



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

ABES INSTITUTE OF TECHNOLOGY

**ABES INSTITUTE OF TECHNOLOGY CAMPUS-2, 19 KM STONE, NH-24, VIJAY
NAGAR, GHAZIABAD-201009**

201009

www.abesit.in

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BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

ABES Institute of Technology (AKTU College Code 290), a self-financed institute embarked on its mission in the field of Technical Education in the year 2007. It is situated on a prominent location at 19th Km Stone, NH-24, Vijay Nagar, Ghaziabad, Uttar Pradesh, 201009. It is approved by AICTE and affiliated to Dr. Abdul Kalam Technical University, Lucknow, Uttar Pradesh. Presently we have the following undergraduate programs in B. Tech. – CSE, IT, CSE(AI), CSE (Data Science), BBA & BCA and post graduate program in MCA. **B.Tech. CSE, IT are NBA accredited.**

Teaching learning atmosphere in the campus has shown its impact on overall performance of the students in Smart India Hackathon consistently with consolation prize in 2017, three runner-up Teams in 2018, one team winner each in 2019, 2020, two team winners in 2022 and four team winner in 2023. Institute's Institutions Innovation Council (IIC), established under the direction and norms of Innovation Cell, Ministry of Education, Govt. of India is consistently performing well having secured 4.5 STAR out of 5 in 2019-20, 4.0 STAR in 2020-21 and 3.5 STAR in 2021-22 & 2022-23. In ARIIA ranking 2021, the Institute got recognized as "Band-Performer" under the category "Colleges/Institutes (Private/Self-Financed) (Technical)".

ABESIT Career Resource Centre (CRC) is effectively functioning in conducting placement drives and plays a vital role in enhancing the capabilities and competencies of students so that they become employable and professionally strong. Our students are doing well in academics at university level and average placements are over 80%.

In 2022, the Institute has set up an AI based Centre of Excellence in association with NVIDIA for students and faculty where they'll be provided exposure to industry standards with high-quality in a competitive and challenging environment. This is the first-of-its-kind Centre of Excellence established in any private institute in affiliating university of Dr. A P J Abdul Kalam Technical University, Lucknow, and NCR Region.

The objective of establishing NVIDIA Artificial Intelligence Centre of Excellence are:

1. Build an "Industry-Ready" AI talent pool
2. Promote AI research in Institute.

Vision

To be a leading institution in technical education providing education & training enabling human resource to serve nation & world at par with global standards in education.

Mission

- Developing state-of-the art Infrastructure which also includes establishment of Centers of Excellence in pursuit of Academic & Technical Excellence.
- Valuing workforce, inculcating belongingness & Professional Integrity.

- To develop human resource to solve local, regional & global problems to make Technology relevant to those who need it most.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Qualified, experienced, and dedicated teaching faculty
2. Laboratories with State-of-the-Art equipment and modern software tools.
3. The outcome-based teaching method has given good achievement in results and placements.
4. All eligible programmes are NBA accredited (B.Tech CSE/B.Tech IT)
5. Effective use of ICT in teaching learning process.
6. Effective mentor-mentee system and concern for slow learners who are assisted through remedial classes
7. Improved record in national and international publications
8. Excellent infrastructural and IT facilities
9. Management with a vision for imparting quality education and student welfare.
10. Buildings have adequate facilities for the differently abled persons.

Institutional Weakness

1. Less Placement with package of 10 Lac and above.
2. Less student pursuing higher education.
3. Involvement of Alumni at Institute level is less.
4. The potential for academy-industry linkage should be exploited more.
5. Students, being from rural areas, are striving to meet national and global standards in technical education and facing language barriers (English Language).
6. More exposure needed in research, funded projects, patents, and consultancy.

Institutional Opportunity

1. The presence AI Based Research Centre by NVIDIA offers immense scope for students to become Industry ready.
2. Located in NCR region, there is immense potential to arrange a greater number of FDPs /STTPS/ National Level /International Level conferences.
3. Ever increasing demand for technical education at National and Global Level is a boon.

Institutional Challenge

1. Further strengthen Industry-Institute Interaction.
2. More placements in companies offering higher packages are required.
3. Encouraging students for competitive examinations and higher studies.
4. Networking and strengthening relationship with stakeholders.
5. Generation of more avenue of funding through research projects and consultancy

6. To increase number of quality publications, number of patents and translation of technology into product.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

ABESIT is committed to justify the objectives envisaged in the Vision and Mission by way of creating, executing and disseminating the knowledge in the area of Management and Computer Applications. Presently we have the following undergraduate programs in B. Tech. – CSE, IT, CSE (AI), CSE (DS), BBA & BCA and post graduate program in MCA.

Curricular Planning and Implementation

For all courses, curriculum is prescribed by our affiliating university (AKTU). Dean Academics along with the HoD's consultation prepares an Academic Calendar for each semester which includes examination schedules, curricular, co-curricular, extra-curricular events including holidays. Each Department prepares its academic calendar in tune with Institute Calendar by incorporating events, guest lectures, competitions etc. After allocation of subjects by HOD in departmental meeting, each faculty prepares a detailed course plan including the text & reference book(s), web-resource(s), LP, COs, Cos-Pos/PSOs mapping, attainment levels, curriculum gaps, corrective actions, unit wise notes and previous performances.

After the completion of the semester, it is updated with analysis of students' feedback, attainment of COs, Pos/PSOs and justifications for non-attainment of COs, Pos/PSOs (if any). It also includes the topics to be covered beyond the curriculum. The Library Committee, prepares the list of additional books, journals to be procured for each session. The progress of academics is monitored through weekly meetings in presence of Director.

Academic Flexibility & Curriculum Enrichment

The Institute provides value added courses, MOOC's Courses, short-term training on computer courses, live projects and summer training. Students also organize various curricular activities under the banner of the different academics clubs. The Institute celebrates Teachers' Day, Independence/Republic Day, Fresher/Farewell Day, and all cultural festival. Apart, we organize Blood donation Camp, Sports Fest and Cultural Fest every year to inculcate moral and ethical values. We also organize aids awareness camp, clean india drive and other awareness program time to time.

Regular feedback is taken from the students and stakeholders alike. An effective grievance redressal mechanism is also in place as per AICTE guidelines to ensure that all grievances are dealt with in an effective and time-bound manner.

Teaching-learning and Evaluation

Admission process of the Institute is through the counselling process conducted by AKTU. Management quota and vacant seats are filled as per guidelines issued by the University. The academic session for 1st year begins with mandatory Induction Program. The Academic Calendar prepared at the beginning of each semester forms

the basis of teaching-learning and evaluation process. Course file prepared by faculty for each subject forms the basis of continuous teaching learning and evaluation process. The course curriculum is divided in to the units to be covered during the duration of the semester.

Evaluation process is followed as per AKTU norms. It comprises of internal as well as external assessment. The internal assessment is based on various parameters like assignment, class tests (CTs) and sessional test (ST)/ Pre University Examination (PUE) which are the continuous performance assessment tools to assess student's engineering knowledge and problem solving ability. Internal examinations are conducted centrally as per the guidelines issued from Controller of Examination (CoE) of the institute according to the Academic calendar issued by office of Dean (A).

Minor/ Major Project allocation is finalized in the 3rd & 5th semester and one copy of the list of allocated projects is submitted to Dean (Academics) office before the end semester examination. Department follows the Institute's policy for project identification and allocation as mentioned below:

- At the initial stage Project Committee is formed which invite project proposal from faculty members. The project proposals are considered from different categories, such as research based, product or application based and projects relevant to environmental and societal needs. Projects of interdisciplinary in nature are also welcome.
- Projects proposals received from faculty members are screened by the Project Committee.
- The Project committee thereafter communicates the list of screened projects to the students.
- Projects are allocated to the students' groups as per their interests and their project presentations conducts in each semester to monitor the progress of project work.

To maintain the standards and quality of the teaching, institute has well qualified faculty members having doctorate and post graduate degree with rich experience of teaching and research.

Research, Innovations and Extension

The institution is constantly striving to improve research at institutional level. The institute encourages faculty and students alike to enroll for memberships of different professional bodies and participate in different conference conducted by other Universities/Colleges or Journal and also to present their research works in such events. They are also encouraged to submit government funded project/grant proposal and participate in IPR and RM related events and for this Institute has following promotion policies to support Research and Innovations:

1. Support for participating in Conference, Workshop, Seminar and Symposium (SPC).
2. Support for Research Publication (SRP).
3. Support for Research Grants (SRG).
4. Support for Consultancy Practices (SCP).
5. Support for Student Mentoring by Teaching Faculty for achieving Distinction in Technical Activities (SSM).
6. Support for Patent (SPT).
7. Support for Increasing Qualification (SIQ).

The institution regularly conducts motivational sessions, expert talks on recent technologies etc., for motivating and guiding the students to learn the art and skill of ideation, innovation and transfer of knowledge. Finally, to

promote research activities an impetus was given for MOUs and Collaboration with academia and industry alike. Our publications in Scopus indexed journals are increasing each year as can be seen from Scopus site.

We have been constantly trying to improve our research culture among students and faculty. Mini-Project and Project are prescribed by AKTU in curriculum. These are evaluated based on internal competition. Prize money is given to winners. This culture has helped students to excel at national level competitions, where they have been successful in proving solutions to complex engineering problems. Numerous outreach activities have been organized in near past, such as tree plantations, meditation, yoga and adoption of the villages.

Teaching learning atmosphere in the campus has shown its impact on overall performance of the students in Smart India Hackathon as winner consistently since 2017 to 2023. Institute's Institutions Innovation Council (IIC), established under the direction and norms of Innovation Cell, Ministry of HRD, Govt. of India is consistently performing well having secured 4.5 STAR out of 5 in 2019-20, 4.0 STAR in 2021-22 and 3.5 STAR in 2021-22 & 2022-23.

Infrastructure and Learning Resources

ABESIT Campus has air-conditioned classrooms and tutorial rooms, ultra-modern Auditorium and Seminar Hall with audio-visual aids along with an Amphitheatre of 2000 seating capacity. Institute possesses proper playgrounds and hard courts for outdoor sports. Separate decent boy's and girl's hostels with mess facility have attracted the attention of students. The faculty residence in campus provides a sense of security to hostelers, besides strict security monitoring 24X7. State-of-art Library with reading room provides teaching learning atmosphere in the campus. Campus houses Stationery Shop, Snacks Café, Laundry Shop. The Institute ensures that the infrastructure facilities meet the requirements of the differently abled persons.

The library services are fully computerized. The library is divided in to sections like Reference Hall, Stack Halls, Digital Library, Reading Hall, Departmental Library, and Periodical cum CD Section for accessing e-resources, Reception, Circulation Counter. Based on the requisitions/recommendations received from the faculty and students, the Library Committee takes decision for the purchase and use of current titles, important journals, E-journals, and other readingmaterial.

IT Infrastructure

The State of arts computing facilities are available (hardware and software) at the institution. The Computing facilities are available of the best quality. There are 16 Computer labs with 529 computers/nodes with internet facility, printers, software's, database. Dedicated Lease-line of 800 MBPS band width with Wi-Fi networking caters to all the Labs and departments to the faculty and students at the college.

Student Support and Progression

The Institute publishes its updated Information Bulletin, Placement Brochure and Students Handbook every year. The Institute also provides the detailed syllabus of all the subjects and teaching plan along with case studies and evaluation criteria, pedagogy and suggested reading to the students well in advance so that they come prepared for class. For Skill development, soft skills, personality development programmes, and English language classes are arranged.

The institute facilitates all the scholarships offered by the State and Central Government. All the eligible students admitted in the reserved category are receiving financial assistance from State Government. Every department organizes expert lectures conducted by industrialists and experienced professionals to develop entrepreneurial skills among the students. The institute motivates the students to appear for GATE and other related examination for PG programs. Corporate Resource Centre (CRC) takes care of placement of students. The institute has a Student Grievance Redressal Cell.

The Alumni association contributes actively to the growth of the institution through the alumni association. The institute is part of annual cultural meet of students. It is also a part of annual technical meet "HACKNOVATE" of students which showcase the technical skills of students. In addition, students are encouraged to participate in various national level events in cultural, sports and technical activities. Several students from the institute received laurels by winning the events in all these activities.

