Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**ABES ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr. Shailesh Tiwari**
Designation	**Director**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**01207135112**
Mobile no.	**9643001069**
Registered Email	**info@abes.ac.in**
Alternate Email	**director@abes.ac.in**
Address	**Campus 1, 19th KM Stone, NH-09, Delhi-Hapur bypass Road**
City/Town	**Ghaziabad**
State/UT	**Uttar pradesh**
Pincode	**201009**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. Hemant Ahuja**
Phone no/Alternate Phone no.	**01207135139**
Mobile no.	**9899008275**
Registered Email	**iqac@abes.ac.in**
Alternate Email	**hoden@abes.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.abes.ac.in/about-us/naac/

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.abes.ac.in/about-us/notices-circulars/

5. Accrediation Details

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

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**01-Sep-2014**

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
No Data Entered/Not Applicable!!!		
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8. Provide the list of funds 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
No Data Entered/Not Applicable!!!				
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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)

• **The Department of Electrical Electronics Engineering and the Department of Information Technology got reaccredited by NBA till June 2021 • Got NIRF Ranking in the band 201250 • Improvements in the results and students placements in all branches. Significant improvement in government funded projects, patents and research papers over last year • Got 5175 rank (Band C) under private or self financed college category in National Innovation Ranking for Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2020 released by MHRD, GoI, India • Institute Innovation Council at ABESEC received 4.5 star rating for calendar year 201920 released by MHRD, GoI**

No Files Uploaded !!!

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
undefined	**undefined**
View File	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Board of Governors, ABESEC	22-Sep-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No

16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	2020

Date of Submission	31-Mar-2020

17. Does the Institution have Management Information System ?	Yes

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	To minimize the manual efforts and create a transparent system, the following systems are used in academic planning and development: • ERP system called "SIM" for planning and monitoring attendance and academic activities. • Moodles "Abhigyan" and an LMS "OLYMPUS" for planning and development of academic activities like online classes, tests, assignments etc. • "Ioncudos" for implementing the outcome based education. All relevant academic details including Programme Objectives, Course Objectives, Sessional tests, Assignments etc. are uploaded and analyzed on IonCUDOS to ensure the attainment of Program outcomes. • Admin support and IT support portal are used for raising complaints regarding infrastructure and nonfunctioning of IT facilities of the College respectively. A ticket is issued to the complainant and monitored till the issue is resolved. • Human Resource Management related details of faculty and staff members are maintained and are accessible on the portal "Greythr.com". The personal details, professional qualification are maintained in the portal. Attendance records, status of leaves granted and availed, TDS, salary slips and details of all the benefits and policies for

the employees are maintained on the portal. The employees can access the portal to view attendance, leave and salary related queries. The system is also used for the process of applying for leave. • Grievance handling: For the redressal of the grievances among students or employees, the college has a grievance portal "edugrievance.com". Students, faculty and staff members can apply in case of any grievance and the same is resolved by the concerned authority. Periodic reports of grievances are also used for monitoring purposes. • "ERP Tally" is used for carrying out and monitoring all financial processes viz. transactions, payment of bills, all receipts and payments, allocations of funds, Budgets, preparing Profit and loss statements and Balance Sheets etc. • ERP admissions module which captures all the relevant information about the students seeking direct admission in college. • The college is affiliated to Dr, APJ Abdul Kalam Technical University. On the web portal of the university there is a students' section. Each student has a login id and password. The students are required to fill examination forms and pay examination fee online through this portal. The students can download their admit cards directly through web portal. End semester examination results can be seen and downloaded from this portal and students have to apply for their provisional final degrees, migration certificates through the portal. The sessional marks for theory and practical subjects are compiled and uploaded by respective faculty members through their individual login ids, on the ERP portal of the affiliating university. For evaluation of the end semester answer scripts, the answer scripts are scanned and uploaded for evaluation. Faculty members can login to the designated portal and evaluate the answer scripts.

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

While revision and up-gradation of the syllabus is done at the University level, the college has a mechanism for effective, documented curriculum delivery. The college has well developed academic procedures as needed to provide the outcome based education. These academic procedures are religiously followed and regularly audited by IQAC to ensure effective delivery of the curriculum and the documentation process. The semester commences with the preparation of academic calendar, in line with the University academic calendar, consisting of all information and dates regarding commencement of classes, last teaching day, working and non-working days, schedule of examinations and major events at the institute level to be held during the semester. The faculty members are then allocated the teaching load in accordance with the evaluation scheme provided by the affiliating University, followed by the time table. The time table is adhered to, so that the curriculum is delivered within the stipulated time frame. The complete delivery of the course is documented in form of a course file that includes course outcomes, course plan, delivery schedule and methods, assessment tools, details of students along with the identification of weak and advanced learners, Evaluation results etc. Innovative methods of teaching involving project based learning, problem based learning and experiential learning are practiced to ensure well rounded development of students. Besides traditional lectures and seminars, infrastructure for the use of ICT in classrooms, like power point presentations, smart boards and audio-visual support are all available to make the delivery of the curriculum enabling and interesting for the students. Content beyond syllabus are also taught in order to make the curriculum delivery more holistic and effective. Tutorials are held with mentoring and participative learning encouraged. Internal assessment is done transparently with examined scripts shown to students. Inter-personal skills are enhanced through soft skills and Value Education. Extra hours are devoted to take remedial classes to ensure good preparation of students for University examinations. To bridge the gap between curriculum and Industry, Video lectures (from NPTEL etc), Guest Lectures by eminent personalities from different fields and Industrial Visits are planned. To further fill the gap, various short-term courses, Value added courses and Technical Trainings are conducted on prevailing/emerging technologies. Labs are updated and upgraded on a timely basis so as to maintain the pace of ever-changing practical aspects of engineering.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Finance (CM, DA,FTA,NISM, FPSS)	NA	24/07/2019	9	Employabilit Y	YES
HR (Rec, HAD, RWP, EHF, PLC, HCST)	NA	24/07/2019	9	Employabilit Y	YES
Training course on VLSI Design Technology	NA	18/05/2020	14	Employabilit Y	YES
Training course on Embedded Systems IoT	NA	18/05/2020	14	Employabilit Y	YES

Training course on Signal Processing using NI-LabVIEW	NA	18/05/2020	14	Employability	YES
Training course on Industrial Automation-PLCs Electro-pneumatics	NA	18/05/2020	14	Employability	YES
Training course on RF Microwave Devices	NA	18/05/2020	14	Employability	YES
Introduction to Analog Digital Electronics	NA	18/05/2020	14	Employability	YES
Java Programming	NA	31/07/2019	7	Employability	YES
Data Structure	NA	23/09/2019	6	Employability	YES
Python(Placement 2.O)	NA	13/01/2020	7	Employability	YES
Problem Solving	NA	23/01/2020	7	Employability	YES
Placement 2.0 (InfiTq Training)	NA	13/01/2020	15	Employability	YES
CISCO Certified Cyber Ops Associate - Summer Internship	NA	15/05/2020	15	Employability	YES
Distributed Application Development using Blockchain - Summer Internship	NA	15/05/2020	15	Employability	YES
Data Analysis Machine Learning -Summer Internship	NA	15/05/2020	15	Employability	YES
Full Stack Web Development	NA	15/05/2020	15	Employability	YES

