



# **SELF STUDY REPORT**

**FOR**

**2<sup>nd</sup> CYCLE OF ACCREDITATION**

## **BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY P.O.BOX NO. 325,  
SHAMANUR ROAD, DAVANAGERE, KARNATAKA-577 004**

**577004**

**[www.bietdvg.edu](http://www.bietdvg.edu)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Bapuji Institute of Engineering and Technology (BIET) is a self-financing unaided private Institute established in the year 1979 by the prestigious Bapuji Educational Association (BEA), Davanagere. The Institute has achieved a new height in value-based technical education and has made an indelible impression on the educational map of India, through the foresight and proactive approach under the leadership of Dr. Shamanur Shivashankarappa, Honorable secretary of BEA, Chairman of BIET and sitting MLA of Davanagere (South) constituency and Sri. S S Mallikarjun, Joint Secretary, BEA and former Cabinet grade Minister of Karnataka. BIET is currently affiliated to Visvesvaraya Technological University (VTU), Belagavi. At present, Institute offers 13 UG programs with a total intake of 1060 and 4 PG programs with a total intake of 282. Also, the institute promotes research, through its 14 recognized research centres. BIET is one of the most sought-after Institutes in south Karnataka and is rated as one of the top ten technical Institutes in the state of Karnataka. BIET is recognized by AICTE and UGC under 2(f) & 12(b) and it was accredited by the NBA, during the years; 2000, 2004 and 2008. In the year 2021, four UG programs viz. Civil Engineering, Mechanical Engineering, Computer Science and Electronics and Communication are accredited by NBA for 3 years and in the year 2022, the Electrical and Electronics Engineering UG Program is also accredited by NBA for 3 years. Institute has secured 'A' grade from NAAC in the year 2017. BIET has dedicated and highly qualified teaching faculty members who have R & D projects sponsored by leading National funding agencies. Institute is having lush green campus and good infrastructure facilities viz. spacious classrooms, library, laboratories with state-of-art equipment, seminar halls, guest house, hostels and hi-tech indoor auditorium. BIET has established the New Age Incubation Network (NAIN) centre, Skill development centres, numerous MOUs for industry-institute interaction.

### **Vision**

“To be a center of excellence recognized nationally and internationally, in distinctive areas of engineering education and research, based on a culture of innovation and invention”

### **Mission**

“BIET contributes to the growth and development of its students by imparting a broad based engineering education and empowering them to be successful in their chosen field by inculcating in them positive approach, leadership qualities and ethical values”

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### **Institutional Strength**

1. Good visionary, supportive and committed management.
2. Geographically located in central Karnataka.
3. Good infrastructure facilities having spacious classrooms, laboratories with state-of-art equipment,

seminar halls, guest house, hostels and hi-tech indoor auditorium.

4. State of the art facility in institute's central library.
5. Qualified and experienced faculty with wide range of engineering and basic science domains.
6. Advanced teaching-learning process for curriculum enrichment.
7. University recognized research centers in all the programs.
8. Good track record of students in university examinations.
9. Good campus placement
10. Encouragement for extra and co-curricular activities.
11. Active Alumni association.
12. Well placed Alumni in India and Abroad.
13. Strong administrative system with ERP.
14. Active industry-institute interaction.
15. Active consultancy for public and social sectors.

### **Institutional Weakness**

1. Less collaborative research with premier organizations.
2. Lesser number of publications in indexed journals.
3. Lesser number of research grants and funded research projects.
4. Lack of initiative in the process of publishing and acquiring patents.
5. Lack of full time research scholars.

### **Institutional Opportunity**

1. Obtaining Autonomy status from university.
2. Starting new UG and PG programs.
3. Networking with NITs, IITs and industries for research and academic interaction through MoUs.
4. Enhancing research activities through government funding agencies.
5. Establishing skill development centre / centre of excellence / startups / incubation centre.
6. Organizing programmes to faculty and supporting staff to cope up with changing in education policies.
7. Exposing students to hands-on training as per employer requirement.
8. Strengthening placement training, self-learning and career advancement activities to enhance the knowledge, skill and attitude level of students.

### **Institutional Challenge**

1. Competition from autonomous and deemed-to-be universities.
2. Frequent changes in government policies on admission and fee structure.
3. Drastic changes in curriculum and teaching and learning process.
4. Fluctuating trend in global economy.
5. Decreased admission trend in engineering and technology due to wide availability of other professional programs.
6. Fast obsolescence of existing technologies and emergence of new technologies.
7. Reduced employment opportunities in core sectors.
8. Reduced interest among students to pursue higher studies / research.

## 9. Multiple compliance requirements affecting teaching and research.

**1.3 CRITERIA WISE SUMMARY****Curricular Aspects**

BIET is affiliated to the VTU. The university prepares curriculum for both UG and PG engineering programs. In line with university academic calendar, Institute academic calendar and department calendar of events are prepared for effective implementation of curriculum. To check the program effectiveness and to take necessary actions for further improvement, at the department level, Department Advisory Board, Program Assessment Committee and Department Quality Assurance Cell are constituted as per the guidelines given by Internal Quality Assurance Cell (IQAC) of the Institute. All faculties are informed to prepare the course file for the subjects handling as per the check list given by IQAC of the Institute. Faculty members are encouraged to implement innovative teaching methodologies for effective implementation of teaching-learning process apart from conventional black board teaching. As per the curriculum, practical/laboratory sessions will be conducted across all the programs. At the end of semester, examination for the theory and practical courses are conducted by VTU. Curriculum framed by VTU for both UG and PG programs includes courses which integrate crosscutting issues relevant to Professional Ethics, Human Values, Environment and Sustainability. As per the curriculum, Final year UG students carry out project work in groups (Maximum 4) and final year PG students carry out the project work individually under the guidance of allotted faculty member of the department. Final year students also undergo internship. Institute adopts a proper mentoring system for the holistic growth of students. Institute obtains feedback on the curriculum, department and Institute from the stakeholders, which is analysed and actions are planned which serve as input for the continuous improvement in teaching-learning process.

**Teaching-learning and Evaluation**

The Institute has a diverse student population representing various geographical regions and ethnicities, and provides appropriate resources to meet their varied educational requirements. This diversity attests to the popularity of the Institute for its teaching, learning and resources. The Institute follows a clear and straightforward admission process in accordance with the Rules and Regulations of the Government of Karnataka. On an average, Institute has an enrolment rate of about 85%. Institute has highly qualified and experienced teachers with doctoral degrees and some are currently pursuing their doctoral research. The Student-faculty ratio of 20:1 is maintained to create a learner-centric environment. Highly qualified and competent faculty members use ICT tools to make the teaching-learning process more effective. Experiential learning techniques, problem-solving methodologies, collaborative projects etc. are adopted as teaching-learning approaches. Classrooms are provided with LCD projectors and students have access to e-repositories through the digital library. Each student is allotted with a faculty mentor. Students are supported in their aspirations related to academics, career plans; to air their grievances and cope with issues which may impede their progress. There is a grievance redressal system which is strong and responsive to students' issues. This Institute is affiliated to VTU and follows University rules and regulations for assessment and evaluation processes. Students' performance is evaluated through formative assessments/CIEs and summative assessment/SEEs. The Institute has adopted Outcome Based Education (OBE) in its teaching and learning process. Course Outcome (CO) statements are framed for every course and are mapped to 12 Program Outcomes (POs) given by NBA. Based on the formative and summative assessments, the set target levels and set attainment levels for a program, attainment levels of POs and PSOs of all the courses of a program are

computed. To bridge the curriculum gap and to address all the POs, site/industry visits, technical talks, seminars, workshops etc. are organized by all the Departments.