Governance, Leadership and Management

The governance model of the institute is democratic, participative, and transparent. The institute's mission and vision are outlined in its strategic plan. The management aims to achieve these goals through the development of a comprehensive educational program that includes academic excellence and professional ethics.

Leadership of the institution has involved the representatives of various stakeholders at various levels to ensure the interaction with stakeholders, protection of their interests and constructive contribution by the stakeholders and society as whole. Proper policy formulations are done after detailed study, analysis, deliberations and consultations with the experts and stakeholders. The Director executes the policy decisions taken by the Governing Council through its staff to maintain and achieve the goals and objectives as laid down by the Governing body.

The Institute has a defined hierarchy for the successful monitoring and effective implementation of plans and policies. Regular meetings of the Governing body of the Institute are held as per rules.

Governing Council

The College has its Governing Council which governs all the Administrative and Academic functions of the College. The Governing Council is headed by the Chairman, Ved Foundation, Sh. Ashu Goel Ji.

Administrative setup

The College has an administrative setup, Chairman - Governing Council, Chairman's Nominee, Director & HODs along with other administrative heads.

In addition to above administrative setup following committee also exists for the smooth working of the college.

1. Finance Committee
2. Proctorial Board
3. Internal Complaints Committee
4. Woman Grievance cell

Extent of Awareness among the employees/students:

After every BOG meeting relevant action is taken to inform and aware the employees and students. Resolutions passed in meetings are implemented accordingly. Since the system maintained in college is fully transparent therefore 100% awareness among the employees/students is there.

Institutional Values and Best Practices

The Institute is continuously engaged for making the campus eco-friendly. The Institute has installed energy saving equipments for conservation of energy. Water harvesting: Rain water harvesting system has been installed at various points in our college and hostels. The Institute has under taken massive tree plantation to neutralize carbon pollution. Excellent Industry linkage through NVIDIA is a unique initiative by ABESIT.

Best Practices-1

Title of Best Practice: HACKNOVATE: Platform for Innovation and collaboration

HACKNOVATE is a nationwide initiative by ABES Institute of Technology in association with Institution Innovation Council (IIC). It is a competition of ideas that amalgamates the best of coders, engineers, architects, designers and business visionaries of the forthcoming time. Mission of the event is to provide a platform where the best of the talent and innovation can meet to create the most innovative solutions.

The objective of this event is to provide students a platform to come up with ideas leading to innovative products, thereby giving solution to real problems we come across in daily life. Our success can be witnessed in the (Smart India Hackathon) SIH winners in 2019, 2020, 2022 & 2023.

Best Practice-2

Title of the Practice: Go Green Revolution: Advancing Water Management and Environmental Sustainability

The "Go Green Revolution: Advancing Water Sustainability" initiative addresses the pressing concerns of water scarcity and environmental degradation. By actively involving various stakeholders, this initiative transforms the campus into a model of sustainable water management and eco-friendly practices. The practice aims not only to reduce water wastage but also to instill a culture of conservation and environmental responsibility within the campus community.

The primary objective is to plan a comprehensive and actionable framework for understanding, implementing, and promoting water conservation practices with green campus. **Promote a Zero Waste Initiative** by eliminating single-use plastics, responsibly managing e-waste through collaboration with certified organizations and producing in-house bio-enzyme chemicals for plant care, thereby reducing reliance on synthetic products and minimizing environmental impact. We **Enhance Campus Health and Environment through Strategic Plantation** that can improve air quality, promote wellness, and support the ecological balance of the campus.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	ABES INSTITUTE OF TECHNOLOGY
Address	ABES Institute of Technology Campus-2, 19 KM Stone, NH-24, Vijay Nagar, Ghaziabad-201009
City	Ghaziabad
State	Uttar pradesh
Pin	201009
Website	www.abesit.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Director	M. K. Jha	0120-8448583370	9711060919	0120-2845600	director@abesit.in
Professor	Subodh Kumar Sharma	0120-8448583371	9808621738	0120-2845600	dsw@abesit.edu.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular Day

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
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State	University name	Document
Uttar pradesh	Dr Apj Abdul Kalam Technical University Uttar Pradesh Lucknow	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	19-05-2024	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	ABES Institute of Technology Campus-2, 19 KM Stone, NH-24, Vijay Nagar, Ghaziabad-201009	Urban	13.34	32982.2

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/ Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Computer Science And Engineering,	48	Passed 10+2 examination	English	300	300
UG	BTech,Computer Science And Engineering Artificial Intelligence,	48	Passed 10+2 examination	English	300	300
UG	BTech,Computer Science And Engineering Data Science,	48	Passed 10+2 examination	English	120	120
UG	BTech,Information Technology,	48	Passed 10+2 examination	English	60	60
UG	BBA,Bba,	36	Passed 10+2 examination	English	120	54
UG	BCA,Bca,	36	Passed 10+2 Examination with Mathematics/Business Mathematics as one of the Subjects	English	120	38
PG	MCA,Master Of Computer Application,	24	Graduation degree with Mathematics at 10+2 level or at Graduation level	English	60	20

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	11				18				113			
Recruited	8	3	0	11	13	5	0	18	46	67	0	113
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				92
Recruited	82	10	0	92
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	13	1	0	14
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	8	3	0	11	5	0	7	8	0	42
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	2	0	0	39	59	0	100
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	1938	311	0	0	2249
	Female	662	101	0	0	763
	Others	0	0	0	0	0
PG	Male	36	6	0	0	42
	Female	13	2	0	0	15
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years						
Category		Year 1	Year 2	Year 3	Year 4	
SC	Male	10	23	11	5	
	Female	3	4	2	5	
	Others	0	0	0	0	
ST	Male	0	3	1	2	
	Female	0	0	0	0	
	Others	0	0	0	0	
OBC	Male	174	187	122	123	
	Female	49	33	29	28	
	Others	0	0	0	0	
General	Male	396	406	285	255	
	Female	143	159	76	78	
	Others	0	0	0	0	
Others	Male	0	0	3	5	
	Female	0	0	0	0	
	Others	0	0	0	0	
Total		775	815	529	501	

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:

As per the Vision statement, ABESIT emphasizes to be a leading institution in technical education providing education & training enabling human resource to serve nation & world at par with global standards in education. The 4-year curriculum has been divided into 8 semesters that include lectures, tutorials, practical's, seminars, and projects, NPTEL/MOOC's etc. in addition to industrial training and educational tour etc. as defined in the scheme and executive instructions issued by the University from time to time. The curriculum also includes such other curricular, co-curricular and extracurricular activities as prescribed by the University from time to time. Hence, as per the curriculum prescribed by our affiliating university, we give ample opportunity through extra-curricular activities which includes arts, music, debates etc. for students to develop multidisciplinary talents. The Model Curriculum prescribed by university provides flexibility in designing curriculum and assigning credits based on the course content and hour of teaching. The Model Curriculum provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective and open elective courses. The MODEL CURRICULUM provides a cafeteria type approach in which the students can take courses of their choice, learn at their own pace, undergo additional courses, and acquire more than the required credits, and adopt an interdisciplinary approach to learning. The courses are evaluated on the grading system. Grading system has been adopted to make the uniformity among all technical institutions of India. This will benefit the students to move across institutions within India to begin with and across countries. ABESIT is approved by AICTE and affiliated to Dr. Abdul Kalam Technical University Lucknow (AKTU). The University at present allows branch change in 2nd year only and the student admitted to 1st year B.Tech are required to complete the course within a period of seven academic years from the date of first admission, failing which he/she has to discontinue the course. The students admitted under lateral entry scheme (2nd Year B.Tech) are required to complete the course within a period of six academic years from the date of first admission, failing which he/she has to discontinue the course. The Multidisciplinary flexible curriculum with multiple entry and exit at the end of

	<p>1st, 2nd and 3rd years are to be incorporated into curriculum by university which shall be adopted by institute. To have effective interaction with Industry, the Institute has signed MoUs with NVIDIA Artificial Intelligence Center of Excellence so that students get exposed to industry standards through live projects. NVIDIA offers industry-leading solutions combined with extensive expertise and a broad ecosystem that helps educational institutes to create or expand an AI Center of Excellence for both teaching and research needs across all disciplines. With solutions for AI training and inference, data science, and advanced rendering, NVIDIA is uniquely positioned to help drive this transformation. NVIDIA's AI computing stack is the most advanced in the world.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>Academic Bank for College and University (https://aktu.ac.in/) Students of Uttar Pradesh (ABACUS -UP) is a student-centric academic service portal established and managed by Higher Education Department of Government of Uttar Pradesh. AKTU has already included this in its curricular aspects. As an affiliating institute under AKTU, We are following the guidelines issued by the university. Our students avail this opportunity based on policy framed by university and its registration on its platform. The concept of the Academic Bank of Credit is also aimed at making students employable professionals. In line with the regulations of the affiliating University and AICTE, ABESIT has been continuously incorporating various types of multidisciplinary courses into its curriculum. These include Massive Open Online Courses (MOOCs) such as SWAYAM. The credits earned through these courses are additionally added to the student's overall marks sheet. With the increasing number of students choosing their own subjects, they have more flexibility when it comes to choosing their education.</p>
<p>3. Skill development:</p>	<p>The institute has taken up the initiative of training the students with the third-party agency named Seventh Sense Talent Solution, Bangalore and Anudip Foundation for social Welfare, Kolkata in which the third year students are trained in different modules such as Aptitude, Reasoning, Communication, Group Discussions, Mock Interviews and Computer Coding. This process of training helps the student to become industry ready and evolve in the ever-changing</p>

market of technology. The institute thrives for academic excellence and collaboration of Industry with academia to bridge the gap among them. This in return helps us to get maximum of our students to be placed in the market, as the main goal of a student is to be placed. The main aim of education is to develop good, true personality in man so that a moral life can be established in the world. A person must essentially be made holy, perfect and true. The welfare of humanity lies neither in scientific or technological progress nor in the acquisition of material comforts. The main function of education is to enrich character. What we need most today is ethical leadership based on courage, intellectual integrity and a sense of values. Since education is a powerful instrument of social change and human progress, it is also a powerful instrument of inculcating values in an individual. Therefore, all educational institutions have a great responsibility to inculcate learning and values through education. For inculcating values, we offer many program in our curriculum. These are as follows:

- ? Organize orientation program for Students (Induction Programme for newly admitted students).
- ? Value based foundation courses (for B.Tech Second Year Students).
- ? Other elective courses (for B.Tech IIIrd & IVth year students).
- ? Faculty & Staff Development Programme.

The teacher should appreciate the children for developing pro-social behavior, especially for any specific action they have done to help others. In the first year of engineering, the institute's students are taught about the importance of various skills in a professional course. Mini-projects are also made mandatory for the students in the second, third, and fourth year of studies. The institute has laboratories that are designed to provide the students with the necessary simulation and practical skills. Through its internship programs, the institute has been able to encourage students to develop their problem-solving skills and enhance their technical abilities. It also conducts exhibitions to promote its technical skills. In addition, regular training sessions are conducted in the areas of communication and aptitude to help students make them employable.

4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):

Since its inception, the institute has been dedicated to promoting Indian values and culture. Through various courses, such as yoga, music, and

environmental science, the institute aims to create a healthy environment for learning. The institute's curriculum includes mandatory courses that are Indian constitution and gender sensitization. These courses are also taught in the context of Indian ethos. The college itself has a wide variety of languages, and its students have a unique maturity level. The college is known for conduction all most festivals and events, such as traditional day, Holy, Deepawali, Teachers day etc. The college also hosts various cultural festivals and events, such as the Women's Day and the Clutural/Sports Fests. These activities are designed to provide students with an opportunity to experience different parts of India. Through these tours and events, they can gain an understanding of the country's diverse culture and traditions. At Institutional level, teaching has already been in bilingual mode for convenience of students. The affiliating university has begun revision of curriculum with an eye on recommendations of NEP 2020. We have conducted FDP on NEP 2020 to familiarize our faculty on the implementation of Indian Knowledge System in the teaching learning process. We shall ensure that teachers undergo induction and refresher training programmes in the Indian Knowledge Systems (IKS), which will include learning about chemistry through ayurveda, mathematics in the Vedas, and the history of the Indian economy in Mahabharata and the Arthashastra. We are dependent on our regulatory bodies to roll out FDP opportunities so that our faculty members upgrade themselves.