- Summer Internship					
Hybrid Mobile Application using React Native - Summer Internship	NA	15/05/2020	15	Employabilit y	YES
Robotic Process Automation using UiPath - Summer Internship	NA	15/05/2020	15	Employabilit y	YES
A hands-on Approach to Software testing for QA QC	NA	15/05/2020	15	Employabilit y	YES
Front-end Web Development	NA	07/10/2019	3	Employabilit y	YES
Programming Essentials in Python	NA	27/09/2019	5	Employabilit y	YES
Python 3.0 Hands-On Approach	NA	12/08/2019	7	Employabilit y	YES
IOT Fundamen tals: Connecting Thing	NA	11/06/2019	12	Employabilit y	YES
Python Programming Essentials	NA	07/06/2019	5	Employabilit y	YES
Programming Essentials in Python	NA	19/09/2019	5	Employabilit y	YES
Introduction to IOT	NA	14/09/2019	4	Employabilit y	YES
Cyber Security Essential	NA	15/07/2019	5	Employabilit y	YES
IOT Fundamen tals: Big Data Analytics	NA	23/09/2019	14	Employabilit y	YES
IOT Fundamen tals: Connecting Thing	NA	08/09/2019	14	Employabilit y	YES

Blockchain Technology	NA	27/01/2020	4	Employabilit y	YES
Automation (PLC)	NA	20/01/2020	6	Employabilit y	YES
Labview	NA	20/01/2020	6	Employabilit y	YES
Automation (PLC)	NA	22/01/2020	6	Employabilit y	YES
Labview	NA	22/01/2020	6	Employabilit y	YES
Infitq Certi fication Training	NA	13/01/2020	8	Employabilit y	YES
Industrial A utomation(L1 L2)	NA	16/06/2020	20	Employabilit y	YES
Industrial A utomation(L2 L3)	NA	26/06/2019	20	Employabilit y	YES
Revit Architecture	NA	01/09/2019	7	Employabilit y	YES
Auto CAD Summer Intership	NA	21/05/2020	7	Employabilit y	YES
Auto Desk ce rtification	NA	22/02/2020	7	Employabilit y	YES
CSWA Certifi cation	NA	10/09/2019	7	Employabilit y	YES
CNC	NA	25/05/2020	10	Employabilit y	YES
Data Analysis using Python	NA	21/05/2020	10	Employabilit y	YES
Solid Works	NA	21/05/2020	7	Employabilit y	YES
CFD	NA	20/05/2020	10	Employabilit y	YES
ANSYS	NA	22/05/2020	5	Employabilit y	YES
Solving Mechanical Engineering Problem using Python	NA	21/05/2020	14	Employabilit y	YES
Advance Data Structure	NA	22/07/2019	6	Employabilit y	YES
Java Programming	NA	22/07/2019	7	Employabilit y	YES
Competitive	NA	13/01/2020	6	Employabilit y	YES

Coding Skill Building					Y	
Competitive Coding	NA	05/08/2019	7	Employabilit Y	YES	
Advanced Algorithms	NA	05/08/2019	5	Employabilit Y	YES	
Placement Readiness Program	NA	23/01/2020	5	Employabilit Y	YES	
Python Programming	NA	13/01/2020	5	Employabilit Y	YES	
Marketing (BA,SST,DM)	NA	24/07/2019	9	Employabilit Y	YES	

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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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 Science	15/07/2019

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

	Certificate	Diploma Course
Number of Students	3802	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
No Data Entered/Not Applicable !!!		
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
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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

The college has a well established system of collecting, analyzing and executing the suggestions and inferences drawn through the feedback analysis. The feedback is taken for various aspects and utilized for the improvements in curriculum, its delivery and the infrastructure. The various feedback/surveys collected may be grouped as (i) Feedback to find gaps in curriculum provided by the University: This feedback is collected through various stakeholders including Faculty, students, employers, alumni and the parents. The feedback is taken to essentially figure out the gaps prevailing between the needs of industry and the curriculum provided by the University. The feedback is collected once in every two years, through IQAC. The identified gaps are then either communicated to the affiliating University for necessary incorporation of the suggestions or the gaps are bridged through college by providing the add-on/value added programs and trainings. (ii) Feedback by the students regarding curriculum delivery: The feedback is taken through students regarding delivery of the course. The feedback is performed at the department level and the HoD ensures that the feedback is analysed and proper action is taken for improvements. Any communication with the faculty and students regarding this feedback is done through the HoD. (iii) Feedback and Surveys regarding Outcome based education: Mainly three surveys are performed at the department level to ensure proper implementation of the outcome based education – Program exit survey, course exit survey and the survey through other stakeholders. The graduating students are asked to participate in the exit survey to know their feedback on the program outcomes attainment. The course exit survey is performed at the level of the faculty members to ensure proper attainment of the course outcomes. A similar survey is also performed involving other stakeholders (alumni and employers) to know about their view on the abilities of the ABESEC pass out students. (iv) Student Satisfaction Survey: This survey is performed to assess the overall institutional performance. This survey is performed using a questionnaire having 23 questions. The feedback is collected and analysed through IQAC. The results of the survey are shared with the board of Governors to plan the necessary action for the improvements. The analysis is also uploaded on the college website. (v) Facility Feedback through students, faculty and the staff members: This feedback is taken to ascertain the infrastructural needs and its sufficiency. This feedback is performed once in an year and the findings are appropriately undertaken for the improvements in the infrastructure.

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
No Data Entered/Not Applicable !!!				
[View File](#)				

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	Number of students enrolled in the institution	Number of fulltime teachers available in the	Number of fulltime teachers available in the	Number of teachers teaching both UG

	(UG)	(PG)	institution teaching only UG courses	institution teaching only PG courses	and PG courses
2019	3951	412	207	30	9

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	Numberof smart classrooms	E-resources and techniques used
246	246	10	69	69	9
View File of ICT Tools and resources					
View File of E-resources and techniques used					

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

The process of Mentoring at ABESEC involves counselling and guidance of students for a bright career. Through the process, it is ensured that every student has a friend, a counsellor and a confidante within the college campus, in form of a mentor. A mentor is considered to be a knowledgeable and experienced guide, a trusted ally and advocate, and a caring role model. The practice is aimed at fostering a better rapport between the mentee students and the mentor at a personal level. The objectives of a Mentor are as follows: • To establish a positive, personal relationship with their mentee(s) • To assist mentees in accessing academic and university resources • To help their mentees to develop academic and life skills • To help in identifying career paths for mentees and support their personal growth. • To help students to identify and pursue opportunities for employment related to their specialization. Mentoring Process at ABESEC: • The academic departments assign mentors to all the students before the commencement of the session and maintain the mentee distribution sheet. • The ratio of mentor-mentee is approximately 1:20 as the institute follows the faculty-student ratio of 1:20 (as defined by the AICTE). • The mentees are assigned to various mentors based on the students' academic percentage or alphabetically. The distribution is such that every mentor is allotted a mix of low, medium and good performing students. • The mentees assigned in second year remains in mentorship of the same faculty member till a student completes the program of study. • The mentor only changes in case old mentor leaves the college. For other special cases, the department head makes necessary changes as deemed fit to the situation. • The mentors keep the records of their mentee, including their personal information, performance in academics, soft skill, and technical skill trainings, counselling records etc. Serving as a guide, facilitator, role model, and/or ally to the mentee, a mentor takes a range of roles and responsibilities. Overall, the role of a mentor is to help his / her mentees to develop their potential and capabilities so that they can earn a worthwhile engineering degree and leave the portals of the institute, probably with a good job in hand.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4363	246	1:17.7

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
208	246	0	21	0

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

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
No Data Entered/Not Applicable !!!				