### **Research, Innovations and Extension**

BIET has established Research and Development (R & D) cell to enable ecosystem for fostering research culture among faculty and students. Institute is having 14 research centres recognised by VTU and Management provides necessary financial support for the development of Research centres. Research Advisory Committee (RAC) of the institute guides and periodically assess the research activities of all the centres. BIET has established incubation centre in collaboration with 'New Age Innovation Network (NAIN)' Government of Karnataka and received research grants for 20 research projects in two Phases. Projects funded in Phase 1 are completed and institute is planning for incubating outcomes of the projects through local entrepreneurs. Faculty members are actively involved in quality research and presently guiding 37 research scholars in different domains. Institute has received research grants of Rs. 1.5 crores for innovative projects from various funding agencies. Workshops/seminars/conferences are organised by the institute on Research Methodology, Intellectual Property Rights (IPR) and Awareness programs on entrepreneurship, which are supported/funded by ISTE, IE (I)-Davangere Local centre and Institute. Faculty members are also motivated to organise and participate in workshops, seminars, conferences by providing financial assistance towards registration fees and travel expenses. About 421 research papers are presented/published in National, International Journals notified by faculty members and research scholars in last five years. Institute is having collaborations with R & D centres, industry and academia for research promotion and signed Memorandum of understanding (MOU) for faculty exchange, student exchange, internship and skill-based training to enhance student's employability. BIET has in-house Entrepreneurship Development Cell (EDC), through which students interact with successful entrepreneurs. Institute also conducts number of extension programmes like blood donation, Health check-ups, field training, AICTE Activity Point Program in collaboration with IQAC, IIC, ISTE, IE (I), NGOs, NCC, NSS, Youth Red Cross and department forums.

### **Infrastructure and Learning Resources**

The Institute has state-of-the-art infrastructure with adequate facilities for effective teaching and learning. Infrastructure facilities are provided by abiding the standards and norms specified by regulatory authorities and the Government. The Institute is strategically located in a sprawling campus with much emphasis given for go green initiatives. The Institute has a student-centric facility such as ICT- enabled classrooms, modern laboratories, seminar halls, and a library with a good number of reference books and digital library facilities having open access to books, periodicals, e-journals, VTU consortium and e-resource with OPAC system. The Institute has 24X7 internet facilities for faculty and students with a bandwidth of 100 Mbps and an uninterrupted power supply of 450kVA. The Institute has adequate computing facilities. In order to keep pace with ever emerging needs of IT, the Institute has a practice of reviving and upgrading the IT infrastructure on a priority basis. The institute facilitates ERP software for accessing the information related to students. Institute has a well-equipped auditorium with a capacity 660 seats to support co-curricular, technical symposia, national and international conferences. In addition, each department has its own seminar hall with a capacity of 100 seats. The Institute has well- equipped indoor-outdoor physical education facilities such as a mechanized gym, indoor games facilities including carom, chess, badminton etc.. There are separate hostels for boys and girls housed in the campus with the capacity of 608 seats for boys and 300 seats for girls along with amicable facilities ensuring utmost safety to the students. A separate maintenance team is available on the campus to ensure a perfect ambience. The Institute provides additional facilities such as reverse osmosis plant for drinking

water, lift in each block, captive power generation of 880kVA, health care center, Bank, NSS, youth red cross, NCC etc.

### **Student Support and Progression**

BIET has understood the importance of broad based education and has created a conducive environment for the students to blossom into complete individuals. BIET believes in inculcating right attitude in the minds of young students and develop them as individuals who have the innate desire not just to succeed in their own lives but also to contribute meaningfully to societal development in all possible spheres. The campus is safe and secure for the students and is known for its discipline. At the institute level, there is an Anti-Ragging committee heading by the Principal and Director. Institute has Grievance Redressal Cell for students to file their grievances on college related issues. There is also Women Empowerment Cell and Anti Sexual Harassment cell to address problems of girl students. Institute provides awards to meritorious students in addition to the scholarships available for reservation categories. Apart from this, top students from all the departments of every semester are identified and awarded with cash prizes. The institute has MOU with “Career Gyan” which support students to pursue their higher studies in top universities. For encouraging the students to participate in cultural events, “Students Welfare Council” is established. Mega cultural festival “Davana” is conducted for three days in which competitions from music, theatre, fine arts, dance and literary sections are held. In addition to this, every department conducts many sports and cultural competitions for their own students and other departments. To encourage multi-dimensional growth for students, BIET provides top infrastructure and modern sports facilities. Institute provides reward/financial incentive for the students representing in National/State/University level events. To inculcate entrepreneurship qualities among the students, “Entrepreneurship Development Cell” is initiated. Placement cell guides the students to prepare for interviews by arranging personality development programs, skill development programs, communication skill development activities, group discussions, technical quiz and tests etc. Institute is having good placement record over the past five years and interested students of the Institute have pursued higher studies in reputed institutions. Alumni have generously contributed and built “Silver Line Guest House” in the institute campus.

### **Governance, Leadership and Management**

BIET is established in the year 1979 under BEA. The constituted governing Council (GC) of BEA nominates the members of Governing Body (GB) for which the Principal is the member secretary. The institute has an effective governance mechanism in accordance with the Vision and Mission through practicing decentralization and participative management. The governance mechanism involves Principal, Deans, Head of Departments, and members of various committees. Each of the functionaries have well defined set of roles and responsibilities. GB takes decisions related to the strategic plan, policies, rules and regulations, budget, purchase, appointments, deputing faculty to higher study, opening of new programme and welfare measures for staff and students. The Institute has a policy and strategy for mobilising resources. The financial transactions of the Institute are subjected to regular internal and external audit. IQAC facilitate the integration of the various activities of the Institute and institutionalize the best practices. IQAC is responsible for the quality standards in teaching and learning, evaluation, research and environmental sustenance. IQAC also monitors the academic progress of the Institute by conducting departmental inspection and academic audit regularly and has feedback mechanism for overall growth of the Institute. The faculty performance is reviewed through appraisals by considering various parameters of teaching-learning process and other achievements. Faculties are encouraged to attend FDPs, workshops, seminars and conferences by extending necessary financial support and leave. The institute conducts training programmes to students throughout the year to improve the placement. Institute has

constituted 12 different committees for smooth functioning of the academics and it's growth. The constituted grievances redressal cell and College Internal Complaint Committee (CICC) resolve the grievances of students and faculty. The anti-ragging committee and squad give surprise visits to the Institute hostels regularly to curb the ragging. To prevent ragging, college has displayed the notices in the campus and hostels notice boards as per UGC guidelines.