5. Focus on Outcome based education (OBE):

Outcome-Based Education (OBE) is a student-centric teaching and learning methodology in which the course delivery, assessment is planned to achieve stated objectives and outcomes. It focuses on measuring student performance i.e., outcomes at different levels. We follow the approach of OBE in letter and spirit. Presently all eligible programs are NBA accredited (B. Tech CSE & B. Tech IT). Formation of Vision & Mission of each program is in alignment with Institute Vision and Mission. The general process adopted and prescribed for all teaching learning process is as follows: 1. Formation of Program Specific Outcomes (PSO). This is specific to program apart from PO's already defined for engineering. 2. Formation of Program

	<p>Educational Objectives (PEO). 3. Identification of Direct and Indirect Assessment Techniques for evaluation of learning outcomes and course outcomes. 4. Designing feedback mechanisms to monitor the learning outcomes and for taking corrective measures. 5. Defining Course Outcomes for each subject. 6. Preparation of course files for each subject in line with above formulations. 7. Identification of gaps and beyond curriculum topics for each subject based of feedbacks and assessment. 8. Fixing target of Program Outcomes (POs) and Program Specific Outcomes (PSO's) attainment. 9. Calculation of PO and PSO attainment after completion of academic session. 10. Identification of corrective measures for next academic session based on present PO and PSO attainment level so that Graduate attributes are attained by each student. We follow the Outcome-based education in letter and spirit wherein we focus in making students demonstrate that they "know and are able to do" whatever the required outcomes are. Course outcomes for each subject outlines specific, measurable outcome. It is our commitment not only to provide an opportunity of education, but to require learning outcomes for advancement. It is a student centric instructional strategy focused on the pre-set outcome to be achieved by a student. The target is well defined at the beginning of a programme or course of study. Outcome-based education is one of the focus of the NEP 2020 and we already taken a lead in this direction.</p>
6. Distance education/online education:	<p>We take up online courses and certification courses through Open and Distance Learning (ODL) mode as per the guidelines that would be prescribed by our affiliating University. Since academic session 2018-19, AICTE Model Curriculum has been adopted by us as prescribed by AKTU through which students are required to take NPTEL MOOC's courses to get Honours Degree in B. Tech. 24 NPTEL subjects are incorporated in ERP of AKTU university portal. These subjects are common to all B. Tech. Branches and students take the subjects in ODL Mode. As per AKTU, engineering students are required to complete 160 credits in 4 years. After successful completion of 160 credits, a student becomes eligible to get Undergraduate degree in Engineering. A student becomes eligible to get</p>

undergraduate degree with Honours only, if he/she completes additional university recommended courses (Equivalent to 20 credits) through MOOCs. We emphasize that each student of ABESIT take up MOOCs course. Hence, presently ABESIT has adopted distance as well as online education. We are also following OBE in our teaching learning process. For OBE, every faculty prepares a course file based on past attainment level wherein he/she emphasizes the lecture plan which includes topics based on gap analysis. Faculty also prepares video lectures whose link is shared with students. Students go through these contents at their convenience and pace of learning. Hence, the blended mode of learning is already in practice.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	We do have Electoral Literacy Club in the College.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Registrar is the Institute level Co-ordinator of ELC. Registrar coordinates with students' co-ordinator and Block Level Officer for Voter registration in case of students not having Voter id. ELC members are student volunteer taken from different branches and different years to represent all students at the college level.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	An Electoral Literacy Club is a platform to engage students through interesting activities and experience to sensitise them on their electoral rights and familiarize them with the electoral process of registration and voting. The ELC has been established for Voters who are aged above 18 years for developing a culture of electoral participation and maximize the informed and ethical voting that follows the principle- 'Every Vote Counts' & 'No Voter to Be Left Behind'. Through ELC, PRAYAAS aims at strengthening the culture of electoral participation among young and future voters. The main objective of this club is to educate the targeted population about voter registration, electoral process and related matters through experience. ACTIVITIES: • Voter Awareness Campaign. • Voter Awareness through Poster Exhibition. • Participation

	<p>in human chain making for electoral awareness. • Photography Contests, Film Screenings and Short Film Making Contest. • Awareness on EVM & VVPAT. • Election Quiz. • Slogan Writing. • Mime Act/Street Plays/Roadshows/Nukkad Natak. • Webinar on Election Orientation.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>Some student projects are related to awareness, evoting, yuvaamanthan program (An initiative of UGC) etc. These works may lead to research publications. These works are at nascent stage.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>No of students above 18 years who are yet to be enrolled as voters: 1248</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
2585	2176	1755	1589	1470

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 263

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
142	130	126	86	110

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2023-24	2022-23	2021-22	2020-21	2019-20
2305.01	1872.69	1566.02	886.83	922.11

File Description	Document
Upload Supporting Document	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

ABES Institute of Technology is affiliated with AKTU, Lucknow. The institute adheres strictly to the curriculum and syllabus prescribed by the university, implementing them through a well-organized and documented process as outlined below:

- **Preparation of Academic Calendar:** At the beginning of each academic year, the academic calendar is prepared at the college level incorporating curricular, co-curricular and extra-curricular events in alignment with the University academic calendar.
- **Library books Upgradation:** The library is informed of required textbooks, reference books and e-journals for the forthcoming semester/academic year.
- **Course Allocation:** Courses are allocated to the faculty members based on their expertise & subject preferences by the Head of the department (HOD) and approved by the Director.
- **Timetable Preparation:** Class-wise timetable includes time slots for MOOCs, Project, Industrial Training presentations, Seminars, Counseling sessions & library period.
- **Design and Dissemination of Course Plan:** Each faculty member prepares a detailed course plan including the text book(s), reference book(s), web resource(s) and ICT tool(s) to be used for each topic. It also includes the topics to be covered beyond the curriculum which is then disseminated to the concerned students after approval of the Head of the Department.
- **Preparation of Course file:** Each faculty member prepares the course file which includes the time table, lecture plan, course outcomes, mapping of course outcomes with program outcomes & program specific outcomes, attainment levels and targets, identified curriculum gaps, corrective actions, unit wise notes, previous question papers and previous performances. After the completion of the semester, it is updated with analysis of students' feedback, attainment of COs, POs & PSOs and justifications for non-attainment of COs, POs and PSOs (if any).
- **Content Delivery:** New and innovative teaching techniques, in addition to the traditional lecture method are adopted to deliver the content. Learner-centric techniques are employed to encourage students' active participation.
- **Tutorial/Assignments:** Faculty prepare the tutorial sheets and their solutions for all subjects which includes previous university questions & other important questions in view of competitive examinations. Assignments are given to the students & are checked after submission by students.
- **Reviews:** Periodical review on the coverage of syllabus and regularity of the students is taken by the HOD/Dean Academic followed by Director. Suggestions are invited for the improvement of the teaching-learning process through regular meetings with Class Representatives (CRs).
- **Assessments:** As per the regulations of the affiliated university, the assessment is in two ways:

1. **Internal Assessment:** Internal assessment is based on student's obtained marks in class

test/sessional test/assignment and percentage of attendance. There are two class tests and two sessional tests are conducted in a semester for every subject. On the basis of weightage function of their CTs, STs, assignments and attendance marks, internal marks of the students are finalized.

2. **External Assessment:** The external assessment is based on the end semester examinations conducted by the Dr. APJ Abdul Kalam Technical University, Lucknow.

- **Feedbacks:** Feedback from students, faculty, employers, and alumni is gathered according to predefined parameters to drive continuous improvement.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 92

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 64.57

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
1955	2169	795	785	479

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

Our Institution integrates Cross-cutting issues of the society like moral Values, Human Values, Professional Ethics, Ethical Values Gender Equality, and Environmental Awareness, which are in separable parts of our curriculum.

1. Moral Values, Human Values & Professional Ethics

At ABES Institute of Technology, values and ethics are woven into the curriculum. The journey begins with a 21-day induction program for first-year students, laying a strong foundation that is built upon in the second year through the compulsory course "Universal Human Values & Professional Ethics." This ethical education is further deepened in the final year with the elective "Understanding Human Being, Nature, and Existence Comprehensively." The third-year course "Constitution of India, Law, and Engineering" is pivotal in shaping students' ethical perspectives, ensuring they grasp the significance of ethics and values in every aspect of their lives—personal, social, and professional.

These courses cultivate an open environment that nurtures ethical competence and the integration of value-based decision-making. To further reinforce these principles, the institute commemorates important national and international days, including Republic Day, Women's Day, Independence Day, Teacher's Day, Human Rights Day, and International Yoga Day, instilling deep moral, ethical, and social values in its students.

2. Gender Sensitization

The college has established an Internal Complaints Committee (ICC) under UGC/AICTE guidelines.

This committee is dedicated to providing counselling services, promoting gender equity among students, and addressing issues related to the safety and security of female students, staff, and faculty. The ICC plays a crucial role in fostering a respectful and inclusive environment on campus.

To ensure the safety and well-being of all members of the college community, the campus is equipped with comprehensive security measures, including CCTV surveillance and high-level security personnel. Additionally, the college offers separate on-campus hostels for boys and girls, creating a secure and supportive environment where students can focus on their academic and personal growth.

3. Environment & Ecology

The courses “Environment & Ecology” & “Renewable Energy Resources” related to ecosystems are an integral part of the curriculum. The university prescribed this course to create awareness and develop the importance of the environment among students. Awareness about the Environment is necessary for the protection of the environment and the survival of human life. The basic aim of this subject is to make the students aware of the importance of the ecosystem to human life.

The College has an integrated rainwater harvesting System along with STP. The wastewater is reused for gardening on the college campus. The STP water is also used for floor cleaning and washing purposes. There is an extensive ongoing tree plantation program. College celebrates the days of national importance, such as Earth Day, Environment Day, and Ozone Day. The college organizes workshops/seminars on eEnvironment & Ecology to make students aware of the efficient use of natural resources.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 70.02

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 1810

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 80.38

2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2023-24	2022-23	2021-22	2020-21	2019-20
775	815	529	501	322

2.1.1.2 Number of sanctioned seats year wise during last five years

2023-24	2022-23	2021-22	2020-21	2019-20
900	840	720	660	540

File Description

Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 49.67

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2023-24	2022-23	2021-22	2020-21	2019-20
236	250	165	163	95

2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
450	420	360	330	270

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio

2.2.1

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 18.2

2.3 Teaching- Learning Process

2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

ABES Institute of Technology provides an effective platform for students to develop a test skills, knowledge, attitude, values to shape their behavior in the correct manner. All departments conduct innovative programs which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and ensure participative learning. The Institute adopts the following student centric methods which are central to the Outcome-Based Education (OBE)

- **Experiential Learning**

Students gain experiential learning, partly through the curriculum itself, by making projects/models to carry out minor and major projects. Apart from this, students also gain from **practical sessions in Laboratory Courses** by doing **Major/Minor project work**. In addition, **Value Added Courses/Certificate Courses** are also conducted to give practical and real insights into the latest technologies. All Students undergo **Industrial visits/Internships** to gain experience, learn new skills, add value and earn hands-on experience. **Field work/surveys** are mandatory in the learning experience of civil department students. **Workshops** are also conducted for enhancing the knowledge of students. In addition to all, Students are encouraged to be a part of Add-on Courses **MOOC/Certificates** on latest technologies with NPTEL, ICT-IITK, Coursera etc.