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

The college believes firmly in continuous evaluation of the students for their sustained performance, hence, a structured evaluation process has been designed and implemented for all the academic activities as listed: • Theory Examinations: The College conducts internal examinations, centrally through exam cell. The question papers are set by the respective faculty members teaching the course, considering university pattern and referring to previous years university question papers. The difficulty level of the questions is kept as per the blooms taxonomy. The mapping of every question with course outcome is also prepared to check for the equal coverage of all course outcomes. For the fairness in evaluation process, step marking is done, solution of the question paper is shared with the students and answer scripts are shown to the students after evaluation. After evaluation of answer sheets, gap analysis is prepared to find the shortcomings/gaps and accordingly action is taken. • Practical Examinations: Internal assessment of the practical courses is done throughout the semester as per the University guidelines. The students' assessment is based on their active participation, lab results, report writing, attendance and the mid-term/end-term viva. • Seminar/Presentations/Industrial Training viva/Projects: For all such assessments, a panel of 3-6 faculty members is formed who assess the performance of the students. The students' performance is evaluated through rubrics that include the parameters like presentation, report writing, handbook in case of Industrial training, skill developed, communication etc. These rubrics aim to evaluate the students' performance objectively and uniformly and are shared with the students in advance for a better preparation.

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 to be prepared based on the University academic calendar and considering other academic and non-academic activities of the institute. The process followed is mentioned below: • Registrar requests all the departments to share the dates of events that are being planned at the institute level for the concerned semester. • Academic calendar is prepared consisting of all information and dates regarding commencement of classes and last teaching day, information about working and non-working days, holidays, schedule of internal and external examinations and major events at the institute level like annual cultural and technical fest and sports event, conferences etc. to be held during the semester. • Director convenes a meeting with all Head of the Departments, Vertical Heads, Functional Heads, Registrar, Head of central exam committee the management representatives. • Registrar of the college then disseminates college academic calendar among students, staff faculty members, and various internal stakeholders through email. The same is up loaded on college website as well.

Web link for session 2019-20 academic calendar: https://www.abes.ac.in/about-us/notices-circulars/ https://www.abes.ac.in/academics/academic-calendar-odd-sem-2020-21/ • Departments are bound to plan their activities as per the college academic calendar. The academic calendar is strictly adhered for all the activities including examinations.

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/

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
14	MCA	Master of Computer Applications	79	77	97.47
70	MBA	Master in Business Administration	102	94	92.16
40	BTech	Mechanical Engineering	169	161	95.27
13	BTech	Information Technology	124	121	97.58
21	BTech	Electrical & Electonics Engineering	98	92	93.88
31	BTech	Electronics & Communication Engineering	229	215	93.89
00	BTech	Civil Engineering	127	114	89.76
10	BTech	Computer Science Engineering	262	254	96.95
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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

View File

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
Writing and online submitting proposal for government funding Patent	Master of Computer Applications	30/09/2019
Entrepreneurship Awareness Camp (EAC)	Electronics Communication Engineering	02/03/2020
The Innovation Day:Session on IPR	Computer Science Engineering	06/08/2019
Intellectual Property Rights	Mechanical Engineering	07/05/2020
IP Outreach Program for Tech Startups at MeitY	Information Technology	20/03/2020
Industry- Alumni Academia Alliance- Webinar Series	Electrical Electronics Engineering	18/06/2020
Industry- Alumni Academia Alliance- Expert lecture/Talks	Electrical Electronics Engineering	30/06/2020
Smart India Hackathon	Information Technology	21/01/2020
Role Of Ponds And Wells For Ground Water Security – Learning	Civil Engineering	29/08/2020

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
Smart India Hackathon 2020	Ujjawal Sharma Richa Srivastava Ritika Malik	MHRD'S Innovation Cell(GOI)	03/08/2020	IC468
Edutech	Mr. Mahendra Kumar Gupta	IIM, Lucknow	08/12/2019	Best Project Award
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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
Incubation Centre	INURTURE INCUBATION FOUNDATION powered by ABESEC	MeitY, Govt. of India under TIDE 2.0 scheme Total Sanction: Rs. 1.70 Cr.	Hopper Engineering Energy Pvt. Ltd	Organic waste composter Machine	02/08/2019
Incubation	INURTURE INCUBATION	MeitY, Govt. of India	Happy Pot Garden Pvt.	Plant renting	05/09/2019

| | FOUNDATION powered by ABESEC | under TIDE 2.0 scheme Total Sanction: Rs. 1.70 Cr. | Ltd. | solution to house holds | |
| Incubation | INURTURE INCUBATION FOUNDATION powered by ABESEC | MeitY, Govt. of India under TIDE 2.0 scheme Total Sanction: Rs. 1.70 Cr. | Nimbleag Pvt. Ltd. | IoT AI based Hydroponic Farming system | 29/07/2020 |

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
46	**0**	**0**

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)
No Data Entered/Not Applicable !!!			

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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
Computer Engineering Information Technology	1
Master of Computer Application	0
Master of Business Administration	17
Information Technology	16
Department of Applied Science and Humanities	0
Mechanical Engineering	10
Computer Science Engineering	17
Electrical and Electronics Engineering	23
Civil Engineering	2
Electronics Communication Engineering	6
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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	Name of	Title of journal	Year of	Citation Index	Institutional	Number of

Paper	Author	publication		affiliation as mentioned in the publication	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	104	193	110	58
Presented papers	118	0	0	0
Resource persons	43	11	12	19
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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
No Data Entered/Not Applicable !!!			
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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
Unnat Bharat Abhiyan	Excellence Award	AKTU,Lucknow, UP	20
Distribute Stationery	Sushikshit Samaj	Danik Jagran	10
No file uploaded.			

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 activites	Number of students participated in such activites
Literacy Abhiyan	HUHC	Literacy Abhiyan	0	100

Swachh Bharat Abhiyaan	HUHC	Swachh Bharat Abhiyaan	0	150
No file uploaded.				

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
No Data Entered/Not Applicable !!!			
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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 linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
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
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
450	154

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

Laboratories	Newly Added
Class rooms	Newly Added
Campus Area	Existing

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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 patially)	Version	Year of automation
SIM(Software for Institutional Management)	Partially	54.2.2.2 Generation 5	2014

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			

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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 !!!			