### **Institutional Values and Best Practices**

BIET is committed to impart quality education so that the overall skills of students are improved and the student will best suit the present-day requirements. This has been achieved through a well-structured mechanism developed over the years. BIET provides equal opportunity for all to participate in administrative, co-curricular and extracurricular activities. Male and female staff members and students are treated equally. BIET puts lot of efforts in promoting patriotism, human values, community concern, harmony etc. Many commemorative days and events are organized in the institute throughout the year. The institute gives due importance for conservation of energy and utilization of alternative sources of energy. The solid wastes generated in the campus and in the hostels are segregated as biodegradable, non-biodegradable waste and e-waste. There are four water harvesting pits provided in the campus which serve as water conservation units. BIET Initiatives for Green Campus (BIGc) takes the lead in rethinking new paradigms for solving problems that are local, national and global. Measures have been taken to provide disabled friendly and barrier free environment throughout the campus. 'Sarve Janah Sukhino Bhavantu' is the famous quote which says let everyone stay happily with tolerance and harmony. BIET believes in this quote completely and has created an atmosphere where every stakeholder can freely involve, interact and improve. Best Practices adopted in the institute are Counselling and skill development programs for students - "Diksoochi" and Project based learning and Industry interaction - 'Jnana Soochi'. Through 'Diksoochi', all efforts are made to extend proper counselling to students. 'Diksoochi' has strengthened the minds of the students which has been clearly indicated in their performance. 'Jnana Soochi' promotes innovative thinking among the students and faculty through their participation in industry related projects. Through this module, much success has been witnessed over the last three years.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY P.O.BOX NO. 325, SHAMANUR ROAD, DAVANAGERE, KARNATAKA-577 004
City	Davanagere
State	Karnataka
Pin	577004
Website	<a href="http://www.bietdvg.edu">www.bietdvg.edu</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	H B Aravind	08192-221461	9844061789	08192-22326 1	principal@bietdvg.edu
IQAC / CIQA coordinator	Anila Kumar C P	08192-221481	9480599788	08192-22326 1	iqac@bietdvg.edu

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
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State	University name	Document
Karnataka	Visvesvaraya Technological University	<a href="#">View Document</a>

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	04-04-2013	<a href="#">View Document</a>
12B of UGC	07-06-2019	<a href="#">View Document</a>

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	<a href="#">View Document</a>	02-07-2021	12	BE MTech MBA MCA Approval letters enclosed

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	BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY P.O.BOX NO. 325, SHAMANUR ROAD, DAVANAGERE, KARNATAKA-577 004	Urban	64.6	82629.13

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Civil Engineering	48	PUC or Equivalent	English	120	90
UG	BE,Mechanical Engineering	48	PUC or Equivalent	English	60	21
UG	BE,Electronics And Communication Engineering	48	PUC or Equivalent	English	120	112
UG	BE,Computer Science And Engineering	48	PUC or Equivalent	English	180	179
UG	BE,Information Science And Engineering	48	PUC or Equivalent	English	150	150
UG	BE,Electrical And Electronics Engineering	48	PUC or Equivalent	English	60	50
UG	BE,Textile Technology	48	PUC or Equivalent	English	30	21
UG	BE,Chemical Engineering	48	PUC or Equivalent	English	30	18
UG	BE,Biotechnology	48	PUC or Equivalent	English	30	23
PG	Mtech,Environmental Engineering	24	BE or B.Tech	English	18	13
PG	Mtech,Structural	24	BE or B.Tech	English	24	19

	Engineering					
PG	MCA,Master Of Computer Applications	24	BCA or B.Sc	English	60	60
PG	MBA,Master Of Business Administration	24	Any Bachelor Degree	English	120	120
Doctoral (Ph.D)	PhD or DPhil,Civil Engineering	48	ME or M Tech	English	3	0
Doctoral (Ph.D)	PhD or DPhil,Civil Engineering	48	ME or M Tech	English	8	2
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	48	ME or M Tech	English	2	0
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	48	ME or M Tech	English	12	0
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	48	ME or M Tech	English	10	2
Doctoral (Ph.D)	PhD or DPhil,Computer Science And Engineering	48	ME or M Tech	English	12	8
Doctoral (Ph.D)	PhD or DPhil,Information Science And Engineering	48	ME or M Tech	English	4	1
Doctoral (Ph.D)	PhD or DPhil,Electrical And Electronics Engineering	48	ME or M Tech	English	4	0
Doctoral (Ph.D)	PhD or DPhil,Textile	48	ME or M Tech	English	8	0

	Technology					
Doctoral (Ph.D)	PhD or DPhil, Chemical Engineering	48	ME or M Tech	English	6	2
Doctoral (Ph.D)	PhD or DPhil, Biotechnology	48	M.Sc or M Tech	English	4	2
Doctoral (Ph.D)	PhD or DPhil, Master Of Business Administration	48	MBA	English	8	1
Doctoral (Ph.D)	PhD or DPhil, Chemistry	48	M.Sc	English	4	1
Doctoral (Ph.D)	PhD or DPhil, Mathematics	48	M.Sc	English	6	1

**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	27				44				151			
Recruited	22	5	0	27	17	7	0	24	80	71	0	151
Yet to Recruit	0				20				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
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				105
Recruited	77	9	0	86
Yet to Recruit				19

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
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				73
Recruited	43	2	0	45
Yet to Recruit				28

### Qualification Details of the Teaching Staff

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	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.	22	4	0	16	7	0	12	2	0	63
M.Phil.	0	0	0	0	0	0	0	1	0	1
PG	0	1	0	1	0	0	68	68	0	138
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	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
	2		2		4

**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	322	5	1	0	328
	Female	333	2	1	0	336
	Others	0	0	0	0	0
PG	Male	96	0	0	0	96
	Female	116	0	0	0	116
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	11	0	0	0	11
	Female	9	0	0	0	9
	Others	0	0	0	0	0

<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Category</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	41	33	29	31
	Female	40	38	33	27
	Others	0	0	0	0
ST	Male	14	19	10	14
	Female	12	23	12	8
	Others	0	0	0	0
OBC	Male	78	92	114	64
	Female	69	100	82	86
	Others	0	0	0	0
General	Male	290	231	280	348
	Female	330	211	250	264
	Others	0	0	0	0
Others	Male	1	2	2	2
	Female	1	1	0	1
	Others	0	0	0	0
<b>Total</b>		<b>876</b>	<b>750</b>	<b>812</b>	<b>845</b>

### **Institutional preparedness for NEP**

1. Multidisciplinary/interdisciplinary:	Bapuji Institute of Engineering and Technology (BIET) is currently affiliated to Visvesvaraya Technological University (VTU). VTU in it's curriculum has implemented Choice Based Credit System (CBCS) for UG programs from the year 2015 and for PG programs from the year 2016. VTU curriculum (UG and/or PG) includes courses which integrate crosscutting issues relevant to Professional Ethics, Human Values, Environment and Sustainability. UG students in 3rd and 4th year study the courses other than their domain as "open elective courses" to gain knowledge on technologies/concepts of other domains. Through the student induction programme (SIP), technical talks on universal human
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	<p>values (UHV) and professional ethics are delivered by the experts so as to build the value education among the first year students. Institute has also formulated UHV cell involving faculties of all the domains who have undergone FDP on UHV offered by AICTE. Through AICTE Activity Points Programme, students have given knowledge to the nearby villagers on health, hygiene, digital literacy etc. Social Connect and Responsibility (21SCR36) course offered by VTU in third semester provides a formal platform for students to communicate and connect with their surroundings. NSS, NCC, YRCW wings of the Institute are actively engaged in imparting community and social service to the society thus improving the personality, team work and leadership skills of students. As per latest VTU regulations, students can acquire minor degree in AI &amp; ML, Cyber Security, Data Science, IOT, Innovation and Entrepreneurship etc. by securing 18 credits. Also, latest regulations offer multiple entry and exit at the end of 1st, 2nd and 3rd years of undergraduate education. Institute is planning to get the autonomy status from VTU. With autonomy, flexible curriculum can be framed to suit the industry/societal requirements. With autonomy, Institute can also transform itself into a holistic multidisciplinary Institute by integrating humanities and science with STEM. Institute is also planning for infrastructure augmentation and faculty empowerment/up gradation to cope with NEP 2020 requirements.</p>
2. Academic bank of credits (ABC):	<p>As BIET is affiliated to VTU, VTU in its regulations has implemented ABC policy for UG and PG students. As per the regulations, a student can be awarded with BE (Honors) degree if he/she is having minimum 8.5 CGPA up to 4th semester and before the completion of the program, acquires 18 credits through online courses offered by NPTEL, MOOCs platform – SWAYAM. As per new regulations, PG students (M Tech and MCA) have to study 2 NPTEL courses in first year to secure the mentioned credits. Students are also encouraged and motivated to take up NPTEL online courses to enhance their self-learning ability and gain knowledge on latest technological developments in their domains.</p>
3. Skill development:	<p>VTU in it's curriculum has mandatorily introduced UG and PG students to undergo internship for a</p>