- **Participative Learning**

Our Career Research Centre (CRC) encourages and trained the students to participate not only **technical competition** but also in **Group Discussions** and **Mock Interviews**. We also conduct Technical Presentations (PPT) and Video Demonstrations of projects as per the curriculum. **Student chapters/Clubs** like ISTE, IICHE, Rubix Club and Cultural Club etc. provide students with the opportunity to mentor their peers and help them in realizing their potential and dreams. The clubs aim to promote creativity, enhance technical and non-technical know-how, productivity, and holistic development of the students. Through our association and **MoUs**, Institute conducts time-to-time **Expert Lectures/Seminars** for the students to increase their participative learning experience. Various activities are conducted in Code-chef, skill-rack etc. where our students participate, learn and win.

- **Problem Solving Methodologies**

The problem-solving ability is further made perfect by incorporating different questions on different topics in **Quizzes** for internal assessment examinations. The special interest group (SIG) activities, participating in various competitions like **Hackathons, Hacknovate** (Online Coding Platform)-inter college competition, **Ideathon** and in reputed conferences, getting associated with sponsored projects of faculties and **publishing technical papers** in journals impart enhanced learning experience on task/problem/project based.

- **ICT Enabled Teaching**

ICT Enabled teaching includes **internet-enabled class rooms with LCD, Language Lab, and E-learning resources** (e-library / NDLI/ DELNET, MYLOFT etc). Virtual classroom facilitates the guest lecture of eminent persons to develop their core knowledge in the subject. Auditoriums are equipped with LCD projectors for seminars and workshops. Communication skills' training is provided to students during Language lab sessions. **Online references, lecture talks, motivational talks, educational**

videos, and web references support the teaching-learning process. The institution has installed **Wi-Fi** on the campus to support the educational activities of the inmates.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 92.09

2.4.1.1 Number of sanctioned posts year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
156	138	122	113	116

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 22.9

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
41	42	22	17	14

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

A. Process for internal semester question paper setting and evaluation and effective process implementation Initiatives

- 1.The Assignment, Class Tests (CTs) and Sessional Test (ST) are the continuous performance assessment tools designed to assess student's engineering knowledge and problem solving ability.
- 2.Internal examinations (CTs/STs) are conducted centrally as per the guidelines issued from Controller of Examination (CoE) of the institute according to the Academic calendar issued by office of Dean (A).
- 3.Group of faculty members teaching any same course is required to submit Question Papers for the course in prescribed format.
- 4.Moderation Committee reviews the question papers thoroughly to avoid any mistake and afterwards, the corrected question paper is submitted to CoE.
- 5.The coverage of the syllabus in each CT is based on the COs covered in that duration.

B. Quality of student projects

Project allocation is finalized in the 5th semester and one copy of the list of allocated projects is submitted to Dean (Academics) office before the end semester examination. Department follows the Institute's policy for project identification and allocation as mentioned below:

- 1.At the initial stage Project Committee is formed which constitutes the following members:

HOD/Senior Faculty members and Project Coordinator (s).

2. Project proposals are invited from faculty members. The project proposals are considered from different categories, such as research based, product or application based and projects relevant to environmental and societal needs. Projects of **interdisciplinary** in nature are also welcome.
3. Projects proposals received from faculty members are screened by the Project Committee in view of coverage of different categories addressing POs & PSOs, and considering project feasibility.
4. The Project committee thereafter communicates the list of screened projects to the students through Notice Boards and e-mails.
5. Project committee sends instructions to the students for formation of groups of 3-4 students as per their choice. The announcement of the groups is done through the Notice Board and e-mail.
6. Projects are allocated to the students' groups as per their interests shown on First Come First Serve (FCFS) basis. However, if any group of students wishes to do a project, other than the project list shared by department, then the group can approach to Project Committee for approval and allocation of project/supervisor.
7. For the continuous monitoring and assessment an Evaluation Committee comprising faculty members, Project Coordinator (s), and Supervisors is formed. Project committee conducts presentations in each semester to monitor the project progress.

C. Grievance redressal mechanism

The cases are first reviewed by the HoD and if needed are forwarded to the appropriate committee for resolving the issue. However, the individuals have liberty to report their cases directly to the grievance redressal committee. After review and investigation, the committee puts up their recommendations/suggestion to the higher authority to take appropriate decisions. The institute has various committees to look into different kind of issues related to discipline and grievances of faculty, staff and students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

ABES Institute of Technology follows the outcome-based education; hence the Program Educational Objectives (PEOs), Program specific outcomes (PSO) are defined by each department. For defining the PEOs and PSOs we follow the consultative process involving the stake holders and are in lined with the vision and mission of the college and department as well as the Program Outcomes/ Graduate Attributes.

Programme and Course outcomes for all Programmes offered by the institution are stated and displayed on website. The process is explained below:

- Formation of Institute vision and mission.
- Formation of department vision and mission in-line with institute vision and mission.
- Taking the views from all stakeholders (Director, Deans, HoDs, Faculties, Students, Alumni, Parents, Employers and senior academicians).
- Summarized these collective views.
- Discussion on acceptance or need to be revision.
- Finalization of PEOs.

We follow the Program Outcomes (POs) defined by National Board of Accreditation (NBA), New Delhi. The Course Outcomes (COs) for each subject is available in university syllabus or defined by concerned subject faculty coordinator in consultation with other faculty teaching the same subject, Module coordinator and HoD.

The POs, PEOs, PSOs and COs are available on college website and are also communicated to students, teachers and other staff by displaying at following location:

- Display on the notice board of the department
- The Official college Website (www.abesit.edu.in)
- HOD room
- Staff rooms
- Class rooms
- Department Notice Boards
- Laboratories
- Department Libraries
- Course File and Lab Manual

The COs are also disseminated to students through faculty members during the beginning classes in each semester and from time to time during the entire semester.

COs attainment:

Evaluation processes of the attainment of Course Outcomes (COs) of all courses with respect to set attainment level is as follows:

- The subject in charge of each course refers to the outcomes shared by the university and develops/finalizes the Course Outcomes (COs) by matching the syllabus along with the content and verified by Module coordinator & HoDs.
- Each question in sessional test is mapped with a particular CO.
- Target percentage for the CO Attainment is set as for every session by the Program Advisory Board.
- The attainment of CO is evaluated on the basis of internal (Sessional tests, class tests, assignments and feedback) and external marks of each student.
- For each CO, attainment level is calculated by using 30% of external evaluation + 50% of sessional evaluation + 10% of assignment + 10% of feedback.
- Percentage of CO = (Marks obtained for CO / total attempted marks for CO) * 100.

- The attainment levels are specified by the CO-PO-PSO mapping average for each subject.
 - Attainment Level 0: If below 60% students scoring more than target percentage.
 - Attainment Level 1: If 60%-69.9% students scoring more than target percentage.
 - Attainment Level 2: If 70%-79.9% students scoring more than target percentage.
 - Attainment Level 3: If above 80% students scoring more than target percentage.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

- **Attainment process of Course Outcomes**

The assessment of course outcomes are through internal and semester examinations, assignments, Seminars, Projects, Viva voce. The internal questions are set with respect to blooms revised learning level where each question is mapped with Course outcome. Program shall have set Course Outcome attainment levels for all courses. Attainment of COs in a course is set as 30% from Continuous Internal Assessment and 70% from end-semester examinations.

- **Attainment of Program Outcomes and Program Specific outcomes**

PO/PSO assessment is done by giving 80% weightage to direct assessment and 20% weightage to indirect assessment. **Direct assessment** is based on CO attainment where 70% weightage is given to attainment through university exam and 30% weightage is given to attainment through internal assessments. **Indirect assessment** is done through program exit survey, alumni survey and employer survey. In ABESIT, all direct and indirect assessment tools are used by all faculty members of all programs throughout the semester. The attainment of course outcomes is computed by all faculty members for their respective courses through direct assessment tools with a weightage of 80% and various surveys with a weightage of 20%. The HoD of each program collects this information from the subject faculty and computes the attainment of POs.

Attainment level is to be measured in terms of student performance in internal assessments with respect to the Course Outcomes of a course and in university examination. COs are mapped with POs in Matrix form. Correlation levels 1, 2, 3 are defined as low, Moderate, & High, respectively. “-” or blank is used if there is no correlation. The target level and level of attainment for any subject will be based on the previous year’s attainment and finalized by the concerned subject faculty. Two methods are adopted for attainments are as:

1. Direct Methods represent the student's knowledge and skills from their performance in the continuous assessment test, semester examinations, assignments/quiz/group discussion, and lab practical - to assess practical knowledge.

- **Attainment of POs and PSOs is calculated using following two tools:**
 - The calculated CO attainment.
 - The CO-PO-PSO matrix.
- Assessment Process for evaluation and assessment of POs and PSOs

The POs are difficult to measure such as assessing, critical thinking, creativity, analytical skills, and problem solving etc. Therefore, department has developed the evaluation sheet (Rubrics) to assess the POs and PSOs attainments. Rubrics are used for assessing the outcomes so that faculty is able to assess the student progress and maintain the record of the same for each student. Rubrics are evaluated for student performance criteria, weightage and attainment.

2. Indirect methods: To assess the attainment of POs and PSOs, the following particulars are taken into account:

- Program Exit Survey: It is obtained by students who have graduated in current academic year.
- Alumni Survey: This feedback about Program, Department and College is given by Alumni.
- Co-Curricular/Extra-Curricular Activities: It is obtained by the participation and winning records of students in various co-curricular and extra-curricular activities in current academic year.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 91.91

2.6.3.1 Number of final year students who passed the university examination year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
459	305	360	340	364

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
537	331	374	370	377

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.7 Student Satisfaction Survey

<p>2.7.1</p> <p>Online student satisfaction survey regarding teaching learning process</p> <p>Response:</p>	
File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 13.95

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

2023-24	2022-23	2021-22	2020-21	2019-20
1.5	0	2.93	3.69	5.83

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

ABES Institute of Technology (ABESIT) is strengthening and streamlining the innovation and entrepreneurial ecosystem on campus that will be instrumental in leveraging the potential of science, **students' creative problem solving**, and **entrepreneurial mindset**, and **promoting strong intra and inter-institutional partnerships with different stakeholders**. Entrepreneurship is increasingly recognized as an important driver of economic growth of a country. Even Govt. of India has recognized the importance of entrepreneurship and has introduced programs like "Make in India" & "Start-up India". For this we have:

- 1. Institution's Innovation Council (IIC):-** ABESIT established IIC with support of AICTE in 2019. IIC motivate faculty and students to think regarding Innovation at national and international levels. Part of IIC we have been **conducting various workshops on innovation and entrepreneurship activities**, like **design thinking**, **intellectual property**, field visit to find

problem statements from local and global organizations. Interaction and demonstration conducting by Successful entrepreneurs/ Start-up founders to enhance the skills of students and faculty to convert their budding ideas into start-up. Various **Hackathons are organized** under IIC to promote students participation. The cell takes care to imbibe the innovation, entrepreneurial skills and overall personality development for students. Website for the IIC: (<https://www.abesit.in/iic>)

2. **Incubation Centre:** -The College hosts startups that have emerged from this vibrant ecosystem. These startups are not only a testament to the entrepreneurial spirit nurtured at ABESIT but also reflect the practical application of theoretical knowledge. There are **4 Startups** which are operational in ABESIT premises i.e. **Indibus, Drifko, Campaigning Source and IdeationX**
3. **Centre for Excellence:** - ABESIT has also established a Center for Excellence to promote research and development. This center serves as a hub for scholarly activities, bringing together faculty and students to engage in pioneering research across various disciplines. The Center for Excellence is equipped with state-of-the-art facilities and resources, enabling researchers to conduct high-quality studies.
4. **Faculty Development Schemes:** Recognizing the critical role of faculty in shaping the future of students, ABESIT has implemented an incentivized Faculty Development Scheme. This scheme gives financial support and resources for faculty members to pursue advanced studies, attend conferences, and participate in professional development programs. By investing in the continuous learning and growth of its faculty, ensures that its educators are well-equipped to impart cutting-edge knowledge and skills to students.
5. **Hackathons:** HACKNOVATE is a nationwide initiative by ABESIT in association with Institution Innovation Council (IIC). It is a competition of ideas that amalgamates the best of coders, engineers, architects, designers and business visionaries of the forthcoming time. The mission of the event is to provide a platform where the best of the talent and innovation can meet to create the most innovative solutions. Website for the Hacknovate: <https://www.abesit.in/hacknovate/>
6. **IPR Cell:** One of the most significant achievements of ABESIT is its impressive portfolio of 12 registered patents. These patents span various domains, showcasing the innovative capabilities of the college's students and faculty. The process of securing patents involves rigorous research, development, and legal procedures, underscoring the college's commitment to protecting and commercializing intellectual property.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 76

