICT based "Life Skills Dev elopment" Course	NA	30/07/2018	03/08/2018	15	0
2018	Reconfigur able Manuf acturing Systems: Research Potential	NA	02/07/2018	08/07/2018	43	0
2019	FDP on Com putational Intelligen ce	NA	29/04/2019	03/05/2019	52	0
2018	Block Chain and Big Data	NA	04/12/2018	05/12/2018	40	0
2019	FDP on Outcome based pedagogic principles for effective teaching and learning	NA	22/04/2019	26/04/2019	40	0
2019	Faculty Staff Deve lopment Program on Circuit	Faculty Staff Deve lopment Program on Circuit	14/01/2019	18/01/2019	25	6

	Design using VLSI Design Tools	Design using VLSI Design Tools			
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
250	250	220	220

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Mediclaim policy for all employees, Group Insurance, Fee concession to wards of employee who take admission in ABESEC	Mediclaim policy for all employees, Group Insurance, Fee concession to wards of employee who take admission in ABESEC	Mediclaim policy, Benovalent Fund

**6.4 – Financial Management and Resource Mobilization**

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

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 from Qualified Internal Auditors and Statutory Auditors have been engaged and their team thoroughly check and verify of all the vouchers of the transactions that are carried out in each financial year to monitor and report all the financial statement. The accounts of the college are audited regularly by Statutory Auditor, half yearly and at the end of financial year to correct all required financial compliances. All the discrepancies noted and reported during audit are rectified / corrected and precautionary steps are taken to avoid recurrence of such errors in future. The institution has appointed as external auditor as under: Mr. Sanjeev Agarwal, Chartered Accountant (Member Ship no. 072907) of M/s. Sanjeev Anand Associates, Ghaziabad (firm Regn. No. 007171C). The institution has appointed as internal auditor as under: Mr. Anil Agarwal, Chartered Accountant (Member Ship no.086952)of M/s Anil K. Associates (firm Regn. No. 004932C)has carried out Internal Audit of college.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

14912000

**6.5 – Internal Quality Assurance System**

## 6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NBA, ISO	Yes	IQAC
Administrative	Yes	NBA, ISO	Yes	IQAC

## 6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

• Parents Teachers meetings are held as per requirement the semester. • Parent's feedback is collected on various aspects of academic processes. • Parents are made representatives in various committees like Programme Advisory Committee etc. • The faculty coordinators and other faculty members remain in touch with the parents. Whenever there is a disciplinary problem/poor performance in the class/examinations, the parents are contacted to inform and counsel the students. Parents are invited on Convocation day and in award function of their ward. Parents are also invited in the orientation program of new joining students • Parents are kept in loop for overall development of the students.

## 6.5.3 – Development programmes for support staff (at least three)

Training on Fire Safety Training in MS Office Basic English Communication Technical Staff development programme

## 6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Enhancement of industry involvement in the academic process in terms of internship, guest lectures from industry, industrial visits, live projects etc.  
2. Establishment of Centre of Excellences in new technologies areas  
3. Establishing separate cell called BITS i.e. building Industrial Technical Solutions for encouraging consultancy work  
4. Special Classes for competitive examinations  
5. Strengthening of Outcome based learning Process  
6. Establishing Research and Development Culture  
7. Green/Ecofriendly Campus  
8. Focus on Soft skill development to enhance personality of students and employability

## 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

## 6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	ICT based STTP on Problem based learning	20/05/2019	20/05/2019	31/05/2019	22
2019	FDP on Outcome based	22/04/2019	22/04/2019	26/09/2019	40



	pedagogic principles for effective teaching and learning				
2018	Training programme/IonCUDOS Software based Implementation of OBE	29/08/2018	29/08/2018	31/08/2018	60
2018	Web session/ Software (IonCUDOS) based implementation of OBE structure	25/08/2018	25/08/2018	25/08/2018	60
2018	Implementation of Rubrics	23/07/2018	23/07/2018	23/07/2018	50
2018	Staff Development Programme on advanced Excel techniques	21/07/2018	21/07/2018	21/07/2018	30

## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
A talk on "Solution Through Internal Complaint Committee (ICC)"	04/04/2019	04/04/2019	6	20
A talk on "Solution Through Internal Complaint Committee (ICC)"	30/03/2019	30/03/2019	2	14
A talk on "Solution Through	01/02/2019	01/02/2019	52	261