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1870	32	0	2	1	2	1	400	0
Added	240	3	0	0	0	0	0	0	0
Total	2110	35	0	2	1	2	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
Centre for Effective Teaching and Learning (CETL), ABES Engineering College, ghaziabad	https://www.youtube.com/channel/UC2FRToMrgAHFEKkCIgZS2Uw

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 incurredon maintenance of physical facilites
220	210.11	675	670.71

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)

The college ensures optimal allocation, utilization, maintenance and upkeep of various facilities by following regular procedures and policies made for the purpose. Laboratory: Proper allocation and utilization of the labs is ensured by the respective departments. Records of maintenance is maintained by lab assistants, Lab In-charge and supervised by the respective head of the departments. The maintenance work of the labs include calibration, repairing and maintenance of sophisticated lab equipment's which is done by the lab assistants of the concerned department. To get the equipments repaired from the outside vendors, the requisition is raised through respective lab in charges, with the final approval from the head of the concerned department. Library: The college has a fully automated central library with over 100589 books. The requirement of books is taken from the concerned departments, duly approved by the respective HoD. Suggestion box is installed inside the reading room to take users feedback for introducing new ideas regarding library enrichment. For proper operation of the library, Library Advisory (LAC) Committee is formed involving the main stake holders of the college. The LAC provides suggestions/feedback about the facilities of library for improvement/addition and the access of each section of library. The issues being faced by the students are also resolved through LAC. Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are chalked out / resolved by the library staff with the due approval of the Librarian. The maintenance of the reading room and stock verification of library books is done regularly by library staff. Sports: - Regarding the utilization and maintenance of sports equipment the college sports in-charge is deputed however for proper upkeep of the sports facilities like badminton court, volley ball court, cricket ground, swimming pool etc, the administration office is responsible. Computers: College has a dedicated department for computer administration (CA) which is responsible for the procurement, issue and maintenance of computers/laptops and related hardware. The connectivity through Lan/wifi, PA systems, audio systems in classrooms etc. are all maintained by the CA department. For computer or connectivity related issues, the college has an IT portal, through which the faculty and staff generate the token id and get their problems resolved (url : http://itsupport.abes.ac.in). General Maintenance: The administrative office (AO) with a strong admin team takes care of the complete maintenance and upkeep of the college infrastructure. College has an admin support portal for handling all the maintenance related issues. In case of issues related to physical infrastructure, the respective departments raises the problem through this portal and get the token id generated for their problems (url : http://adminsupport.abes.ac.in). The administration office ensures the resolution to every token generated. Regular cleaning of water tanks, proper garbage disposal, pest control, landscaping and maintenance of lawns etc. is done by the admin office. College campus maintenance is monitored through regular inspections. Upkeep all facilities and cleanliness of environment in men's and women's hostel is maintained through Hostel monitoring committee.

http://adminsupport.abes.ac.in/

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	**(i) Concession in Fee under SEED Policy and (ii) Academic Scholarship**	**27**	**1278900**
Financial Support from Other Sources			
a) National	**(i) UP Govt. Scholarship (ii) PMs special scholarship scheme**	**816**	**49993273**
b)International	**0**	**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 implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
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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 passedin the comp. exam	Number of studentsp placed
No Data Entered/Not Applicable !!!					
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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
2	**2**	**15**

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	B. TECH	Electronics Communication Engineering	Delhi Technical University	M. TECH
2020	1	B. TECH	Computer Science Engineering	NIT Durgapur, West Bengal	M. TECH
2020	1	B. TECH	Computer Science Engineering	Delhi School of Economics	MBA
2020	2	B. TECH	Information Technology	Business Analytics in California state university	MS
2020	1	B. TECH	Information Technology	Delhi Technical University	M. TECH
2020	1	B. TECH	Information Technology	IIT Hyderabad	M. TECH
2020	1	B. TECH	Mechanical Engineering	IISC BANGLORE	PhD
2020	1	B. TECH	Mechanical Engineering	AMITY BUSINESS SCHOOL, AMITY UNIVERSITY NOIDA	MBA
2020	1	B. TECH	Mechanical Engineering	HOF UNIVERSITY OF APPLIED SCIENCES	MBA
2020	1	B. TECH	Electrical Electronics Engineering	Stevens Institute of Technology	ME
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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
GATE	32
CAT	4
GRE	2
Any Other	1
No file uploaded.	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Nukad Natak	Institute Level	18
Kaal Kothari	Institute Level	33
Tarang	Institute Level	12
Music Maniac	Institute Level	25
Manthan 2.0	Institute Level	38
Dr. Abdul Kalam Arts and Cultural Fest	Zonal Level	90
Genero Fest	Institute Level	1500
No file uploaded.		

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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
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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): The college has an active and dynamic student Affairs Committee (SAC) that involves a huge participation of well represented student body. The committee discuss all issues raised by the students and make appropriate recommendation to the appropriate authorities. The committee meets as often as necessary, but, not less than twice in each semester. SAC is an empowered committee which can take appropriate decisions or recommend the actions to the college authorities for support and action. The purpose of the Students Affairs Committee is to act as a channel of communication and dialogue between the college authorities and the students. The committee's main objective is to aid in establishing a bridge between the student and academic fraternity and the college authorities. SAC consists of student representatives, faculty members and representatives from each department who are responsible for the proper functioning of the college. The committee is constituted with the following members: • A senior professor nominated by the Director as chairman. • One Faculty representative from each department. • Students from each course year, nominated by the Department. • Few students from the outgoing SAC. • Representatives from Admin office, Registrar, In-charge (Hostel affairs), Librarian, CCPD, Computer Admin Department. In addition to the composition specified above, the chairman, SAC may make additional nominations to the committee. The duties and the functions of the committee include smooth functioning of the college involving healthy participation from all the stake holders and to address the issues/concerns raised by the students, faculty or any representative of the committee by making appropriate recommendation to the appropriate authorities. Students also have representations in various academic and administrative bodies/committees of the college as mentioned below: Library advisory committee (LAC) Internal Quality Assurance Cell (IQAC) Departmental Advisory Committee (DAC) Various Clubs (Cultural/Sports/Literary) Hostel Administration Centre of career Planning and Development (CCPD) Disciplinary Committee ABESEC Alumni

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 foster mutual benefits by promoting interaction between the Alumni, the present students of the college and between the Alumni themselves. All students, on passing out, become members of the alumni association. There are 12000 members in the association as of now (2019-20). The association is registered with the Registrar of Societies, Meerut with specified organization and bye-laws. For efficient functioning of the association, the General Body meets annually and elects an Executive Council. On this occasion, college organises 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 visits 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:

12040

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

1802500

5.4.4 – Meetings/activities organized by Alumni Association :