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on

Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2023-24	2022-23	2021-22	2020-21	2019-20
17	19	8	22	10

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards**3.3.1**

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.42

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
25	30	20	23	12

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.3.2

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**Response:** 0.54**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
67	46	14	11	3

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4 Extension Activities**3.4.1**

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

ABES Institute of Technology, Ghaziabad is not only committed to academic excellence but also to the holistic development of its students and the upliftment of the surrounding communities. Through initiatives like the Unnat Bharat Abhiyan (UBA), Indian Society for Technical Education (ISTE) and Lightdeliteracy (NGO), ABESIT has been at the forefront of fostering leadership, community service, and sustainable development. They are:

1. Unnat Bharat Abhiyan (UBA): Under the national initiative Unnat Bharat Abhiyan (UBA), **ABESIT has adopted five villages** with the aim of contributing to their development and upliftment. **This program reflects the college's commitment to social responsibility** and its efforts to bridge the gap between urban and rural areas. UBA at ABESIT is involved in a multitude of activities designed to improve the quality of life in these villages by doing **Book Distribution** in which we recognize the importance of education, and to **provide educational resources** to children in the adopted villages. This

initiative helps in fostering a love for learning and ensures that students have access to the necessary study materials. Another practice that we follow is that we **honor the Young Achievers** in collaboration with NGOs, college organizes events to honor and encourage young achievers in the villages. These events celebrate the talents and accomplishments of children, motivating them to pursue their dreams. To promote literacy and critical thinking, essay writing competitions are held on various themes such as **Mission Shakti, National Pollution Day, and World Environment Day**. These competitions encourage students to express their thoughts and ideas on important social and environmental issues. Our college also engages with the village communities by celebrating festivals like Diwali, Independence Day and Republic Day

2. ISTE Chapter: ABESIT is dedicated to enhancing the **leadership qualities** and **technical skills** of its students. By organizing leadership talks and sessions, ISTE provides a platform for students to interact with industry leaders, academicians, and entrepreneurs. These sessions are designed to inspire students, broaden their perspectives, and equip them with the skills needed to excel in their careers. **Leadership talks** cover a wide range of topics, including innovation, **entrepreneurship, professional ethics**, and the **latest technological advancements**. By bringing in experts from various fields, ISTE ensures that students gain valuable insights and are prepared to tackle real-world challenges. These interactions also provide networking opportunities, helping students build connections that can benefit them in their professional journeys.

3. NGO: ABESIT’s efforts extend to raising awareness about critical social and environmental issues. Through various campaigns and events, the college educates students and the community about the importance of sustainability, pollution control, and social justice. National Pollution Day and World Environment Day are the significant events in the college calendar, marked by activities such as tree plantation drives, cleanliness campaigns, and awareness workshops. Students actively participated in slum kid’s education programs which run throughout the year in collaboration with NGO – Light the Literacy. The web link of NGO is www.lightdeliteracy.com. ABESIT is setting a benchmark for other institutions in the realm of community service and leadership development.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

ABES Institute of Technology (ABESIT) prides itself on fostering an environment of academic excellence and innovation, which is reflected in the numerous accolades received by its students and faculty. Through various government and institutional initiatives, ABESIT has established itself as a premier institution dedicated to the holistic development of its academic community. Our students have

consistently excelled in various competitions and initiatives, receiving prestigious cash prizes under schemes sponsored by the All-India Council for Technical Education (AICTE) and the Ministry of Human Resource Development (MHRD). These awards recognize the ingenuity, hard work, and dedication of the students, as they showcase their projects and solutions to real-world problems.

The AICTE and MHRD schemes are designed to encourage innovation and entrepreneurship among students. By participating in these initiatives, ABESIT students have demonstrated their ability to think critically and creatively. These achievements not only bring honor to the individuals but also enhance the reputation of the institution, inspiring future students to strive for excellence.

ABESIT faculty members have made significant contributions to academia and industry, often being invited to serve as session chairs for conferences organized under various prestigious programs such as the Technical Education Quality Improvement Programme (TEQIP), MHRD, and the Ministry of Information and Communications Technology (MIC). Serving as session chairs, these faculty members have facilitated discussions on cutting-edge research and technological advancements.

Additionally, ABESIT faculty have been honored with the title of mentor under government-recognized bodies. This role involves overseeing and implementing various academic and research programs, ensuring they meet the highest standards of quality and relevance. The appointment as coordinators reflects the trust and confidence that these bodies place in the faculty's capabilities and leadership.

ABESIT faculty members are also actively involved in Faculty Development Programs (FDPs) under the National Assessment and Accreditation Council (NAAC), the National Board of Accreditation (NBA), and the Institution's Innovation Council (IIC). These programs are crucial for the continuous professional growth of educators, equipping them with the latest pedagogical techniques and knowledge in their respective fields.

As speakers for these FDPs, ABESIT faculty share their expertise and experiences, contributing to the professional development of their peers across various institutions. These engagements not only highlight the faculty's command over their subjects but also their commitment to fostering a culture of continuous learning and improvement.

The numerous awards and recognitions received by ABESIT faculty and students are a testament to the institution's dedication to excellence. These accolades reflect the high standards of education and research at ABESIT, as well as the institution's commitment to nurturing talent and fostering innovation.

ABES Institute of Technology's achievements in student and faculty development are a source of immense pride for the institution. The recognition received under various government and institutional schemes underscores the quality of education and the innovative spirit that ABESIT fosters. By continuing to support and celebrate the accomplishments of its academic community, ABESIT is committed to maintaining its position as a leading institution in the field of higher education.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 122

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
56	37	9	17	3

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.5 Collaboration**3.5.1**

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 33

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

The Institute campus, spanning **48,474 square meters**, offers extensive facilities that support academic and extracurricular activities. It includes **19 laboratories, 33 classrooms, 22 ICT-enabled classrooms and labs, 02 seminar halls** with capacities of 100 and 50, an **auditorium seating 300**, and an **amphitheatre** accommodating over 2,500 people.

- **Classrooms** are well-ventilated, spacious, and equipped with multimedia projectors, podiums, blackboards, Wi-Fi, and charging points. All these classrooms are **technology-enabled** with seating capacity of 30/90. 800Mbps internet speed available for effective teaching and learning. 19 laboratories seating of 30/60/90 comply with AICTE and AKTU norms, offering practical knowledge as per university curriculum and hands-on training beyond the syllabus.
- **Seminar halls** and the **conference room**, equipped with LCD projectors, whiteboards, and audiovisual tools, promote active participation in academic and co-curricular activities. Meeting rooms provide dedicated spaces for productive meetings. The **amphitheatre**, seating over 2,500, stimulates learning experiences and encourages participation in academic and cultural activities. The **auditorium**, seating 300, is equipped for academic and cultural events, offering students lifelong learning opportunities through cultural clubs like ZEN, AAYAM, and KALRAV. The multipurpose hall caters to various functions, including multimedia presentations, stage productions, physical education, and dining services.
- **The Yoga hall** accommodates 120 students, supporting physical and mental health with a well-ventilated, spacious, and hygienic environment.
- With seating for 126 people, the **Central library** occupies 8,230 square feet and has about 45272 text and reference books in addition to numerous national and international publications. It is fully air-conditioned, monitored by CCTV, and protected with fire equipment.
- A **Cultural activity/music room** supports the annual cultural function, providing space for practicing, teaching, and performing music, with storage for sheet music and instruments.
- The **Incubation cell** fosters innovative, product-oriented ideas from students and faculty, while the **IPR cell** raises awareness about intellectual property rights among stakeholders. **The Training and Placement Cell (TPC)** facilitates interaction between students and companies, helping final-year students secure jobs and providing occupational training in communication, time management, and stress management. The **Canteen**, with modern infrastructure and a capacity for 200 students, offers healthy, hygienic food, including snacks, breakfast, and lunch. The medical room provides health care with a full-time nurse and free medicines, ensuring

students receive immediate attention and transport to nearby hospitals if needed. An emergency alarm system ensures safety during emergencies.

- The **Examination cell** manages all examination processes, including result analysis and record-keeping, while the IQAC aims to improve academic and administrative performance. Faculty and staff benefit from a well-designed residential colony with recreational facilities. Separate hostels for girls and boys accommodate 181 and 324 students, respectively, with single and double sharing rooms. A **Girls' common room** provides a space for relaxation and informal discussions. A well-equipped **Gym** and **playground of Cricket/Football, Volleyball, Basketball, Badminton**, promotes fitness, and ramps enhance accessibility for manoeuvring wheelchairs and trolleys. The campus includes sports facilities for volleyball, football, badminton, basketball, cricket, and indoor games like pool, chess, carrom, and ludo, with four lifts in the academic blocks ensuring smooth operations and accessibility for disabled individuals.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 23.68

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2023-24	2022-23	2021-22	2020-21	2019-20
532.54	652.40	529.16	3.53	71.1

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

The library at ABES Institute of Technology is central to the institution's teaching-learning process, serving as a vital academic resource hub. Covering over **8,230 square feet**, this well-furnished and well-equipped facility is staffed to effectively meet the diverse needs of its users. The library houses an extensive collection of over **45,272 books** across multiple disciplines, providing a comprehensive resource base for students, faculty, and staff. **A key feature of the library is its automation**, which is driven by the Integrated Library Management System (**ILMS**) known as Software for Institutional Management (SIM). This sophisticated software package includes all the necessary modules for efficient housekeeping operations, enabling users to conduct multidisciplinary searches within the library's online catalog through the SIM OPAC system.

In its pursuit of a paperless environment, the library has fully automated its operations since 2007, utilizing the G-5 version of SIM. Beyond its physical collection, the library is a member of the National Digital Library of India (**NDLI**), granting access to an extensive digital repository of over 76 lakh e-books. The Central Library further supports its users by subscribing to 12 magazines and 6 newspapers, and maintaining a collection of more than 3,765 CDs and DVDs.

To enhance digital access, a separate Digital Library has been established, offering more than 19,386 e-books and 2,675 e-journals from prominent publishers such as IEEE, Elsevier, Springer Nature, ASCE, ASME, Emerald, Taylor Francis, J-Store, and McGraw Hill. These digital resources are available to users through the Nalanda E-Consortium membership, signed under AKTU, and can be accessed remotely, ensuring availability even outside the library's physical space.

The library's website (<http://abesit.in/library/>) further improves the visibility and accessibility of its services and activities, making it easier for users to connect with the library's offerings. The library also provides a Wi-Fi-enabled reading area and 20 computer terminals for internet access, enhancing the study experience. Additional services include OPAC, reference assistance, user guidance, circulation services, archives, reprographic services, digital cyclostyle, scanning, Current Awareness Service (CAS), Selective Dissemination of Information (SDI), news clipping services, and more, catering to a wide range of academic needs.

The library is secured with 11 CCTV cameras and is equipped with fire safety measures, ensuring a safe environment for all users. Additionally, the library is designed to be disabled-friendly, featuring a ramp facility for easy access. To ensure the collection remains relevant and up-to-date, the library regularly adds new books and journals, which are considered the lifeblood of its operations.