	<p>period of 4/6/24 weeks in industry to enhance / upgrade their technical skills by knowing trending technologies in their domain area to cater to the socio-economic needs. VTU curriculum (UG and/or PG) includes courses which integrate crosscutting issues relevant to Professional Ethics, Human Values, Environment and Sustainability. Ability Enhancement Courses (AEC) offered by VTU for UG students are aimed at providing hands-on-training, competencies, value based skills, etc. Final year students are encouraged and motivated to take up project works related to societal problems and some students have also received funding from government agencies to execute the project work. Through the student induction programme (SIP), technical talks on universal human values (UHV) and professional ethics are delivered by the experts so as to build the value education among the first year students. Students of the Institute are motivated to participate in AICTE's Smart India Hackathon competition and also have prizes. Institute has made numerous MOUs with leading professional bodies / training centres / industries. Though these MOUs many activities such as industrial/site visits, technical talks, workshops, hands-on-training, internship are conducted to enhance skill level of students. Skill Development Centres / Labs are set up in every Department having latest equipment / software to enhance the skill level of students. MBA programme has established "Centre for Skill Development" in the year 2019. The centre helps the students to gain the required competencies and the confidence to face the real time situations in the corporate world. It also helps in bringing the cultural change in terms of professionalism in their approach and thinking. Institute is planning to offer Vocation degree courses as per AICTE guidelines in the upcoming years.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>As the institute adheres to the framework of the VTU curriculum, the Indian knowledge system is integrated with the curriculum as UG students study Samskrutika Kannada / Balake Kannada in first year as mandatory credit courses. To identify the creative talents of students, Institute has set up student welfare council which conducts various cultural events viz. 'ethnic day', 'Davana' etc. every year. Various cultural events and competitions such as characters of Indian mythology, Indian carnival, classical</p>

	<p>music/songs, classical dance, rangoli, face painting, clay modelling etc. are conducted so that students can embrace the Indian culture and tradition. Institute also celebrates Kannada Rajyothsava every year on 1st of November to remember the formation of Karnataka state. For better understanding, in classroom teaching, faculties are also informed to explain the concepts in local language.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>Institute has adopted OBE in teaching-learning process in it's teaching and learning process from 2018. Outcome Based Education (OBE) which is a student centric instruction with a clear statement on what Knowledge, skills and attitudes the Graduate Engineer will be able to demonstrate as having acquired on successful completion of a 4 year program of study. Vision and Mission of the Department are framed inline with the Institute's Vision and Mission. Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) are also framed by every department to achieve it's vision and mission. Course Outcome (CO) statements are framed for every course and are mapped to 12 Program Outcomes (POs) given by NBA/Washington accord. Based on formative and summative assessments, the set target levels and set attainment levels for a program, attainment levels of POs and PSOs of all the courses of a program are computed. To bridge the curriculum gap and to address all the POs, site/industry visits, technical talks, seminars, workshops etc. are conducted by every Department. To check the effectiveness of teaching-learning process and to take necessary actions for further improvement, at the department level, Department Advisory Board, Program Assessment Committee and Department Quality Assurance Cell are constituted as per the guidelines given by Internal Quality Assurance Cell (IQAC) of the Institute. Institute was accredited by NAAC with 'A' grade in the year 2017. Various programs of the Institute were accredited by the National Board of Accreditation (NBA), New Delhi, during the years; 2000, 2004 and 2008. In the year 2021, 4 UG programs viz. Civil Engineering, Mechanical Engineering, Computer Science and Electronics &amp; Communication are accredited by NBA for 3 years and in the year 2022, the Electrical and Electronics Engineering UG Program is also accredited by NBA for 3 years. Also,</p>

	4 UG programs viz. Information Science and Engineering, Textile Technology, Biotechnology and Chemical Engineering have submitted Self-Assessment Report (SAR) to NBA.
6. Distance education/online education:	<p>VTU has introduced e-Shikshana programme which is an advanced multi-modal, multi-platform, collaborative e-learning platform which allows course experts of VTU affiliated colleges to teach or interact with a large number of students across VTU affiliated colleges on a real-time basis through live audio video streaming and synchronized content sharing. Students of the Institute are informed to access the course contents (videos and notes) of VTU e-Shikshana programme. Under this scheme, Dr. K S Basavarajappa, Professor and Head of Mathematics Department of the Institute has delivered video lectures on Engineering Mathematics courses. As BIET is affiliated to VTU, VTU in its regulations has implemented ABC policy for UG and PG students. As per the regulations, a student can be awarded with BE (Honors) degree if he/she is having minimum 8.5 CGPA up to 4th semester and before the completion of the program, acquires 18 credits through online courses offered by NPTEL, MOOCs platform – SWAYAM. PG students are supposed to study 2 NPTEL courses in first year to acquire the mentioned credits. Students are also encouraged and motivated to take up NPTEL online courses to enhance their self-learning ability and gain knowledge on latest technological trends. Students are also motivated to watch SWAYAM PRABHA which is a group of DTH channels devoted to the telecasting of high-quality educational programmes across the length and breadth of the country on 24X7 basis. During pandemic, Institute has created various online platforms for smooth conduction of teaching and learning process. As IGNOU (Indira Gandhi National Open University) centre is set up in the Institute, students are informed to take up / register for the courses/programs as a part of distance and open education. Institute is planning to teach the courses in blended mode through LMS, to record the lecture videos and post these on Institute's website so that students can understand the concepts at their own pace.</p>

**Institutional Initiatives for Electoral Literacy**

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	The Electoral Literacy Club (ELC) is established in the year 2019 as per the directions of Chief Election Office, New Delhi.
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?	A committee is formed to execute the responsibilities of ELC. The Principal and Director of the institute are the chairpersons of the committee. The ELC is coordinated by Dr. Krishna Kumar T K, Assistant Professor and Head, Department of Physics. Every Department has identified one/two faculties as Coordinators and two student volunteers as ELC members. ELC Coordinator and members frequently attend the meetings convened by the CEO/Zilla Panchayath and SVEEP, Karnataka, Davangere division regarding the elections and voter related issues. The actions are taken in college as directed by the CEO and Zilla Panchayath creating awareness of importance of vote, linking to the AADHAAR and new voter registration etc.
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.	The ELC members of respective departments are giving awareness among the students regarding electoral rights and familiarise them with the electoral process of registration and voting. Students and faculty members have participated in the awareness programs by involving the public through Jaathas and created awareness on getting voter ID, applied through Voter Helpline APP under ELC.
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.	Institute organizes oath taking program every year on January 25th to celebrate National Voter's day. Principal and Director read out the oath and address the students. On this occasion, Institute conducts several competitions like painting, debate, essay writing etc. Kum. Annapurna Ullagaddi, I year BE (IS&E) student of the Institute has secured first place in debate competition at district level in the year 2022.
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	The awareness is given on process of having voter ID and link the same to AADHAAR through VHA app or offline for first year students, as they are entering to the 18 years of age. The ELC members from the

students as voters.

each department are also trained for using of VHA app and linking Voter ID to AADHAAR.

## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
3505	3445	3433	3418	3358

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 2 Teachers

#### 2.1

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

Response: 202

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 2.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
202	210	201	208	215

### 3 Institution

#### 3.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
808.92	830.67	922.24	1234.29	1563.91





## 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:

Bapuji Institute of Engineering and Technology (BIET) is affiliated to the Visvesvaraya Technological University (VTU), Belagavi. The university prepares a course structure and syllabus for both UG and PG engineering programs. The course and curriculum details also include the number of contact hours both for theory, tutorial and laboratory classes. It also includes the number of credits for theory paper and laboratory classes.

**Academic Calendar:** Academic Calendar for every semester will be given by VTU before the commencement of classes. Institution follows the academic calendar provided by the university. Inline with the university academic calendar, Dean Academic, in consultation with the Principal and heads of departments, develops the Institution academic calendar for effective implementation of curriculum. The academic calendar is prepared and circulated to all departments.

**Departmental Calendar:** Referring Institution academic calendar, at department level, calendar of events is prepared. Any activities planned by the department during the current semester will also be highlighted in the department calendar.

To check the program effectiveness and to take necessary actions for further improvement, at the department level, Department Advisory Board (DAB), Program Assessment Committee (PAC) and Department Quality Assurance Cell (DQAC) are formulated as per the guidelines given by Internal Quality Assurance Cell (IQAC) of the Institution.

**Subject Allotment:** At department level, HOD nominates 2 or 3 faculties as 'Time table coordinators' and calls for a meeting with all the faculties for subject (course) allotment. Courses of all the current semesters (UG and/or PG) will be distributed to all the faculties based on their areas of expertise, prior experience and individual preference.

**Time Table:** Time table co-ordinators of each department will prepare class time table for each semester by adhering to the calendar of events and hours (Lecture/Tutorial /Practical) given in the university curriculum for each course. Prepared class time table will be approved by HOD and Principal, and then the same will be circulated to staff and notified in the department for students.

**Lesson Plans:** Based on the allotted subjects and time table, every faculty will prepare the lesson plan for the particular subject so as to cover the syllabus effectively within the time frame given in the calendar of events.

**Course File:** All faculties are informed to prepare the course file as per the check list given by IQAC of the Institution.

**Innovative Teaching Methodologies:** The faculty members are encouraged to implement teaching methodologies and delivery mechanisms beyond the blackboard teaching like the use of slideshows, videos, quiz, seminars, site visits, industrial visits, group discussion, model making competition etc. Faculties are also encouraged to identify the curricular gaps if any and additional topics to be taken to address the Program Outcomes (POs).

**Bloom's Taxonomy:** For every course, course outcome (CO) statements will be prepared by the course coordinators. Usually 4 to 6 CO statements will be prepared covering all the modules of the course. Revised Bloom's Taxonomy (RBT) level action verbs will be used while framing the CO statements. Prepared CO statements will be approved by PAC of the department.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Response: 0

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>

### 1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

Response: 0

#### 1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

### 1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human

## Values, Environment and Sustainability into the Curriculum

### Response:

As BIET is affiliated to VTU, it adheres to the curriculum prescribed by the affiliating university. VTU curriculum (UG and/or PG) includes courses which integrate cross cutting issues relevant to Professional Ethics, Human Values, Environment and Sustainability.

As a part of curriculum, UG and PG students across all the disciplines of Engineering and Management are required to study courses like Constitution of India, Professional Ethics and Cyber Law, Environmental Studies, Management and Entrepreneurship etc.

Through the student induction programme (SIP), technical talks on universal human values (UHV) and professional ethics will be delivered by the experts so as to build the value of education among the first year students. Institution has also formulated a UHV cell involving faculties of all the domains who have undergone FDP on UHV offered by AICTE.

Department of Civil Engineering has conducted a 2 days workshop on UHV to the faculties of BIET and neighboring Institutes on November 29th and 30th of 2021 to expose the faculties to understand the importance of UHV.

As such, the Institution does not offer any course related to gender, but the Institution celebrates Women's Day on 8th of March every year. Institution also has a Women Empowerment Cell and conducts various activities for girl students and women faculties. Also, the Institution has sufficient infrastructure to provide basic amenities to the girl students and ladies staff members of the college.

To create awareness on environment, Institution celebrates World Environment Day every year on 5th of June and also organizes tree plantation programme on special occasions. Institution also invites resource persons to deliver technical talks on environment related issues and also on occupation health and safety. Use of plastic is strictly prohibited in the campus and campus.

Technical talks by Experts on Professional Ethics, Cyber Law/Crime and IPR have also been organized by some departments of the Institution to enlighten students and faculties on ongoing problems in an era of today's digital world.

Apart from the technical knowledge and skills, to be successful as professionals, students should have excellent soft skills, leadership qualities and team spirit. They should have entrepreneurial capabilities and societal commitment. In order to match these multifarious requirements, **All India Council of Technical Education (AICTE)** has created a unique mechanism of awarding minimum 100 activity points over and above the academic grades, which the student has to earn to get eligibility for the award of BE degree by **Visvesvaraya Technological University (VTU)**. The objectives of AICTE activity points program is to expose students to societal problems by gathering and analyzing the data collected, propose a solution and implement a solution to solve the problem, thus bringing confidence among the engineering students to take up projects with societal impact by creating digital awareness.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

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

**Response:** 52.64

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

Response: 1845

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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 (Yes or No)**

**Response:** Yes

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Enrolment percentage

**Response:** 80.06

##### 2.1.1.1 Number of students admitted year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
876	750	814	845	850

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1012	982	1051	1060	1060

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

#### 2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

**Response:** 52.5

##### 2.1.2.1 Number of actual students admitted from the reserved categories year - wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
164	147	81	164	127

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

2021-22	2020-21	2019-20	2018-19	2017-18
244	240	269	274	274

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

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

**Response:** 17.35

## 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 using ICT tools

**Response:**

The institution has adopted the curriculum provided by VTU to implement an Outcome Based Education through experiential learning, participative learning and problem solving, simulation and activities to enhance the emotional, intellectual, cognitive, and behavioral capabilities and enhancing the learning experiences of students.

In the curriculum, the following activities are made as a part of the program

- Project
- Mini Project for case studies
- Internships/Industry Visits
- Seminars
- Quiz Apart from this institution has adopted following activities
- Workshops
- Technical talks/Guest Lectures
- Peer teaching/learning
- Innovative teaching methodology
- Online video conference tools

**Project** based learning enhances the practical approach to the concept. Students are involved in identifying the problems related to societal, real time and environmental in the broader spectrum in various branches, where they design and develop applications, products or solutions to solve the problems identified. The Students are also encouraged to participate in Smart India Hackathons and many project based learning

initiatives from Govt. of Karnataka as well as Govt. of India. Final year students are motivated to take up industry projects with mentors from the Industry.

**Mini project / Case Studies** based learning plays a vital role in understanding the concepts better. In that direction, mini projects /case studies will be assigned to Pre-final year students to facilitate them to identify problems and find solutions using their analytical and critical thinking skills.

**Internships/industry** visits helps the students to understand the industry practices, this in turn helps the stakeholders to understand the gap between industry and academia and through Tie-ups students will be taking up the industry based internships. Institute regularly arranges for Industry visits for the better understanding and exposure to the practices followed in the industry. This also enhances the students to visualize the concepts learnt in the classroom and update their knowledge and inculcates participative and experiencing learning among students.

**Seminars and workshops** are extremely significant in the lives of students. Seminars, workshops, and presentations are extremely beneficial to students since they enable them to evaluate, stay up to date on current events, comprehend concepts, Students are motivated to participate and present papers in seminars on recent development in technology, which help them in improving their communication and presentation skills and exposure to the new ideas.