• AAA || ExeCom Meeting || 10th August 2019 • AAA || ExeCom Meeting || 10th September 2019 • AAA Alumni Day || 28th September 2019 • AAA || ExeCom Meeting || 30th Nov 2019 • AAA || AGM –cum- Decadal Celebration'19 || 25th Dec 2019 • AAA || ExeCom Meeting || 25th Jan 2020 • AAA || ExeCom Meeting || 29th Feb 2020 • AAA || ExeCom Meeting || 9th April 2020 • AAA || ExeCom Meeting || 30th May 2020 • AAA || Online Panel Discussion COVID-19, Its IMPACT TRANSFORMATIONS || 6th June 2020 • AAA || ExeCom Meeting || 5th July 2020 • AAA Webinar on Role of Homeopathy and Yoga in Curbing Corona Boosting Immunity || 18th July 2020

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 institution practices decentralization and participative management at various levels. The institution firmly believes that achievement of excellence is every stakeholder's responsibility and everyone in the institution at all levels has an equal opportunity to contribute towards improving the processes, leading to quality. The Institute believes in promoting a culture of delegation of powers through the involvement of stakeholders at all levels of an organization in the process of an analysis of problems, development of strategies, and implementation of solutions. Director of the college has been given functional authority by the Board of Governance to drive all the academic

and nonacademic activities by involving HoDs and the faculty members. Financial powers are delegated to the Head of the Departments. The Director heads the academic, administrative and other matter related to the students, faculty and staff. HoDs have functional autonomy to decide on the various departmental activities by implementing them with the involvement of the faculty members. They have been empowered to propose departmental budget, subject allocation, framing timetable, organizing seminars, national and international Conferences, FDPs and workshops, arranging Industrial visits etc. various Administrative and academic committees have been established like Internal Complaints Committee, Students Affairs Committee, Central research Committee, Grievance Redressal Cell, Alumni Association, Entrepreneurship Cell, Anti ragging Committee , Clubs, NSS, etc. The constitution of these committees have representation from Alumni/ students/faculty/director/ industry professionals in various capacity which reflects the core cultural features of decentralized and participative management. The Recruitment and Selection Processes in the College is also decentralized and carried out independently by the HR department involving AKTU experts and nominee in interviews. All departments convey their man power requirements, 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
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 the state entrance examination system (UPSEE counseling). UPSEE is a common State Entrance Exam for admission to various colleges in U.P., affiliated to Dr. A.P.J. AKTU. The candidates seeking admission have to apply for online counseling by filling in their choice of colleges and program of study. Seats are allotted to them finally based on their rank in the UPSEE exam. For filling the seats under Management Quota and Vacant seats of UPSEE counseling (Direct Admissions), applications are invited online from students. Candidates applying for admission have to appear for a written aptitude test, followed by a personal interview. Candidates are finally selected based on their performance in the written test, academic record of qualifying examination and assessment in the Personal Interview.

Industry Interaction / Collaboration	To encourage Industry interactions, the college has a unique strategy that takes learning beyond academic boundaries into the domain of industrial world. The college is aggressively working on the transfer of technology, patents, IPR and industry collaborations. The following units are formed in line with the strategy: 1. ORBITS (Optimised Research Based Industrial Technical Solutions) : ORBITS help the students to connect with the industrial world in the areas of Electronics Design, Electromechanical Design, Industrial Automation, Android Solutions and Software Development. 2. Data Ritz Technologies: It is an IT consulting initiative of the college to develop and design sustainable growth path for Industry, Startups, Research and Academia. 3. Center for Career Planning Development (CCPD): The center is developed to work for a strong Industry Academia Partnership and ensuring good placements of students through campus. Placement drives every year has been consistently increasing along with the average salary packages offered. 4. ABESEC Startup Lab (ASL): It is an initiative to expedite the culture of entrepreneurship amongst the students and faculty members of ABESEC through various programs and activities. In year 2019, ASL was upgraded into separate legal entity under section 8 of companies act 2013 i.e INurture Incubation Foundation.
Human Resource Management	The College has a well established HR department that manages human resource function of the College. HR department believes that quality can only be enhanced through proper recruitments and selection. Also, the college faculty and staff needs to be trained on recent technologies and rewarded appropriately for their contributions. The HR department follows a 360 degree appraisal system to encourage the holistic development of its faculty members. The department ensures proper compliance with employment and labour laws. HR Software "greytHR" has been installed on which employees can access all HR related information such as Leave records, payslips, HR policy documents etc. Managers can access all info about subordinates, have control

		on approvals, leave management, and even track time for jobs. The internal and external audit of the HR department is done on regular basis for ensuring quality in processes.
	Library, ICT and Physical Infrastructure / Instrumentation	The College has a strategy to develop and upgrade the infrastructure with the ever changing needs of education. The college has a central library, which is well stocked with books, e-Books in addition to the latest National International Journals. The library provides access to several Online Journals through consortia such as Elsevier (Science Direct), ACM Digital Library, Institute of Engineers Online Journals, NDL (National Digital Library). Library is automated with reference to the process of issuing/returning of books, accessing the database of books and periodicals etc. To support teaching learning, the college has state of the art classrooms, Auditorium, Seminar halls, and Conference rooms. All Class rooms are air conditioned and equipped with LCD projectors, sound system, white boards, WiFi, and LAN. Laboratories are equipped with state of the art technical equipment, computers, hardware and necessary software. The college has various centre of excellences where students gets the hands on experience to become industry ready.
	Research and Development	The college aims to encourage quality research in all the disciplines. The research policy of the institution is reviewed annually and published to all faculty members through HR portal. The revised policies are encouraging in terms of direction and quality of research, re-imbursement of expenses and support grants. 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. Monetary incentives are offered to faculty members for publishing quality papers in National and International journals of repute, including SCOPUS and SCI indexed journals.
	Examination and Evaluation	The process of examination and evaluation is followed as per the guidelines given by the affiliating

	university. However for adding quality in examination, the questions papers by the faculty members are thoughtfully prepared considering the Bloom's level and covering all course outcomes. The internal examinations are held centrally through exam cell. For external examinations, university allots the test centres within the district, to the students. Both summative and formative assessments are done to ensure a good preparation for examinations. The internal evaluation process is completely transparent and moderation free. The evaluation is done step wise and the sheets are shown to the students after evaluation. The assessment tools include sessional Tests, Assignments and quizzes. For external examinations, evaluation is done online through affiliating University.
Teaching and Learning	The Teaching and Learning strategies adopted at our college are centered to students learning through well defined learning outcomes. Faculty enlists the learning outcomes to be attained by the students and plans the delivery of the course through online mode, e-lectures or teaching in class. The faculty members make the students understand the concept/principles/theory/problems keeping in view the various cognitive levels of learning, starting from remembering till creativity. This enriches the quality of teaching as well as leads students towards effective learning in the classroom environment. To facilitate the teaching learning process quiz, assignments, group discussions, class tests, seminars, conferences, Guest Lectures, Visiting Lectures etc. are organized on contemporary topics throughout the semester.
Curriculum Development	Being an affiliated college, the curriculum is prescribed by the university. The curriculum maintains a balance in its composition and the contents are well defined. Despite, having a comprehensive syllabus, the quality policy adopted at the college is to identify the gaps in curriculum at the commencement of each session with the help of various faculty members and other stake holders. Necessary modifications are made by

introducing additional courses and the topics beyond curriculum. Skill development programs are designed and conducted in the recent areas of technology and management. The institution encourages faculty members to contribute towards enriching the curriculum during the course of its revision. The identified gaps are also communicated to the university during the process of preparing and finalizing the revised / new curriculum.