2019	0	1	25/01/2019	1	Cancer Awareness Program	A talk at ABES Engineering College in collaboration with Cancer Heart Care Association	62
2019	0	1	10/03/2019	1	Rally for Cancer Awareness program	A rally on cancer awareness was held at JKG public school, Nandgram in association with Cancer Heart Care Association. In this rally around 6 schools and 10 colleges participated.	45
2018	0	1	15/08/2018	1	Cloth Donation Drive (NSS Club/HUHC)	Clothes collection from students and faculty members and Donation to poor people	115
2018	0	1	17/08/2018	1	Blood Donation Camp	Blood donation camp organised in association with Rotary club. Faculty and Students	350

						donated the blood so that can be used for needy person.	
2018	0	1	01/09/2018	15	Swachhta Pakhwada	As per the AICTE directive s, ABESEC celebrated SWACCHATA PAKHWADA during September 1st to 15th 2018. This was to support c leanlines s and for spreading the message of cleanl iness among students and surro undings.	450
2018	0	1	01/09/2018	1	Clean Campus day	The clean liness drive was conducted at ABES college campus	55
2018	0	1	06/09/2018	1	Cleaning Surroundi ng Day	The roads leading towards ABESEC and Crossing Republic area were cleaned by students through faculty mentors.	69
2018	0	1	08/09/2018	1	Cleaning	The roads	45

			8		Surrounding Day	leading towards ABESEC and Crossing Republic area were cleaned by students through faculty mentors. The event was organised in association with Light de Literacy NGO.	
2018	0	1	02/10/2018	1	Gandhi Jayanti	ABES Alumni Association and HUHC conducted a program at Primary School, Chipyana Village, Ghaziabad .	110

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Student Resource Book 201819	02/07/2018	The student resource book is to guide the students on rules and regulations of ABESEC and helps them to navigate their journey at ABESEC. During their stay at ABESEC, we like to ensure clarity and transparency in our communication with them and hence the student resource book contains the vital information about code of conduct that students would need to know. It also contains the college specific details for their effective and smooth

interaction with the college and various facilities provided in the institution. The SRB is disseminated among first year students during their orientation program in the beginning of 1st semester. The SRB is designed, modified and updated every year by taking feedbacks from student's community, parents, faculty members, Heads of various departments, Representatives from the management as well as various other stake holders.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
7.1.7 Initiatives taken by the institution to make the campus ecofriendly (at least five)	21/05/2019	28/05/2019	35
Universal Human Values and Professional Ethics Induction Program for CSE 2nd Year Students (Students)	21/05/2019	28/05/2019	33
Universal Human Values and Professional Ethics Level 1 Workshop (Students)	24/08/2019	26/08/2019	134
Universal Human Values and Professional Ethics Level 1 Workshop (Students)	13/06/2019	20/06/2019	8
Universal Human Values and Professional Ethics Level 1 Workshop (Students)	08/07/2019	15/07/2019	9
Universal Human Values and Professional Ethics Level 1 Workshop (Students)	18/01/2019	20/01/2019	120

Universal Human Values and Professional Ethics Level 1 Workshop (Students)	01/02/2018	03/02/2018	120
Universal Human Values and Professional Ethics Level 1 (Faculty Development Program)	08/02/2018	10/02/2018	240
Universal Human Values and Professional Ethics Level 1 (Faculty Development Program)	23/06/2018	30/06/2018	81
Universal Human Values and Professional Ethics Level 1 (Faculty Development Program)	01/05/2018	08/05/2018	23
Universal Human Values and Professional Ethics Level 1 (Faculty Development Program)	03/12/2018	10/12/2018	20
Universal Human Values and Professional Ethics Level 1 (Faculty Development Program)	07/01/2019	14/01/2019	47

**7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)**

- Awareness programmes, camps, rallies etc are organized under NSS schemes.
- Internal communication, mainly paperless or through usage of one sided sheets.
- Awareness was created towards avoiding wastage of water and electricity.
- Use of LED bulbs: All lighting load is by the LEDs.
- Use of solar energy: A 500 KW Solar system has been installed.
- Rain water harvesting: 7 rain harvesting tanks have been placed at various locations.
- Green landscaping: 14.6 of total area of 63893 sq. m is green (Trees Plants).
- Paperless office: Most communications are on email. Further onesided paper is used where printing necessary.
- Plastic free campus: Food vendors use paper bags only.
- Waste management: Two types of dust bins have been placed in the campus. One is for waste material which is recycled.

**7.2 – Best Practices**

**7.2.1 – Describe at least two institutional best practices**

1. College has developed "Centre for Building Skills Employability (CBSE)". Various trainings, skill building courses and students' development programs are conducted through CBSE to upgrade the students of different steams with new trends and cutting edge technologies. CBSE is there to create a healthy