**Technical Talks / Guest Lectures** are very useful for students. Guest lectures are a highly useful medium to provide exceptional knowledge to students, it also adds an extra variety to the classroom routine and put a lot of emphasis on the importance of Guest lectures. The Guest lecturers are the “real-world” arriving in the classroom in order to make classes more interesting. Guest speakers share their experiences and engage students in a dialogue. Dialogue with experts helps students to develop multiple skills like critical thinking, 2 reasoning, planning for the future, etc. Institute adopts, inviting research scholars, industry stalwarts and other eminent speakers from neighboring institutes as a resource persons for technical talks and guest lectures.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

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

**Response:** 87.43

#### 2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
207	211	217	273	277

File Description	Document
Upload supporting document	<a href="#">View Document</a>

#### 2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

**Response:** 25.77

##### 2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
63	57	60	44	43

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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:**

The institution is affiliated to Visvesvaraya Technological University (VTU) and follows the rules and regulations for the assessment and evaluation processes. The students' performance is evaluated through formative assessments/ CIE and summative assessment / SEEs strategies. The students admitted during the academic year 2018 and above come under the 2018 scheme. The scheme of CIE shall be of maximum 40. CIE marks in each theory course shall be the sum of marks prescribed for test (30 marks) and assignment/seminar/quiz etc. (10 marks). The marks prescribed for the test shall be 30 and that for an assignment is 10, this is awarded based on the evaluation of assignments, unit tests, written quiz etc.

**Grievance Redressal Mechanism:** Grievance Redressal system of the institution is strong and responsive to various issues faced by students concerned and solve them promptly and impartially thereby encouraging harmonious atmosphere in the college campus by upholding dignity and strengthening the student-faculty relationship. The college has a well-structured and dynamic Internal Examination Grievance Cell, linking students with the faculty in the continuous evaluation process. The cell follows the guidelines of VTU for conducting internal examination and redressing grievances.

**Mechanism of Internal (formative) Assessment:** The examination and evaluation are carried out as per the SOP issued by the Examination Committee to ensure fair and transparent conduction of formative



assessment. The CIE marks shall be awarded based on formative assessment of CIE tests and other strategies.

**Transparent Assessment:** The institution's academic calendar is circulated to all the students and the format of the question paper, scheme of evaluation for CIE and SEE is discussed at the beginning of the semester. The subject faculties prepare question papers and schemes of evaluation and are scrutinized by the Department Quality Assurance Cell (DQAC) for better transparency. The CIE are conducted in blue books of the institute and evaluated as per the scheme and schedule. The scheme of evaluation is shared with students while distributing the answered blue books and issues, if any, connected with evaluation are resolved. The assessed marks are uploaded to the ERP of the institute and in turn sent to parents through ERP.

Internal Quality Assurance Cell (IQAC) is the premier body of the institute, having the advisory role, which discusses the academic matters by conducting periodic meetings with DQAC. IQAC is a "participative" and "facilitative" unit that will collaborate closely with faculty members to devise the best possible strategies. The IQAC monitors and provides feedback to HOD/ faculty about the observed weaknesses and suggestions for improvement at least once during a semester.

**Robust Assessment:** The formative assessment / CIE is made more robust to enhance student's overall development. The bright students and slow learners are made actively involved in formative assessment strategies to help them to improve their academic performance. The planned curriculum is shared to the students through the following formative assessment strategies.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 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 and attainment of POs and COs are evaluated**

### Response:

The institution has adopted the Outcome Based Education (OBE) in its teaching, learning and evaluation process and sincere efforts are made for continuous improvement.

Program Outcomes are the standard statements defined by the National Board of Accreditation (NBA). All the graduates at the completion of their programme, the students are expected to know these Program Outcomes.

Apart from POs, the department has to frame 2 to 4 Program Specific Outcomes with brainstorming sessions between faculty, Program Assessment Committee and Department Advisory Board. Once these PSOs are accepted by stakeholders, then they will be disseminated among various stakeholders and also on the college website.

Bapuji Institute of Engineering and Technology is affiliated to the Visvesvaraya Technological University, Belagavi, Karnataka. Hence, we adhere to the syllabus framed by the university. For each course, COs are predefined by the Board of Studies (BOS) of the university.

At the very beginning of the semester, these COs are discussed in the Course Coordinator meeting; if the COs defined by the university are good enough with different levels of Bloom's taxonomy, then it will be accepted as it is. Otherwise, fine tuning and modifications will be made in the meeting and finetuned COs are finalized in presence of PAC members.. The finalized COs are mentioned to the students at the initial class hours. Also, these COs are mentioned in the CIE Question Papers.

**Mechanism of Communication:** The syllabus for each program is designed by the University and the institution adheres to it. In the syllabus, the course objectives and outcomes for each course are available.

The Program Outcomes and Program Specific Outcomes are briefed to the students at the beginning of the semester. The Course Outcomes are briefed by individual course teachers in the first class at the beginning of the semester.

Teachers and students of the institution become familiar with Program Outcomes, Program Specific Outcomes and Course Outcomes in the following ways:

- Display boards in various departments, classrooms and corridors
- Department notice boards / laboratory notice boards
- Project report and lab manuals
- COs through course wise discussion in the classroom
- Internal assessment test question papers

Program Outcomes, Program Specific Outcomes and Course Outcomes for all the programs offered by the institution is available on the website.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 2.6.2 Pass percentage of Students during last five years

**Response:** 92.47

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

2021-22	2020-21	2019-20	2018-19	2017-18
1001	902	871	811	765

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

2021-22	2020-21	2019-20	2018-19	2017-18
1004	978	945	879	898

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**2.7 Student Satisfaction Survey****2.7.1 Online student satisfaction survey regarding teaching learning process****Response:** 3.47

<b>File Description</b>	<b>Document</b>
Upload database of all students on roll	<a href="#">View Document</a>

## 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:** 177.6

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

2021-22	2020-21	2019-20	2018-19	2017-18
49.87	20.933	46.53	19.885	40.385

**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 and has initiatives for creation and transfer of knowledge**

**Response:**

The institute has created an ecosystem for Research and Innovation by recruiting and developing necessary human resource, taking initiative for creation and propagation of knowledge and establishing state of the art infrastructure.

The details are presented below:

1. Promoting Innovation: The Institute has created an Entrepreneurship Development Cell (EDC) and institutional Innovation Council (IIC) for promoting innovation and entrepreneurship activities. Students are encouraged to present their innovative working project models and products through the annual project contest

“NIRMANA”. The contest witnesses the participation of more than 90 projects across all the departments. Few of the outstanding project ideas are identified for commercial product development or submission to agencies for research funding. Incubation centre/NAIN: Institution has initiated various activities like pre-incubation support, start-up initiatives and training programs.

2. Centre of Excellence: The faculty and students are encouraged to take up research and developmental activities by utilizing the existing resources. Our Centre of Excellences (Textile Technology Department) conducted skill development programme for students on modern testing instruments which

has helped our students to develop necessary skills and develop innovative projects in various domains. A training programme on sewing machine operator (SMO) was also conducted for unemployed youth using Govt. Of Karnataka support.

3. Human Resources: The Institute recruits dynamic and highly qualified faculty to mentor and channelize the young minds. The Institute encourages the faculty members to pursue their research in the VTU recognised research centres. Faculty are also encouraged to participate in various skill enhancement programs under Govt. schemes.

4. Research infrastructure: The Institute has a Research Advisory Cell to motivate the faculty members to write research projects and submit them to various supporting agencies like DRDO, DST, AICTE, DBT, VTU, IEI, KSCST, etc. Research Cell also helps to create research culture among faculty members and students.