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

E-governace area	Details
Student Admission and Support	The candidates seeking admission in the college have to fill an online enquiry form on the ERP admissions module which captures all their relevant information about the student and the admission process begins. After taking admission in the college student is assigned a login in the ERP portal on which the student's personal and academic details are available.
Examination	The college is affiliated to Dr, APJ Abdul Kalam Technical University. On the web portal of the university there is a students' section. Each student has a login id and password. The students are required to fill examination forms and pay examination fee online through this portal. The students can download their admit cards directly through web portal. End semester examination results can be seen and downloaded from this portal and students have to apply for their provisional final degrees, migration certificates through the portal. The sessional marks for theory and practical subjects are compiled and uploaded by respective faculty members through their individual login ids, on the ERP portal of the affiliating university. For evaluation of the end semester answer scripts, the answer scripts are scanned and uploaded for evaluation. Faculty members can login to the designated portal and evaluate the answer scripts.
Planning and Development	The college implements e-governance and integrates Information and Communication Technology in all the working processes of the system. To minimize the manual efforts and create a transparent system, the following ERP

	systems are used in academic planning and development: • To facilitate the same college is using an ERP system "SIM" for planning and monitoring attendance and academic activities. • The College is also using moodles "Abhigyan" and an LMS "OLYMPUS" for planning and development of academic activities like online classes, tests, assignments etc. • The college uses a software "Ioncudos" for implementing the outcome based education. Faculty members update all relevant academic details including Programme Objectives, Course Objectives, Sessional tests, Assignments etc. on Ion CUDOS and the same is monitored by the department heads so as to ensure the attainment of Program outcomes. • In addition to the above, the College also has a studio for recording high quality video lectures which are then shared with the students through the dedicated youtube channel of ABESEC i.e. CETL.
Administration	• Admin support and IT support portal are used for raising complaints regarding infrastructure and non-functioning of IT facilities of the College respectively. A ticket is issued to the complainant and monitored till the issue is resolved. • Human Resource Management: HRM related details of faculty and staff members are maintained and are accessible on the portal"Greythr.com". The personal details, professional qualification are maintained in the portal. Attendance records, status of leaves granted and availed, TDS, salary slips and details of all the benefits and policies for the employees are maintained on the portal. The employees can access the portal to view attendance, leave and salary related queries. The system is also used for the process of applying for leave. • Mechanism for Grievance handling: For the redressal of the grievances among students or employees, the college has a grievance portal "edugrievance.com". Students, faculty and staff members can apply in case of any grievance and the same is resolved by the concerned authority. Periodic reports of grievances are also used for monitoring purposes. • The college uses a Biometric attendance for teaching and non-teaching staff. • The college campus is equipped with CCTV Cameras

	installed at various places to monitor ongoing activities.
Finance and Accounts	**Software "ERP Tally" is used for carrying out and monitoring all financial processes viz. transactions, payment of bills, all receipts and payments, allocations of funds, Budgets, preparing Profit and loss statements and Balance Sheets etc. For financial transactions net banking is used for various receipts and payments such as student fees, staff salaries, institutional purchases etc. Internal and external auditors have been appointed to carry out regular audits and ensure mandatory compliances.**

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
No Data Entered/Not Applicable !!!				
View File				

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)
No Data Entered/Not Applicable !!!						
View File						

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
No Data Entered/Not Applicable !!!				
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
21	**0**	**16**	**0**

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1) Group Mediclaim coverage (GMC) 2) Group Insurance 3) Maternity benefit 4) Fee Concession for the wards of Employee 5) Reimbursement Claim for Professional Development (6) Employees Provident Fund (EPF) (7) Leave encashment (8) Installment purchase of laptop etc- Teaching Aids (9) Gratuity (10) Leave encashment	1) Group Mediclaim coverage (GMC) 2) Group Personal Accident (GPA) 3) Maternity benefit 4) Fee Concession for the wards of Employee 5) Reimbursement Claim for Professional Development (6) Employees Provident Fund (EPF) (7) Leave encashment (8) Installment purchase of laptop etc (9) Gratuity (10) Leave encashment	1) Mediclaim Policy 2) Benevolent Fund 3) Reimbursement Claim for self Development 4) Scholarship Policy

6.4 – Financial Management and Resource Mobilization

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

The institution has a finance section in its administrative setup which is responsible to maintain and audit the financial statements regularly. The college has a mechanism for audit of financial resources from qualified internal auditors and external auditors. The audit team thoroughly checks and verifies the vouchers of the transactions that are carried out in each financial year to report the financial statements. The accounts of the college are audited regularly by external 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 the external and internal auditor as under: Mr. Sanjeev Agarwal, Charted Accountant (Member Ship no. 072907) of M/s. Sanjeev Anand Associates, Ghaziabad (firm Regn. No. 007171C). Mr. Anil Agarwal, Chartered Accountant (Member Ship no.086952) of M/s Anil K. Associates (firm Regn. No. 004932C).

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
No Data Entered/Not Applicable !!!		
View File		

6.4.3 – Total corpus fund generated

354400

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	ISO	Yes	IQAC
Administrative	Yes	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 during 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 • Workshop on Basic Computer Education • Session on health and hygiene

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

1. Participation in NIRF 2. Participation in ARIIA 3. Establishment of Incubation Centre 4. Establishment of Institute Innovation Council under MHRD 5. Establishment of separate centers/departments for Industrial collaborations and involvement 6. Establishment of emerging technologies based Centers of Excellence. 7. Beyond curriculum skill enhancement programs for higher level placements 8. Focus on Research and Development activities – Research publications, Patents and funding 9. Intensive focus on faculty and staff development

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
No Data Entered/Not Applicable !!!					
View File					

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
Workshop on Awareness about 'Internal Complaint Committee'	13/09/2019	13/09/2019	40	32
Workshop on Awareness about 'Internal	01/11/2019	01/11/2019	35	23

Complaint Committee'				
A talk on 'Gender Equality'	13/02/2020	13/02/2020	46	38
A campaign called "SHE FOR SHE"	18/02/2020	20/02/2020	170	20

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
There are two numbers of solar plants in the institute: 1. Own Solar Plant of capacity 200 KVA - Two solar plants of 100KVA each has been installed by the institute from our own resources. 2. Jackson Plant of 300 KW Capacity - This solar plant has been by M/S Jackson Ltd., a private company on investment model. So, in total a 500 KW Solar power plant has been set-up in the institute. As per the recent energy audit performed at the college, the percentage share of renewable energy with respect to the total energy was 41.41, which is quite a good proposition. The details of total energy vs. green energy Current Scenario for the month December 2019 are as follows: 1. The generation of Solar Energy from own Solar Plant (200 KVA) during December 2019: 11946 KWh 2. The generation of Solar Energy from M/S Jackson Solar Plant (300 KVA) during December 2019: 20156 KWh 3. Total generation of Solar Energy of the Institute: 32103 KWh 4. Total consumption of Electrical energy during December 2019: 77522 KWh 5. Percentage share of Solar Energy (Green Energy) w.r.t. total energy based on December 2019: 41.41