The average daily usage of the library for the 2023-24 session is recorded at 144 users per day, with entries tracked through the SIM software. This figure, calculated by dividing the total number of users by

the number of working days in the year, underscores the library's significant role in supporting the academic community at ABES Institute of Technology, reflecting its essential contribution to the educational ecosystem. The library occupied with DrillBit Extereme Anti Plagiarism Software for check and prevents plagiarism.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

The institute has embarked on a comprehensive upgrade of its facilities to align with the rapidly evolving technological landscape, particularly in the areas of Information Technology. Recognizing the importance of keeping its infrastructure current, the institute has made significant investments in hardware and connectivity to support the educational needs of both students and faculty. Among the key upgrades, 100 HP desktops, each equipped with an Intel i5 processor, 8GB of RAM, and a 512GB SSD with inbuilt Wi-Fi card, were procured to enhance the computer labs, which are critical for CS/IT lab work and project-based learning. Complementing this, 60 Dell desktops with similar specifications (i5, 8GB RAM, 256GB SSD) were also purchased to further augment the lab's capacity. The institute did not stop there; to support more demanding tasks, an additional 40 Dell desktops, featuring an Intel i7 processor, 8GB of RAM, and a 1TB HDD, were acquired, providing students with the computing power necessary for complex computational tasks. Recognizing that older systems could still be leveraged effectively, the institute upgraded the RAM in 70 existing PCs by an additional 2GB, bringing their total memory to 4GB, thereby extending their usability and ensuring they remain capable of handling modern software requirements.

To protect these critical resources from power interruptions, Online Uninterruptible Power Supply (UPS) units were strategically installed in key areas, including the **Language Lab**, **NVIDIA Lab**, and Server Room, ensuring that these vital facilities remain operational even during power outages. The learning experience was further enhanced by the installation of 11 interactive flat panels across various classrooms, labs, and meeting rooms, which facilitate more engaging and interactive educational sessions. Additionally, 14 projectors were installed to improve the visual presentation capabilities in these spaces.

Connectivity, a crucial aspect of modern education, was significantly enhanced with the installation of 50+ wi-fi access points throughout the campus. These improvements ensure that students and faculty have seamless access to high-speed internet, which is provided by C.J. Online Pvt. Limited at a robust 800 Mbps. This fast and reliable internet service supports a wide range of academic and administrative functions, including the hosting of all institute email accounts on Google's platform, which offers secure and efficient communication channels. To further secure the campus, new CCTV cameras were installed, along with a Network Video Recorder (NVR) and a Digital Video Recorder (DVR), providing comprehensive surveillance coverage that enhances the safety of both students and staff.

In addition to these, the institute also addressed the printing and document management needs of its faculty by installing 12 Laser Jet printers in the offices of department heads, ensuring that high-quality, reliable printing is readily available for administrative and academic purposes. These extensive upgrades reflect the institute's unwavering commitment to creating a cutting-edge technology-driven educational environment to exceeds the expectations of modern learners. By continuously enhancing its infrastructure, the institute ensures that it remains at the forefront of educational innovation, providing students and faculty with the tools and resources they need to succeed in an increasingly digital world.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 4.89

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 529

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 66.77

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)

2023-24	2022-23	2021-22	2020-21	2019-20
1635.81	1105.99	844.33	690.85	765.68

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 28.17

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
735	715	410	329	508

File Description

Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

- 1. Soft skills*
- 2. Language and communication skills*
- 3. Life skills (Yoga, physical fitness, health and hygiene)*
- 4. ICT/computing skills*

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 54.33

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2023-24	2022-23	2021-22	2020-21	2019-20
1797	1366	702	935	402

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 79.31

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
406	255	288	265	239

5.2.1.2 Number of outgoing students year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
463	305	360	340	364

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 10.82

5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

2023-24	2022-23	2021-22	2020-21	2019-20
2	9	11	8	11

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3 Student Participation and Activities

5.3.1

Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 177

5.3.1.1 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 wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
73	63	26	0	15

File Description	Document
Upload supporting document	View Document
list and links to e-copies of award letters and certificates	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 46

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2023-24	2022-23	2021-22	2020-21	2019-20
82	79	20	0	49

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1

There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

The Alumni Association aims to link the alumni to the institution, develop synergistic plans to support the institution and achieve its vision, and enable the institute to add value to all its stakeholders. There is a registered association with main objective is to enroll all alumni as members of the association and facilitate active participation of the alumnae in appropriate activities, events, and initiatives of the institute. The ABESIT Alumni Association aim is to serve as a gateway between Alumni and the institution. ABESIT alumni association is a community, which sees that how a passed out student can get involved with the institute. This team dedicatedly works to provide guidance in every way to students and connect with them to provide all kind of technical as well as to uplift skill enhancement support.

Convocation cum Alumni meet is organized in the institute to network and collaborate with the Alumni. Our Alumni Relations work as partners to bridge the gap between the industry and academics. Alumni also support placement and continue to bring a good name to the organization. Connect with your fellow alumni-Follow us on LinkedIn and check out our alumni section where you can browse through your alumni community. Make sure in your personal information, you have selected ABESIT as the institute which you graduated from.

The website for the alumni testimonials is <https://www.abesit.in/placements/testimonials/> Alumni can connect with the help of Facebook chapter- <https://www.facebook.com/groups/1764749703810235>, or with the help of Linked In- <https://www.linkedin.com/school/abesit-college-of-engineering/people/>

Registration documents of Alumni Association is: https://naac.abesit.in/wp-content/uploads/2024/07/5.4.1_1-Alumni-Association.pdf

Alumni Association contributes significantly to the development of the institution by following ways:

- Mentorship in Smart India Hackathon projects (SIH)
- Guest Lectures
- Workshops
- Seminars
- Placement

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

ABESIT has a set of arrangements, practices with dynamic management, well qualified faculty members and technical staff to impart high quality technical education.

Institute's Vision:

To be a leading institution in technical education providing education & training enabling human resource to serve nation & world at par with global standards in education.

Institute's Mission:

- Developing state-of-the art Infrastructure which also includes establishment of Centres of Excellence in pursuit of Academic & Technical Excellence.
- Valuing workforce, inculcating belongingness & Professional Integrity.
- To develop human resource to solve local, regional & global problems to make Technology relevant to those who need it most.

In line with the vision of the Institution, the 'leadership' is committed towards continual improvement, sustained development, and nurture a culture of quality.

The **Governing Body** of the institution is responsible for ensuring effective management of the institution and for planning its future development. The members of the body are dedicated eminent personalities from Academics, Society and members designated by AICTE etc. The management believes in "**Everybody's company will help in everybody's growth**". With this inspiration the Governing Body directly interacts with the stakeholders, obtains regular feedback, and takes prompt actions based on feedback analysis. The management focuses on assigning administrative responsibilities to faculty members and non-teaching staff scrutinizing their capabilities.

Institute has a well-designed organizational structure for involving **Director, Dean-Academics, Dean Student Welfare, Dean emerging technologies and training, Registrar, Heads of Departments, Head Research, Head Alumni relations, Examination Controller, Account officer and HR manager, Training & Placement officer, Yoga & Sports head, Club Coordinators, Cultural and Technical event coordinators** for better outcome and thus practices decentralization at all levels of decision making. Faculties' significant contributions help towards Mission to attain vision of the institute. Various heads have sufficient power for smooth conduction of work assigned to them. Students also learn and participate in governance of the Institute as club members. This overall hierarchy work

towards smooth functioning of the Institute. The institution, through its Academic Council and Governing Council is focused on creating technical human resource to serve nation & world at par with global standards.

E-governance is incorporated in areas of **administration, student admissions support, library, and examination**. Various types of feedback systems are adopted via e-governance by the institute for quality improvement. To address students' grievances, the internal complaint committee is functioning here to provide healthy environment for betterment to students.

Considering the **NEP 2020**, ABESIT emphasizes using technology in education through digital classrooms, online resources, and practical knowledge through various centers of excellence. ABESIT encourages a culture of innovation and critical thinking, supports lifelong learning and aligns with the needs of the 21st century, including the development of digital skills and environmental consciousness.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

ABESIT believes in “doing it right when no one is looking”. The ABESIT works towards quality in handling all stakeholders.

Organisation Structure:

The institution is administered by well-defined Organisational structure from Governing body to Advisory Board and Academic Council. Hierarchical clusters were created from top management down level to clearly delineate duties, responsibilities, accountability, and powers at each stage. The Director is the academic head, ensures the proper conduct of all the academic, research and extension activities.

The Institute works on strategic/perspective plan, considering the vision, mission and policies through the Governing & Academic Council meeting. The Internal Quality Assurance Cell has been entrusted to focus on various areas by internal assessment for the Institution's development. Different statutory and non-statutory committees with members from staff and faculty play crucial role in deployment of Strategic plans.

The **Strategic Plan** for the institute was developed in the year 2007. Vision, Mission, policies and plans are kept open to all stakeholders for their suggestions. The dynamic participation of the management ensures effective governance. The main objective of the strategic plan was to enhance the student's employability quotient with Holistic Development.

Appointment and Service Rules:

The Institute has defined service rules from recruitment to pay fixation, appraisals to promotion, and the talent sharpening process. Based on the requirements received from departments, the recruitment process is initiated, followed by interview for eligible candidates. An appointment letter is issued to the selected candidate which briefs the service rules, prevailing systems in the Institution, and departmental setup.

1. **Promotion Policy:** ABESIT considers that periodic promotion of employees to higher grades/positions recognizes the accumulated experience & expertise. Promotion of faculty is done as per university norms once a year.

2. **Reward & Recognition:** ABESIT has a firm belief that employees develop a kind of affiliation and attachment with the institute. The recognition practices include giving appreciation letters, enriching & enlarging the job, multiple increments in the scale.

3. ABESIT's basic philosophy and policy toward employees is to **create a Harmonious Work Environment to build Careers** -for both the teaching faculty and administrative staff. The people are taken care with the best working conditions, and good pay, providing ways for continuous learning opportunities and platforms, Guest lectures, Workshops, Seminars, Webinars and Faculty development Program etc. To motivate the faculties various faculty development schemes has been incorporated:

Ø Support for participating in Conference, Workshop, Seminar and Symposium

Ø Support for Research Publication and Patent

Ø Support for Research Grants and Consultancy Practices

Ø Support for Student Mentoring for achieving Distinction in Technical Activities

Ø Support for Increasing Qualification

4. Students Development

The institute has introduced Skill Improvement groups, emphasized on Project-Based learning, enhance MoU and associations, introduction of certificate courses, focuses on student connect initiatives and developed a startup ecosystem. Corporate Resource Centre conducts various skill development program apart from curriculum. ABESIT committed to motivate students towards innovation via Institute Innovative Cell. Institute also mentors the students to participate in various government-initiated events such as **SIH** and **Unnat Bharat Abhiyan**.

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide Link for Additional information	View Document

6.2.2

Institution implements e-governance in its operations

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

ABESIT offer a wide range of welfare benefits to both its teaching and non-teaching staff. These are-

1. The institute offers its teaching and non-teaching personnel **interest-free loans, accident**

- insurance**, and nutritious, **subsidized meals** at the mess/canteen.
2. Institute contributes towards the **Employee Provident Fund, ESIC & Minimum wages** to its nonteaching staff to the fourth-class employees too.
 3. Provide **concessional fees to employees' wards** and quarters/ flats at very concessional rates.
 4. **Interest free financial support** proved to faculty/staff **for purchasing vehicles**.
 5. There are indoor games and outdoor games for staff which they can play in their free/spare time within the campus.
 6. Benefits for **maternity leaves** are available to female employees at ABESIT.
 7. The institute offers duty leaves with institutional financial aid to faculty members who wish to engage in various development programs.
 8. In addition, the institute offers short leave, summer and winter vacations, medical/sick leave, study leave, casual leave, and privilege leave to their employees.
 9. The institute occasionally organizes Faculty/staff get-togethers, lunches, and dinners, as well as joint celebrations of all the holidays, with the goal of cultivating a multicultural, harmonious campus community.
 10. The institute conducted awareness session for **security to its female faculty and staff**.
 11. Faculty members are provided with an individual cabin and a good computing facility to facilitate a good working environment.

- **Faculty Performance Appreciation Scheme:**

1. To appreciate the faculties' efforts, a 'Faculty Performance Appreciation' scheme had been launched in the institute which based on the overall pass percentage and external average marks obtained by the students. Under this scheme, the faculty will get cash award at the end of semester.
2. ABESIT Research and Industrial Consultancy Incentive Schemes: The Primary objective of these schemes is to motivate the faculty for quality research, consultancy, and other related activities.

- **Support for Conference Participation:** The Institute encourages faculty participation in conferences and provides financial support. The request for financial assistance/support shall be routed through the Faculty Research Development Advisory Committee, which recommends the case for final approval by the Management.