5. MoUs: The Institute has signed MOUs with numerous industries to promote real-time project development and Internship activities.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

### ***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:** 15

#### **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**

2021-22	2020-21	2019-20	2018-19	2017-18
4	5	4	2	0

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## **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:** 1

#### **3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the**

**last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
13	56	50	44	38

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**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:** 0.27**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**

2021-22	2020-21	2019-20	2018-19	2017-18
12	6	8	12	16

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**3.4 Extension Activities****3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.****Response:**

Our Institute encourages regular engagement of faculty and students with the neighbourhood community for their holistic development and sustained community development through various activities related to social issues.

- Every Year, programs are organized under which students and staff participate voluntarily in community based activities with the neighbourhood. Various awareness programs, workshops, rallies and road shows with themes like cleanliness, green environment and tree plantation, gender

sensitization, traffic rule awareness, demonetization and digital payment, and empowerment of girls and women are organized.

- Continuous voluntary activities by students to maintain cleanliness in and around the Campus are organised under National Swatch Bharat Abhiyan.
- More than 5 Blood Donation camps have been organized.
- Awareness of Legal Rights.
- Awareness of Oral Health (Aim to Terminate Tobacco and Cancer).
- Health Awareness.
- Farmer Training on sustainable agricultural practices.
- Training of Rural Women.
- Program to enhance awareness on art, culture and natural heritage..
- Yoga for Holistic Health.
- AICTE activity point cell.

### Impact and Sensitization:

Exposure to extension and outreach activities sensitize the students towards social issues and also to legal and social remedies for matters like domestic violence, dowry, child abuse, beggars, female child, victims of violence, old and infirm, refugees and displaced persons etc. The activities conducted lead imbibing the values of social responsibility such as:

- To help people in need and distress
- To understand and share the need of under privileged children
- To promote cleanliness in all span of life and common places.
- To acquire social values and a deep interest in environmental related issues.

### Learning outcomes of the activity:

- Enlarge the knowledge of societal issues and problems and to search for solutions by getting involved with their lives.
- Build up relations and tie up with organizations/NGOs to carry forward humanitarian work in future.
- Develop a passion and brotherhood towards community, affected people/animals and destitute.
- Develop skill and aptitude for problem solving.
- The skills developed include social skills, communication skills, management skills, leadership skills,
- analytic skills, perceptual skills, etc.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

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

**Response:**

Sl. No.	Particulars	Date	Awarded By
1	Blood Donation camp	August 2019	SSIMS & RC, Davanagere
2	Best Project Award	August 2021	KSCST
3	Smart India Hackathon	August 2022	Ministry of Education
4	Design and Innovation clinic	September 2022	CMTI
5	Best Project Award	August 2022	KSCST

File Description	Document
Upload Additional information	<a href="#">View Document</a>

**3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years**

**Response:** 40

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

2021-22	2020-21	2019-20	2018-19	2017-18
8	4	9	9	10

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 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:** 21



<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

**Response:**

Institute has a policy of establishing the required infrastructural facilities as per AICTE and VTU norms to facilitate the effective teaching and learning. Institute has made provision to create extra infrastructural facilities to meet the changes in the curriculum and introduction of new courses. Institute is spread across 64.26 acres campus with lush green landscape and 2, 61,724.34 sq. meters carpet area.

**Class Rooms:** The institution has 70 class rooms for teaching and learning. Each room is designed to accommodate 75 students with desk, Block board.

**ICT Rooms:** 30 class rooms are equipped with ICT enabled facilities- LCD projectors, smart board and Wi-Fi. There are 10 smart class rooms.

**Laboratories:** Institution has 71 Laboratories which are equipped with adequate equipment's for conducting experiments and 14 research laboratories.

**Computing Equipment's:** Institution provides sufficient and higher configuration computing facilities both for students and faculty. There are 933 computer terminals along with laptops, printers, scanners, server, CC camera for surveillance.

**UPS:** All the computer terminal connected to UPS with a half back up. Installed UPS capacity in the intuition is 439 KVA.

**Internet and Wi-Fi:** Institution is completely enabled with internet and Wi-Fi facility with speed of 100 Mbps through leased line.

**Seminar Hall:** There are 11 seminar halls which are used for purpose of conducting function, conference and other departmental activities.

**Training and Placement Facility:** Every year training has been arranged for students by reputed trainers. MNC companies are visiting for recruitment of students and average placement is 85%. Placement cell has separate seminar hall with 220 seating capacity.

**Library:** Library has EasyLib software which is used for circulation, procurement of books and Online Public Access Catalogue. Library subscribing e-journals through VTU-Consortium.

**Hostel:** Boy's hostel with built up area of 12877.09 Sq. meters & 200 Rooms accommodating 608 students with two dining halls. Ladies hostel with a built-up area of 5029 square meters and 84 rooms accommodating 300 students. As an entertainment, hostel has indoor TV & sports hall.

**Ladies Rest Room:** For girl students, institute has provided with three ladies rest rooms.

**Auditorium:** The institution has auditorium with built-up area of 4683.64 square meters and seating capacity of 660. Auditorium is used for conducting functions, workshops, seminars and other activities.

**Silver Line Guest House:** Institution provides guest house for delegates with 09 well-furnished double rooms and two suit rooms.

**Cultural Activity:** Cultural activities enhance the confidence level for students. Every year Ethnic day & Davana will be conducted through students' association.

**Sports:** The institution provides adequate facilities for ensuring physical education activities to keep the students physically fit. Vast playing fields support a wide variety of games.

**Gymnasium:** The institution provides gym and objective is to help students develop more strength and stamina of their health.

**Lift:** Each block is equipped with Mitsubishi Electric lift with a capacity of 08/15 person.

**Water Purifier:** Institute has 4 units of reverse osmosis water purifier for drinking water.

**Other Facilities:** Institute provides a service such as NCC, NSS, Health Centre, and Youth Red Cross.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

#### 4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

**Response:** 36.18

##### 4.1.2.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
74.24	133.51	199.99	658.34	872.94

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

#### Response:

Library is an essential part of every institution which helps staff and students to enhance the knowledge through various resources such as books, Journals and Electronic Library. Library provides Borrowing, Book Bank, OPAC, Reference services, digital library with high speed internet facilities. Also, library is equipped with CC TV camera for surveillance.

Library has area of 2,661 sq.m with 600 seating capacity in main library and 722 sq. m with 150 seating capacity at MBA department. Library has 12 staff members. To cater the needs of students and to have easy and speedy access, the house keeping operations of library have been automated using EasyLib & KOHA software along with Barcode system. It has adopted open access system and maintains Online Public Access Catalogue to provide an easy access to the stacks.

Sl.No.	Particulars	BIET Library	BIET-MBA Library
1	Name of ILMS software	EasyLib	KOHA
2	Nature of automation (fully or partially)	partially	partially
3	Version	6.2a	22.05.04.000
4	Year of Automation	2005	

Easylib is a fully home grown software product for the libraries. It is developed with inputs from Professors and practicing librarians across Universities and Engineering colleges. Deployed at the server and accessible anywhere the IP access is allowed.

Library subscribes to 173 print journals and subscribing e-journals through VTU-Consortium. Also, it has a collection of nearly 5,382 back volumes of periodicals. Membership and online access of E-resources is through National Digital Library VTU Consortium. Library resources comprises with books, project reports, journals, back volumes, ISI Codes, Doctoral Thesis & Proceedings of conferences. Details of books available in the library is as follows:

Sl.No.	Particulars	BIET Library	BIET-MBA Library
1	Volume	1,47,385	16,109
2	Title	27,425	5,825
3	E-Books	24,329	4,839
4	E-Journals	1,661	373

Following facilities are available in the library:

- Students are oriented about the facilities provided and rules & regulations for using library resources.
- For each students Library user manuals will be provided.
- Library provides syllabus book, question papers, Textbooks, Journals, project reports, Thesis,

Conference proceedings, Technical Magazines.