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	30
Provision for lift	Yes	40
Ramp/Rails	Yes	10
Braille Software/facilities	No	0
Rest Rooms	Yes	10
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	0
Any other similar facility	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							

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 2019-20 (Code of conduct for Students)	12/09/2019	Student resource book contains the vital information about code of conduct and ethics that students would need to know. It also contains the college specific details and various facilities provided in the college. The major initiatives taken by the college, achievements, details of important officials, emergency contact numbers, anti ragging guidelines and academic details are all covered in the student resource book. The SRB is disseminated among the students during the commencement of the semester. The SRB is regularly updated and disseminated among students.
Hostel Resource Book 2019-20 (Code of conduct for Hostellers)	12/09/2019	The Hostel resource book (HRB) is to guide the students on rules and regulations of the hostel. Hostel resource book contains the information about various hostels and facilities available for the hostel students. The HRB also include the information about empanelled hospitals nearby, emergency numbers, details of hostel allotment, do's and don'ts, refund policy etc. The SRB is disseminated among the hosteller students during the commencement of the semester. The HRB is regularly updated and disseminated among students.
Code of conduct for	16/07/2019	ABESEC has well-defined

Faculty Staff members			code of conduct for faculty and staff members. The same is disseminated among faculty and teaching staff from time to time through human resource department and other higher authorities. The purpose of code of conduct for all faculty and staff members is to guide them for maintaining ethics and respectful course throughout and uphold the honor and dignity of the teaching profession. For effective implementation of code of conduct various training, consistent enforcement, and continuous measurement/improvements have been done through proper dissemination of code of conduct among various stakeholders.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
5 days student's workshop on "Understanding Science of Relationship"	23/09/2019	27/09/2019	30
5 days Technical staff development program on "Understanding Science of Relationship through Self Exploration"	25/11/2019	29/11/2019	26
8 Days Refresher Workshop for Faculty members of AKTU "UHV level-1"	12/01/2020	19/01/2020	60
5 days student's workshop on "Understanding Science of Relationship through Self Exploration"	10/02/2020	14/02/2020	20

"Universal Human Values and Professional Ethics Level 1 workshop"	21/05/2020	28/05/2020	45
4 days workshop on Universal Human Values and Professional Ethics held during 21 days Induction Program	08/08/2019	21/08/2019	1000

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

• Use of solar energy: A total of 500 KVA Solar system has been installed. • Green landscaping: 12371.50 sq. m of total area of 63859.39 sq. m (i.e. 19.37 area) is green (Trees Plants). 3385 garden trees and plants are planted in the college campus. • Disposal of Waste generated is done in following ways: o Biodegradable Canteen waste: Canteen waste is disposed to local Cattle Keepers to feed the waste to their animals. o Leaves and others: Leaves and others are used to prepare Vermi post, which is used as manure in the Institute. Different methods such as pit composting, vermi-composting, are used to treat the waste. o Non- Biodegradable Waste: Two types of dust bins have been placed in the campus for recyclable and non-recyclable waste. Blue bins are placed for recyclable waste while grey bins are placed for non-recyclable waste material at various locations in the college. • Rainwater harvesting: 7 rain harvesting tanks have been placed at various locations. Every Rainwater Harvesting has a pit of 4 x 4 covered with Iron Jalli from where water goes inside in rainwater harvesting. • Paperless office: Most communications are done through email. Further, both sides of paper are used where printing is necessary. • Sufficient display boards against the misuse of water use are kept at strategic locations. • Plastic free campus: Plastic bottles etc are banned. Food vendors are allowed to use paper based disposables only. • Awareness programs were conducted towards avoiding wastage of water and electricity. Guidelines about electricity and water conservation are issued from time to time.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BestPractice-1 1. Title of the Practice Effective use of ICT in Teaching and learning. 2. Objectives of the Practice Enhancement of the faculty competencies with the use of ICT for effective teaching and learning. To develop e-content and make it available to the students for any time access. 3. The Context The use of information and communication technologies (ICT) in education plays a crucial role in providing new and innovative forms of support to teachers, students, and the learning process. With globalization, the information revolution, and increasing demands for a highly skilled workforce, nations are increasingly prioritizing education. Determining the best tools to support learning, and to increase the efficiency of education systems, it is critical to apply the efforts in this direction. 4. The Practice In a quest for "any time anywhere" teaching- learning experience, the college has requested the teachers to adopt the use of ICT in teaching their courses. The same has also been linked to the annual appraisal form for encouraging its use. To achieve this, the teachers have been teaching with the innovative ideas and latest techniques. Few of them are mentioned below: • Teachers used google classroom/moodles/MS Teams as the virtual platform to conduct the online classes and to share the study material in the form of notes, power points and video lectures. • Efforts are made to conduct the online examination and

evaluation. The evaluation of answer sheets, at the University level is already done online. All faculty members already used to this process effectively and efficiently. • In an effort towards self-learning, students are also encouraged to perform their academic activities through online mode. This makes the teaching learning process a two-way process, involving both the teachers and the learners. • To adapt to more sophisticated ICT tools, several workshops/ training programs are conducted. • Faculty members are encouraged to attend faculty development programs, webinars, and workshops on effective use of ICT tools in teaching-learning process. 5. Evidence of Success • Faculty members from Department of Electrical Electronics Engineering and Master's in Business Administration (MBA) were recognized as "Faculty Warriors" for creating e-learning during COVID-19 by Dr. A.P.J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh (the affiliating university). In this regard, the faculty members were issued note of appreciation by the hon'ble Vice Chancellor. • Video contents developed by EN and MBA faculty members were made available to all respective students of Dr. A.P.J. Abdul Kalam Technical University, Lucknow through online means. In the pandemic of COVID-19, thousands of students studied from these videos. • All faculty members developed their video contents to disseminate among their students during pandemic of COVID-19 so as the students studied at their own place and pace. • All faculty members used google classroom as an effective ICT tool. All the teaching content, notes and video lectures were made available through Google classroom, Moodles ABHIGYAN, MS Teams. • In several departments, labs were conducted through online mode where instructions were made through video conferencing. In few departments, experiments were performed by taking help of online Virtual lab, an MHRD initiative. 6. Problems Encountered and Resources Required Although most faculty members are versed with the effective use of modern tools and technologies, some faculty members faced challenges to conduct online classes and in creating multimedia contents. Internet connectivity issue emerged as a great challenge in some cases. Requirement of high-end laptops and smart phone were also seen as limitation in some cases. Resources that were required and used extensively included (i) Online platforms/Collaboration tools for lecture delivery and LMS, like Google classroom, MS Teams, Moodles ABHIGYAN (ii) e-studio developed under Center of Effective Teaching Learning (iii) Pen tablets (iv) Laptops with LAN/WIFI Connection (v) Virtual labs Platform (vi) Youtube Channel BestPractice-2 1. Title of the Practice Placement readiness program through extensive training and development. 2. Objectives of the Practice To develop the necessary skills required among the students so as they become employable. To ensure the holistic development of the students To ensure the better placements of the students at higher salary packages. 3. The Context It has been observed that sometimes just academically good students are not able to fetch good jobs in campus placements because industry demands beyond academic knowledge. This gap in between the academic knowledge and requisite skill set for employability has been identified through interaction with and feedback received from various industry people during on/off campus placement activities. It has become imperative to bridge this gap and counsel as well as encourage students to develop necessary skill set (soft skills as well as technical skills) for a better future. Placement has been improved through the following placement readiness activities: • A dedicated Centre for Career Planning Development (CCPD) is already established at ABESEC to develop and work for a strong and long-lasting Industry-Academia partnership. CCPD mainly focus upon the placement of the students. Few faculty members from academic departments are also appointed as Associate HoD, Departmental Coordinators (DCs) to bridge in between academic departments/students and CCPD. • For the holistic development of the students, a Student's Employability Enhancement Program (SEEP) run from 2nd year onwards. The vision of SEEP is to develop industry ready students through training on desired skills essential for job profiles. The SEEP team works upon the following goals: A. Aptitude and