- **Institution Performance Appraisal System for Teaching staff:** Faculty members get self-appraisal form from HR department and submit it to head of department within stipulated time period. Parameters for filling appraisal form based on academic performance, student feedback, Research like paper/book/article presented or published in journals/conferences and grant received etc. HoDs assess the self-assessment forms filled by faculty members and discuss with faculty on performance aspects wherever required. HOD mentions comments about faculty performance and submit to HR department. Appraisal meeting is scheduled by director's office with respective HOD's, Director reviews the performance of faculty member in one-to-one interaction, HR consolidates the performance of the faculty on an annual basis and classifies them into exemplary/ outstanding/well-above average etc. and also identifies low-performing faculty (under the guidance of the Director). A duly constituted committee of specialists would advise the kind of motivation to be given to the faculty; after approval by the competent authority.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.3.2

Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 13.97

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
37	37	7	2	0

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 52.14

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
67	73	108	139	88

6.3.3.2 Number of non-teaching staff year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
100	94	46	27	50

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

The ABESIT has a well-defined mechanism to monitor effective and efficient utilization of available financial resources for the development of the academic processes and infrastructure development. The rules have been designed for funds and optimal resource utilization with the direction of management and director. The director, account officer and purchase committee/ department ensure that expenditure

should be limited to allotted budget. The account officer is responsible to maintain all records of income and expenditure every year. The revenue generated and expected expenditure analysis is done, and accordingly necessary modifications are done in allocated budget.

Fund Mobilization:

1. **Fees Collection:** In ABESIT the funds are generated through the fees paid by the students. The fees include hostel fees, tuition fees etc.
2. **Funds from Government and non-government sector:** Additional funding is obtained by faculty members through Research proposals. These funds are utilized for the research and laboratory development.

Institutional budget is prepared by Accounts department every year taking into consideration of recurring and non-recurring expenditures.

Funds and Resource Utilization:

Accordingly, all the administrative, academic and non-academic heads (R& D Cell, Exam Cell, T&P Cell) are requested to submit the budget required budget for the subsequent financial year. All the major financial decisions are taken by the Director and Accounts department with Management of Institute. Urgent requirements are sanctioned by the head of the Institute.

All the major financial transactions are analysed and verified under following sections:

- Research & Development
- Training & Placement
- Software & Internet charges
- Library Books / Journals
- Repair & maintenance
- Printing & stationary
- Equipment & Consumables
- Furniture & Fixtures

Institute adheres to Utilization of budget approved for academic expenses and administrative expenses by management. After final approval of budget, the purchasing process is initiated by purchase department.

Audit is an important part for the functioning of the Institute. In ABES Institute of Technology a mechanism for conducting **internal and external audits** has been established to ensure finance compliance. Internal audit is conducted by well qualified account professional monthly. An external audit is conducted once a year by a qualified Chartered Accountant Firm.

The Internal Audit of the Institute makes a thorough audit of the expenditures of the institute. The Audit Department/ Audit Team works under the direct control and supervision of the Financial Advisor of the ABESIT Group of Institutions.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

The IQAC is established in the Institute, to work towards quality education and inculcating quality culture among the students and staff. The IQAC has also contributed towards institutionalizing the quality assurance strategies and developed various processes. IQAC fosters many activities to create awareness of quality assurance strategies and processes.

To ensure the efficient functioning of IQAC, the IQAC conducts regular meetings and keep its record and suggest improvements required if any. Other than these initiatives IQAC works on improving the teaching-learning process and supports adopting Outcome-Based Education (OBE) in all programs of institute gradually. A result oriented, performance-based model is adopted at ABES Institute of Technology that emphasizes accountability based on student learning. Outcome-based education aims to create a student-centric learning environment at the course level including curriculum and training.

IQAC has contributed significantly institutionalization the quality assurance and processes, the following two practices are the result of IQAC initiatives:

- 1. Students' Recognition Program:** This practice aims to inspire students, non-teaching staff, and teaching staff at the institute to achieve in their areas of expertise by expressing gratitude for their hard work. To fulfil the institute's vision and mission, this approach would guarantee that its performance would continuously develop under the quality policy. There are so many programs like Internal Hackathon, B Plan Box, activities under ISTE chapter etc. cash money, certificates of gratitude and keepsakes are used as the form of award.
- 2. Hacknovate:** This event aims to provide students a platform to develop ideas leading to innovative products, thereby solving real problems of daily life. We desire to inculcate a culture of product innovation among our students. Hacknovate is a nationwide initiative by ABES Institute of Technology, Ghaziabad, associated with the Institution Innovation Council (IIC). It is a competition of ideas that amalgamates the best coders, engineers, architects, designers, and business visionaries of the future. Cash Money, certificates of gratitude and keepsakes are used as the form of award.

The IQAC assesses and acts to enhance the caliber of the teaching-learning process on an ongoing basis. Additionally, the IQAC established the following processes and helped institutionalize quality assurance

strategies:

1. Encourage industry participation in academic practices by planning workshops, industry visits, industrial training, industry guest speakers, MOUs, etc.
2. Pay attention to and evaluate each program's outcome-based learning curriculum.
3. Review and concentrate on the soft skill and aptitude classes for students to improve their employability and personality.
4. Examine the ecosystem that ABESIT established and emphasize the importance of future planning to ensure its sustainability and growth.
5. Examine and concentrate on the various procedures to get input and conduct stakeholder surveys.

Aside from this, the IQAC endorses the implementation of Outcome-Based Education (OBE) in all programs and reviews and concentrates efforts on enhancing the teaching-learning process. In cooperation with educators, business leaders, and other stakeholders, each program prepares course outcomes, program-specific outcomes, and program outcomes that adapt from NBA while taking Bloom's taxonomy into account.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

Keeping in mind the promotion of gender equity, Institute has constituted various internal committees -

- **ICC (Internal Complaint Committee)** has been constituted to deal with the issue of gender-based violence and to conduct gender sensitization programme. It is working as per UGC (Prevention, Prohibition and Redressal of Sexual Harassment of Women Employees and Students in Higher Educational Institutions) Regulations, 2015.
- **Women Grievance Cell (WGC)** is the integral part of ICC. It was constituted to promote a healthy working environment for all female Faculty/Staff & Students. Various activities conducted under WGC for awareness few of them are as-
 - Webinar on Awareness Session on Mission Shakti - 24th August 2021
 - Essay writing competition on “???? ??? ????? ????????? ??????????? ???? ??????? ?? ?????? ”- 30th August 2021.
 - Webinar on “Role of Women Entrepreneurs towards the growth of Indian Society” - 27th September 2021.
- **Pink Zone Society** is the initiative of ICC and has been formed with the intent of organizing various gender equity programmes. Its goal is to give young ladies a chance to become self-assured, competent, and prosperous professionals. It offers general grooming, a network of resources and support, and training for their personal growth.
- **Safety and security:** The campus and hostel are under **24*7 CCTV surveillance** and **guards** are deployed all around the campus.
- **Common Room** is available exclusively for girls which is equipped with furniture for proper sitting.
- **Hostel accommodations** are provided separately for boys and girls with CCTV cameras positioned across the premises. Institute’s Girls’ Hostel has a female warden and a faculty member as an assistant warden. For any medical emergency, an Ambulance remains available 24x7 on campus.
- **Medical Cell** with the availability of Doctor in ABESIT campus where student, faculty or staff can seek the medical aid. Ambulance is also available.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.1.2

The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1. Green audit / Environment audit**
- 2. Energy audit**
- 3. Clean and green campus initiatives**
- 4. Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

ABESIT takes great attention in providing an inclusive environment with **diversity in terms of culture, region, and language, communal, socioeconomic, and other elements. Light De Literacy and Unnat Bharat Abhiyaan** are two significant programs that ABESIT has introduced to further enhance the **diverse environment**. Throughout the semester, these groups plan a variety of activities.

1. "**Light De Literacy,**" an NGO run by our college students, which provides quality education to under privileged children and fosters an inclusive environment that promotes tolerance and harmony across cultural, regional, linguistic, communal, and socioeconomic diversity by bringing together underprivileged children from various backgrounds. We are working for children living in slums since 2012 and have started working under this name since September 27th, 2014. Not only do we teach these underprivileged youngsters, but our staff also participates in numerous celebrations, including national festivals, significant festivals, teacher's day, children's day, and many others. Through community engagement and kid empowerment, this non-governmental organization promotes tolerance for diversity and lowers socioeconomic obstacles in addition to hosting cultural events and using inclusive teaching methods. This society fosters empathy, collaboration, and cross-cultural understanding, all of which lead to a more just and peaceful society.
2. "**Unnat Bharat Abhiyaan**", a Flagship Program of Ministry of Human Resource Development (MHRD), Govt. of India. Under this program following five villages have been adopted to understand living conditions in adopted villages, assess local problems and needs, workout possibilities of leveraging technological interventions and need to improve processes in implementation of various government schemes and prepare workable action plans for the

selected villages. Five villages are adopted by the college. The faculties and students associated with the UBA attend the workshops organized under the flagship of UBA. Various activities such as Medical health check-up, environment promotional activities are conducted which work towards this agenda.

3. **Festivals and important days are celebrated** with great zeal at the campus to maintain religious, social, and communal harmony. That's why our students respect different religions, languages, and cultures. Stakeholders believe that all of the staff and students are like family and that the school serves as a second home. Festivals like Diwali, Holi etc. are celebrated traditionally on the campus with the participation of all to ensure harmony among the stakeholders.
4. **Folk dance competitions, traditional dress competitions,** and fashion displays are often held to **showcase the regional uniqueness of our nation.** Students learn about the cultural and **demographic diversity** of our country through these activities, which helps them to grow in tolerance and harmony towards language, regional, and cultural differences.
5. As per our university scheme two subjects named **Indian Traditions Cultural & Society** (KNC 502) & **Constitution of India, Law & Engineering** (KNC 501) are taught to the students of 5th and 6th semester in all branches which helps to appreciate the composite nature of Indian culture and to develop among learners a feeling of love and a sense of belonging towards the nation. And also sensitizing students to the constitutional obligations: values, rights, duties and responsibilities of citizens.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.2 Best Practices

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Best Practice - 1

- **Title of the Practice**

HACKNOVATE: A Marathon on Innovation and collaboration

- **Objectives of the Practice**

1. To encourage creativity and create innovative solutions to real-world problems by focusing on solving specific challenges or creating new opportunities.

- 2.To offer a learning experience through competition, mentorship, and hands-on development.
- 3.To provide an opportunity to showcase their skills and ideas to potential investors, employers, or the broader community.

• **The Context**

HACKNOVATE is a nationwide initiative by ABES Institute of Technology in association with Institution Innovation Council (IIC). It is a competition of ideas that amalgamates the best of coders, engineers, architects, designers and business visionaries of the forthcoming time. Mission of the event is to provide a platform where the best of the talent and innovation can meet to create the most innovative solutions. The context of Hacknovate is often centered around emerging technologies, social impact, or industry-specific problems. Themes might include areas like artificial intelligence, sustainability, health tech, fintech, or smart cities. The event provides a platform for participants to apply their skills in a practical, real-world setting, while also fostering a competitive yet collaborative environment.

• **The Practice**

We started the practice in the year 2019. Since then, we are progressing with the event every year including the participation and the worth of prizes. It is

- 1.HACKNOVATE 1.0 was conducted on 18-19 October 2019 with cash prize upto 20,000/-.
- 2.HACKNOVATE 2.0 was conducted on 06-07 November 2020 with prizes worth of 50,000/-, internship offers and swag & goodies.
- 3.HACKNOVATE 3.0 was conducted on 16-17 October 2021 with prizes worth of 1.5 Lacs/-, internship offers and swag & goodies.
- 4.HACKNOVATE 4.0 is the fourth version of the successful Hacknovate series conducted on November 25, 2022. The entire pool prize was more than 1.5 lakh rupees, which included cash prizes worth Rs 42,000.
- 5.HACKNOVATE 5.0 is the fifth version of the successful Hacknovate series. Hacknovate 5.0 is a thrilling 24-hour hackathon that took place on May 10-11, 2024. The entire pool prize was more than \$100 K+ rupees.