environment by engaging Industry and Academia resources combined in skill building programs. A gap between training and placements is usually observed in academics and to combat this gap, skill building programs are designed with industries. This approach has ensured better interaction between industry and academia, enhancing relevant skills and also innovative thinking amongst the students. CBSE is working on Industry Institute Interaction and preparing manpower of world class in the field of science and technology by inculcating various skills required by the industry. CBSE allows the students to peep into the real world before entering into it and making the transition smooth from academics to organizations for students. 2. College has also established a centre "Building Industrial Technical Solution (BITS)", which is an attempt towards creating optimized technical solutions for industry and at the same time answering the question - How do we get engineers industry ready? Over the last decade, it has clearly been established that engineering education in its current form is able to contribute to development of an engineer to only a limited extend. We are able to develop the conceptual knowledge to an extent, but are lagging hugely in terms of application of the knowledge to solve real problems of life. This is a dilemma, as engineers are expected to solve problems and we are producing engineers who are not able to do this exactly. At BITS we address this challenge through creating an atmosphere wherein institute integrate with industry, understand the issues faced by industry and then come back and work with teams of experts, faculty and engineering students. While the destination of this journey is an optimized cost effective and engineering based solution, the real strength of the initiative lies in the journey itself. The toiling, failures and risingagain cycles, the team building and friction resolution efforts and then the ultimate success. This grind induces in an engineer an attitude of patience, endurance and hardwork and at the same time will help him become a team player with practical skills and ability to apply knowledge. All this will remain his assets for a life time.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.abes.ac.in/best-practices/>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

PERSONAL AND PROFESSIONAL GROWTH OF STUDENT OF UG STUDENTS ABESEC is committed to produce worldclass competent and dedicated technical and managerial human resource embedded in traditional Indian values and positive attitude. To achieve such high values to be inculcated in our system, we provide technical education in terms of paid internship, various technical training, industrial consultancy and great placement over the years. Industry Connect Program is a unique initiative of the institute that takes learning beyond academic boundaries into the domain of industrial world, in a step by step manner. The various steps involved in the process are depicted below: Work on innovation and challenges through CARE and BITS: Centre for Applied Research and Entrepreneurship (CARE) has been playing a pivotal role to bridge the gap between classroom teachings (which is mostly theory oriented) and their applications. In the past few years student teams have been trained and sent to various national and international competitions. This pursuit has yielded good results like securing 11 global rank in UAV Challenge - Medical Express and successive good results in Electric Solar Vehicle Challenge and Efficycle. Building Industrial Technical Solution (BITS) is an attempt towards creating optimized technical solutions for industry and at the same time answering the question - How do we get engineers industry ready? We get various consultancy/ Industrial projects through BITS on which students are also engaged in



collaborative learning. In this capacity the centre has designed and delivered industry grade projects for the likes of Intex Ltd, LGF Sysmac and many more. CBSE - Training and Centre of Excellence: A gap between training and placements is usually observed in academics and to combat this gap, skill building programs are designed with industries. This approach has ensured better interaction between industry and academia, enhancing relevant skills and also innovative thinking amongst the students. CBSE allows the students to peep into the real world before entering into it and making the transition smooth from academics to organizations for students. Various innovation centres in association with leading industries of repute like National Instruments, SMC corporation, Texas Instruments, Cisco Networking Academy and various other centres of excellence have been set up for training and skill building purpose. Centre of Career Planning and Development (CCPD) always act as a primary driver for students' overall career development through career counselling/guidance and best possible support in terms of placement in renowned companies. More than 250 companies across industries visit ABESec campus every year. ABESec organises pool campus recruitment process towards commitment for our social responsibilities. CCPD also organise stipend based internships and career counselling sessions on regular basis with the help of inhouse trainers as well as with the help of external agencies/professionals. Since the time belongs to Entrepreneurs, we encourage students to pursue their entrepreneurial inclination through our highly successful ABESec Startup Lab (ASL) initiative. It is an initiative to expedite the culture of entrepreneurship amongst the students and faculty members of ABESec through various programmes and activities.

Provide the weblink of the institution

<https://www.abes.ac.in/>

### **8.Future Plans of Actions for Next Academic Year**

Next year, the focus will be on the following plans:

- To apply the NBA compliance of Electrical Engineering and Information technology Departments for getting the reaccreditation for another three years
- Apply for NIRF Ranking
- ISO audit by external auditor / consultant
- To effectively monitor the various academic processes by conducting academic and administrative audits of the departments and other units of the College.
- To achieve better academic performance of the students in terms of pass percentage and
- Gross Average Intellectual Attainment (GAIA) per student as compared with previous.
- To increase the number of faculty having PhD qualification
- Focused approach for increased number of placements on higher packages.
- Technical concept boosting classes for students opting for higher studies through GATE and similar examinations
- Proper implementation of OBE and extended use of IonCUDOS software for outcome attainments.
- Promote Research and Development Culture in the institution by (i) Applying for research projects for funding from DST/CSTUP/CSIR and other Government and non Government agencies (ii) Publication of quality research papers in various National and international Journals of repute (iii) Organizing International Conferences
- Industry Institute Interaction through various industrial trips, internships, guest lectures by industry experts, faculty trainings through Industry personals, MoUs and consultancy.
- Increased focus on extension activities
- To conduct entrepreneurship awareness camp and workshops.
- Development of faculty and staff by organizing various FDPs, Workshops and Seminars. Encouraging faculty and staff members to attend faculty development programs and short term training programs organized by other reputed Institutions. Encouraging faculty members to get the online certifications.
- Development of econtent at National platform.