Reasoning module B. Personal Interview module C. Group Discussion D. Various soft Skills and Resume Building • Different departments conduct various training in core domain as well as software domain. Different core department trainings are conducted through various innovation centers set up in collaboration with multi-national companies. Also, different software trainings are provided from 2nd years onwards. Various company specific trainings are also organized for pre-final and final year students to improve the chances of the students to be placed in a specific company. 4. The Practice • Students with diversified career ambition and the potential for employment are identified after the 2nd semester. • Every student is assigned a faculty mentor who discusses the career options with his mentees. Based on the feedback provided by the mentor, students join various trainings offered by the Institute/ Department. Various software trainings are provided centrally by a comprehensive CCPD team. Various Core trainings are provided by the respective departments. These trainings are curated as per latest trends in industry and delivered in collaboration with the industry and academia. • Since students belong to every sphere of society and all the students are not good in communication/ presentation skills. Hence soft skills team works upon the students to enhance their soft skills from 3rd semester onwards. • Students are also motivated to improve their academic profile and join courses that will reinforce their employable skills. The cumulative acquisition of these skills along with they had gained through mind set, make these students winners and increase our percentage of placement. • In addition to the above, special training programs are conducted as per the needs of the specific companies visiting the college for bulk hiring. Students are provided access to e-content developed for the trainings and placement preparation and company specific solutions. 5. Evidence of Success • Total 319 companies visited ABESEC in 2019-20 for placement purpose. • Total placements offered in 2019-20 were 1530 including multiple offers to a single student. • Total 897 students were placed among the total registered students of 1092. • Highest salary package awarded to the students of ABESEC was 27.70 LPA by ADOBE and 27 LPA by AMAZON respectively. 6. Problems Encountered and Resources Required • Students had to be counseled and mentored through respective department placement coordinator as well as student's mentor. • Parental attitudes towards employment outside the region requiring non-conventional work culture (eg. Nightshift, Gender mix) had to be changed. • Locally available jobs are few and they do not offer attractive incentives. • From experience, the institution has learnt that targeting and grooming the students in the final year alone, do not raise their potential to satisfy the employer's expectations. Hence potential candidates must be groomed from the first year itself. • A separate budget is made specifically to cater the expenses in training and placement processes.

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

ABESEC is committed to produce world-class competent and dedicated technical and managerial human resource embedded in traditional Indian values and positive attitude. No stone is left unturned to provide quality education and efforts are made for paid internship, pre-placement offers, technical trainings, industrial consultancy and quality placements. ABESEC also strive to inculcate entrepreneurship skills among the students so as in future they may become job provider to a mass rather than job seeker. We follow the step-up philosophy for industry academia integration and work in close association with

industry. The various centers developed for the purpose are: Optimal Research Based Industrial Technical Solutions (ORBITS) and Dataritz: These centers have been playing a pivotal role to bridge the gap between classroom teaching and the real World applications. One of the major pursuits of these centers is to engage industry in the capacity of solution consultants. ORBITS and Dataritz are the attempts towards creating optimized technical solutions for industry. We get various consultancy/ Industrial projects on which students are engaged in collaborative learning. These centers have designed and delivered industry grade projects for the likes of Intex Ltd, LGF Sysmac and many more. Centers 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. Through these centers, we allow the students to peep into the real world before entering into it and making the transition smooth from academics to organizations for students. Innovation centre in association with leading industries like National Instruments, Rockwell Automation, SMC corporation, Texas Instruments, Embedded System Lab, Cisco Networking Academy and many more has been set up for training and skill building purpose. Centre of Career Planning and Development (CCPD) acts as a primary driver for students' overall career development through career counseling/guidance and best possible support in terms of placement in renowned companies. More than 250 companies visit our campus every year. ABESEC organizes pool campus recruitment process towards commitment for our social responsibilities. CCPD also conducts beyond placement activities like availability of stipend-based Internship/training and live project for large no. of students across batches. CCPD also organize career counseling sessions on regular basis with the help of in-house trainers as well as with the help of external agencies/professionals. Since the time belongs to Entrepreneurs, we also 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 programs and activities. In year 2019, ASL was upgraded into separate legal entity under section 8 of companies act 2013 i.e INurture Incubation Foundation.

Provide the weblink of the institution
https://www.abes.ac.in/

8.Future Plans of Actions for Next Academic Year

 Plan of Action for the session 2020-21 • To apply and prepare for the 2nd Cycle of NAAC. • NBA visits in the departments o To apply the NBA compliance of B.Tech. in (i) Electrical Engineering and (ii) Information technology o To apply fresh accreditation for B.Tech. in Mechanical Engineering • To apply for National Institutional Ranking Framework (NIRF) • To apply for Atal Ranking of Institutions on Innovation Achievements (ARIIA) • More activities under Institute Innovation Council (IIC) and improve the star rating. • 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 years. • Career counseling for enhancing quality of placements and providing guidance for competitive examinations to encourage students for higher studies. • Promote Research and Development Culture in the institution by (i) Encouraging faculty and students to apply for patents (ii) Resource mobilization for research -Applying for research projects for funding from DST/CSTUP/CSIR and other Government and non Government agencies (iii) Publication of quality research papers in various National and international Journals of repute (iv) Organizing International Conferences • Promote Industry

Institute collaborations and MoUs for students' internships, on-job trainings, knowledge sharing sessions by Industry experts, faculty trainings through Industry personals, student projects and consultancy. • Increased focus on extension activities. Providing technical trainings to the nearby villages for their skill enhancement and employability. • Promote innovation ecosystem in college - More programs/workshops to be organized on IPR, Industry academia innovative practices and support entrepreneurship /startups. • Organizing faculty and staff development programs, Workshops, training programs and Seminars/webinars for their professional development. • Encouraging faculty and staff members to attend faculty development programs, short term training programs, workshops, conferences, seminars, online/offline certifications etc for their self development. • Encourage faculty members to use ICT for effective teaching using e-learning resources and developing e-content for students.