• **Evidence of Success**

1. Every year the event is witnessing more and more registrations received from various prestigious institutions which after levels of screening shortlisted participated in mega event.

Event	Hacknovate 1.0	Hacknovate 2.0	Hacknovate 3.0	Hacknovate 4.0	Hacknovate 5.0
No of Teams Registered	53	64	250	253	2173

2.

- 3.The numbers of sponsors for the event are increasing every year. Hence the amount of award is increasing every year.
- 4.We have successfully managed to increase the time of the event earlier it was 12 Hrs. But Hacknovate 5.0 was of 24 Hrs.
- 5.We are successful in developing the culture of creating innovative ideas and prototypes. With the increased awareness more technical events like CODE-A-THON and IDEA-THON are organized

in the campus.

6. By participating and organizing the Hacknovate students are getting confident in moving forward and participating in National events. Our students are full of enthusiasm to participate in different technical events. They are among the winners of (Smart India Hackathon) SIH 2019, 2020, 2022, 2023.

- **Problems Encountered and Resources Required**

1. It was difficult to get the sponsors, mentors and judges in the early stage of Hacknovate as the event requires promotional activities and prizes which needs financial investment.
2. Participants often face the challenge of completing complex projects within a limited timeframe, leading to stress and potentially incomplete solutions hence, the time of Hacknovate 5 was increased to 24 Hrs.

Best Practice - 2

- **Title of the Practice**

Go Green Revolution: Advancing Water Management and Environmental Sustainability

- **Objectives of the Practice**

The primary objective is to plan a comprehensive and actionable framework for understanding, implementing, and promoting water conservation practices with green campus.

The main objectives are-

1. **To develop and maintain advanced water harvesting infrastructure.**
2. **To Enhance Campus Health and Environment through Strategic Plantation.**
3. **To Promote a Zero Waste Initiative for a Green Campus .**

- **The Context**

The "Go Green Revolution: Advancing Water Sustainability" initiative addresses the pressing concerns of water scarcity and environmental degradation. By actively involving various stakeholders, this initiative transforms the campus into a model of sustainable water management and eco-friendly practices. The practice aims not only to reduce water wastage but also to instill a culture of conservation and environmental responsibility within the campus community.

- **The Practice**

A. Water harvesting and Conservation

1. Water harvesting system, exist in the campus with its substantial storage capacity and deep boreholes, represents a robust solution for water conservation and management.
2. Underground water tank is present in the campus with the capacity of 2.5 lac litre water for firefighting or emergency. It addresses immediate water needs while contributing to long-term sustainability and resilience, making it a valuable asset for communities facing fire at any nearby

place can be extinguished.

3. Campus also has a septic tank with the capacity of 1.75 lac litre water filtration process.

B. Enhancing Campus Health and Environment by strategic plantation

The focus is not only planting the trees for beautification but also to cultivate a diverse range of plants. The campus has three main varieties of plants; medicinal plants such as Tulsi, Aloe-Vera, Oxygen-enhancing plants such as Bottle Palm, Arica Palm, Ficus Panda and Neem, to improve air quality, promote wellness, and support ecological balance in campus.

C. Zero waste initiative for green campus

1. To avoid use of plastic in whole campus, regular awareness among students, staff members on the hazardous impact of single use of plastics is notified.
2. The College has the tie-up with the ECOEARTH organization. The E-waste of CPU, IT equipment's and wires was picked up by the ECOEARTH and was further disposed and refurbished in an environment safe.
3. The institute prepares inhouse Bio Enzyme Chemical for plants for reducing reliance on synthetic products and minimizing environmental impact.

• Evidence of Success

The green campus is to save the environment and add the beauty to the campus; ban on plastic items, managing e-waste has supported ecological balance in campus.

1. The Institute has received National level award, "SWACHHTA" Ranking-2017 & 2018 organized by Govt. of India and conducted by AICTE.

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

ABES Institute of Technology (ABESIT) in Ghaziabad is strategically located in the National Capital Region (NCR) of India, close to Delhi and major technology hubs like Noida. This proximity offers students excellent opportunities to connect with leading IT and software companies, secure internships, and benefit from a thriving startup ecosystem. The institute's location enhances its relevance to the software industry, providing ample recruitment opportunities and fostering industry collaborations that prepare students for successful careers in technology. Institute have clearly defined mission and policies directed towards academic excellence.

The Institute vision is **“To be a leading institution in technical education providing education & training enabling human resource to serve nation & world at par with global standards in education”** We are working towards its mission by developing state-of-the art Infrastructure which also includes establishment of Centers of Excellence in pursuit of Academic & Technical Excellence.

With above Vision, the Institute strives for **360-degree academic development of students** and makes students suitable for every organizational need of the industry. Presently all eligible undergraduate programs B. Tech.-CSE, IT are NBA accredited till 30th June 2025 <https://www.abesit.in/wp-content/uploads/2023/02/NBA-letter.pdf>.

Hence, we are following outcome-based education in letter and spirit by involving all the stakeholders. As, the students are meant to serve in technical field by serving in Industry, With this objective we strive to build a seamless conduit between the industry and the Institute to provide quality technical manpower to suit every organizational need. This will facilitate good acceptability in Industry.

- **Academia-Industry Synergy Programs**

To have effective interaction with Industry, the Institute has signed MoUs with various industries such as NVIDIA Artificial Intelligence <https://naac.abesit.in/wp-content/uploads/2024/07/7.3.1-1-NVIDIA-.pdf> and Edugrad for Machine Learning in AI Center of Excellence <https://naac.abesit.in/wp-content/uploads/2024/07/7.3.12-CoE.pdf> so that students get exposure to industry standards through live projects.

NVIDIA offers industry-leading solutions combined with extensive expertise and a broad ecosystem that helps educational institutes to create or expand an AI Center of Excellence for both teaching and research needs across all disciplines. Assessing the outgrowing need for engineering education in emerging domain, we decided on setting up of an AI based CoE in association with NVIDIA for students and faculty where they'll be provided exposure to industry standards with high-quality in a competitive and challenging environment. This is the first Centre established in any private institute in Ghaziabad and we intend to extend the facility to students and faculty of all willing institutes in the vicinity.

Institute has also signed **MoU with Edugrad for Machine Learning in AI Center of Excellence** so that students get exposure to industry standards through live projects.

The institute has also taken up the initiative of training the students with the third-party agency named **Seventh Sense Talent Solution, Bangalore** in which third-year students are trained in different modules such as Aptitude, Reasoning, Communication, Group Discussions, Mock Interviews. This process of training helps the student to become industry ready and evolve in the ever-changing market of technology. The institute thrives for academic excellence and collaboration of Industry with academia to bridge the gap among them. This in return helps us to get maximum of our students to be placed in the

market, as the main goal of a student is to be placed.

Recently Institute has signed a **MoU with Anudip Foundation for social welfare, Kolkata** with the objective to impart Market Aligned training program “Placement Linked Training for Technology Job Roles” supported by Michael & Susan Dell Foundation and others.

Technical Challenges and Competitions: The institute ensures the enhancement of technical skills and practical knowledge in the student through the co-curricular activities. We encourage the student to participate and organize technical events in campus for hands-on experience and exposure to real-world challenges. Events are:

- **AAVISHKAR:** Department of Applied Science & Humanities (AS&H) under the banner of the Institution Innovation Cell (IIC) in collaboration with the ISTE students' chapter organizes the event named "AAVISHKAR" every year.
- **IDEATHON:** The goal of the IDEATHON event is to provide students a forum to showcase their talent, come up with innovative ideas, and develop practical solutions to real-world problems. This event is specifically dedicated for 2nd Year students who present their idea for any real-life problems. The competition aimed to promote awareness of scientific issues and their relevance to society, encouraging participants to develop a scientific temperament and curiosity. The winners are awarded with exciting money rewards (First Prize: INR 5000/, Second Prize: INR 3000/ & Third Prize: INR 2000/).
- **CODE-A-THON:** The goal of CODE-A-THON event is to provide students a forum to develop ideas that lead to creative products. This event is specifically dedicated for 3rd Year students. Therefore, here the students present and provide solutions to real-world issues. The winners are awarded with exciting money rewards (First Prize: INR 11000/, Second Prize: INR 7500/ & Third Prize: INR 5000/)

These events foster innovation, creativity, and problem-solving abilities by encouraging students to apply theoretical concepts to practical situations. By participating in these events students learn collaboration and teamwork, as they often work in groups to tackle complex projects. Additionally, they provide a platform for students to showcase their talents, gain recognition, and improve their confidence and communication skills. Ultimately, these events prepare students for their future careers by bridging the gap between academic learning and professional requirements.

- **Enrichment Activities:** Apart from the technical development institute also focuses on sports activities in campus by organizing sports day every year so as to promote physical fitness, relieve stress, and enhance teamwork and collaboration skills. By participating in these activities' students develop leadership qualities, manage stress, and build social connections. Sports foster holistic development by improving strategic thinking, discipline, and mental agility, while instilling a sense of college spirit and healthy competitiveness. Ultimately, these activities contribute to producing well-rounded individuals who excel academically and thrive in various life aspects. Institute also encourages students to participate in Zonal/National/International competitions.

With above submissions, we can convincingly say that we are providing an atmosphere for students to be easily acceptable to Industry with excellent academic records.

File Description	Document
Appropriate web in the Institutional website	View Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

NVIDIA ARTIFICIAL INTELLIGENCE CENTRE OF EXCELLENCE AT ABES INSTITUTE OF TECHNOLOGY

With the changing landscape of Technology and emerging needs for future engineering education, ABESIT has set-up this Centre of Excellence to help create a comprehensive ecosystem, promote research, and build an Industry-Ready talent pool. This Centre of Excellence is an outcome of Industry-Academia collaboration of ABESIT with Global industry leaders like NVIDIA, GI Ventures, Salasar Techno, Thrive DX etc. It is also the first initiative of this kind by any private institution under Dr. APJ Abdul Kalam Technical University, Lucknow, having the largest number of affiliate colleges in India.

Through this initiative, the students and faculty are getting exposure to World Class Education & Research in the game-changing, futuristic technologies, namely AI, Machine Learning, Deep Tech, 5G Technologies, Cyber-Security & Surveillance etc. The Centre of Excellence shall also support Skill Development and Make in India initiatives of Govt of India. Further, we intend to drive the research under this program to address larger social causes, which in turn shall benefits the society in various significant areas like Agriculture, Disaster Management, Technology, Medical and Healthcare etc.

Concluding Remarks :

Founded as an educational institute, ABES Institute of Technology (ABESIT) came into existence in 2007 under Ved Foundation Trust with an objective to create an environment of learning and knowledge and build intellectual manpower capable of serving nation & the world. Today ABESIT has earned the trust of the society as an Institution that nurtures student's potential enabling them to achieve their aspirations. The concept of investing all resources of the Institute for the cause of students has been an underlying feature of ABESIT Group. Along with curriculum teaching, extra-curricular and co-curricular aspects of learning are the hallmark of the Institute.

Infrastructure wise, ABESIT Campus have air-conditioned classrooms and tutorial rooms, ultra-modern Auditorium and Seminar Hall with audio-visual aids along with Amphitheatre of 2000 seating capacity. Institute possesses proper playgrounds and hard courts for outdoor sports. Separate decent boy's and girl's hostels with mess facility have attracted the attention of students. The faculty residence in campus provides sense of security to hostelers, besides strict security monitoring 24 X 7. State-of-art Library with reading room provides teaching learning atmosphere in the campus. Campus houses Stationery Shop, Snacks Café, Laundry Shop.

The visionary approach of founders of ABESIT Group with firm belief on expanding the horizons of education opened a new chapter for little and younger ones with the name Step Up School from session 2017-18.

Carrying forward the legacy of maintaining high standards of education, ABESIT established ABESIT College of Pharmacy from the academic year 2019-20 with an endeavour to excel in new domain with same zeal and fervour. which is visible in the first-year performance.

At the administration front ABESIT has been very transparent. It notifies all its policies and meetings through its website.