- All the students are provided the Bar-coded ID cards.
- For each student 02 books from Borrowing and 05 books from Book Bank will be provided. Additional 05 books will be issued to category students from social welfare book bank.
- Digital Library facility with e-resources is subscribed through VTU Consortium. Turnitin software for plagiarism checking. All the E-resource are made available on the college website.
- Library provides remote access to Subscribed e-resources to the registered users. User can download Map my axis Library and may access to E-resources through Knimbus remote access.
- Library displays information regarding employment and career opportunities, competitive exams, NPTEL / SWAYAM on the notice board.
- Information about new arrival of books can be viewed through Online Public Access Catalogue.

The Central Library is providing continuous services to the user community as per the requirements of the users. Good number students and staff are daily visiting the library. Every day library is working from 9.00AM to 9.00PM and on holidays 9.00AM to 1.00PM.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

### 4.3 IT Infrastructure

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

##### Response:

With the increasing demand for internet access due to evolving standard of education and flexibility offered by the Internet, educational institutes are keenly stepping forward to setup secured and stable wired or Wi-Fi network campus for their students.

The institute has Airtel 100 Mbps leased line and Wi-Fi facility in campus. Institute has a 24X7 Wi-Fi facility in the college library for the student and faculty members to avail internet connection. The connectivity through a fully networked campus with state-of-the-art IT infrastructure, computing & communication resources, offers students the facilities of e-mail, net surfing, up/down loading of web based application, besides helping them in preparing projects & seminars.

Also, using Mikrotik firewall to prevent illegal access of internet. It offers complete visibility on which applications are being accessed within the organization and by which user irrespective of their ports and protocols. This stops sophisticated application-layer threats right at the network perimeter, ensuring Application Security.

The augmentation of IT infrastructure is a regular process to meet the requirements of the curriculum and student strength. Accordingly, following is the list of upgradation of internet and Wi-Fi facilities during the last five years:

**Academic Year 2017 -18:**

25Mbps leased line AirTel Internet connection was provided by Microline Green Pvt. Ltd. in the campus for 200 systems.

At MBA campus, 10Mbps leased line BSNL Internet connection was provided by Vision Computer for 70 systems.

**Academic Year 2018-19:**

25Mbps leased line AirTel Internet connection was provided by Microline Green in the campus for 250 systems. Contineo ERP software is installed to prepare students database.

At MBA campus, 100Mbps leased line BSNL Internet connection was provided by Vision Computer for 70 systems. EIS ERP software is installed.

**Academic Year 2019-20:**

100Mbps leased line AirTel Internet connection was provided by Indigo Computers in the campus for 250 systems. Microtik Firewall was installed for internet. Contineo ERP software is installed.

At MBA campus, 100Mbps leased line BSNL Internet connection was provided by Vision Computer for 70 systems. VMedulife ERP software is installed.

**Academic Year 2020-21:**

100Mbps leased line AirTel Internet connection was provided by Indigo Computers in the campus for 250 systems. Microtik Firewall was installed for internet. 500Mbps Wi-Fi broad band connection was provided for 5 departments. 50Mbps Wi-Fi broad band connection was provided for S S cultural centre and Silver line guest house. Contineo ERP software is installed.

At MBA campus, 100Mbps leased line BSNL Internet connection was provided by Vision Computer for 70 systems. VMedulife ERP software is installed.

**Academic Year 2021-22:**

100Mbps leased line AirTel Internet connection was provided by Indigo Computers in the campus for 250 systems. Microtik Firewall was installed for internet. 500Mbps Wi-Fi broad band connection was provided for 05 departments. 50Mbps Wi-Fi broad band connection was provided for SS cultural centre and Silver line guest house. Rovelabs ERP software is installed.

MBA campus has 100Mbps leased line BSNL Internet connection was provided by Vision Computer for

70 systems. VMedulife ERP software is installed.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

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

**Response:** 4.67

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

Response: 751

File Description	Document
Upload supporting document	<a href="#">View Document</a>

### 4.4 Maintenance of Campus Infrastructure

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

**Response:** 29.35

##### 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)

2021-22	2020-21	2019-20	2018-19	2017-18
333.44	257.36	258.64	301.39	422.54

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

**Response:** 48.16

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1918	1009	1840	1783	1714

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

#### 5.1.2 Capacity building and skills enhancement initiatives taken by the institution include the following

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

**Response:** B. 3 of the above

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

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#### 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:** 1.17

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



2021-22	2020-21	2019-20	2018-19	2017-18
201	0	0	0	0

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 5.1.4 The Institution has a transparent mechanism for timely 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
Upload supporting document	<a href="#">View Document</a>

## 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:** 39.32

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

2021-22	2020-21	2019-20	2018-19	2017-18
339	312	377	378	305

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

2021-22	2020-21	2019-20	2018-19	2017-18
1001	902	871	811	767

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

**Response:** 100

#### 5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
01	15	08	27	19

#### 5.2.2.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
01	15	08	27	19

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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:** 7

#### 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*

2021-22	2020-21	2019-20	2018-19	2017-18
03	00	02	02	00

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 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:** 16

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

2021-22	2020-21	2019-20	2018-19	2017-18
12	00	21	30	17

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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:**

Bapuji Institute of Engineering and Technology, Davangere came in to existence in the year 1979. About 25,000 students have successfully passed out from this institute and working in various organizations across the country and globe. These alumni have immensely contributed to the overall development of the institute. Alumni Association includes all alumni as members who will elect its Secretary and the working committee time to time. Principal of BIET will be the president of the chapter. Alumni have contributed lot to the growth of the institution.

The Higher Education Institution should have a strong network of its Alumni to strengthen mainly Industry-Academia bonding. The Institution is having an active group of its Alumni. A registered Alumni Association called, Bapuji Institute of Engineering and Technology, Alumni Association was constituted in the year 2020. The association is registered under the Karnataka Societies registration act, 1960 with registration no. **DRDV/SOR/266/2020-2021**, Dated: **23/11/2020**, Davangere, Karnataka.

The Institution has an excellent Alumni association with alumni excelling in their respective field. The Institution has produced leading technologists and bureaucrats since its inception, which is very much evident from the fact that, the alumni serving in Indian Administrative Service, Indian Air Force, and as CEOs of established companies. Many of the Alumni are also pursuing Master Degree from reputed academic institutions in India and abroad. Alumni have brought laurels to the institution by securing ranks and GOLD medals from the Visvesvaraya Technological University (VTU) Belagavi.

The contribution of the Alumni Association to the development of the Institution is plenty. The Association acts as a platform, to connect all the alumni, who are now entrepreneurs, managers, world-class engineers and educationists themselves. The alumni association helps in building a network of the alumni and helps in being in touch with the corporate world. The association helps in holding interactive sessions to motivate current students about the employability and educational opportunities abroad by arranging talks/technical lectures/workshops by experts. They share their opinions in social networks, blogs and forums. The Association aims to bridge the institution and the alumni by organizing regular meets and encourages alumni to contribute to the growth of the institution.

In addition to this, with the contribution of alumni, a guest house with construction cost of around 60 lakhs has been built in the campus. Many alumni have donated various equipment, LCDs computers etc. which are being used by the students. Alumni have also helped in conducting various Seminars, Symposium, workshops etc.

The alumni also assist the final year students of various streams of engineering to get their projects, Placements and Internship. They contribute to develop interpersonal skills and managerial skills. The Association helps in improvising the curriculum by their valuable feedback about the current trends and latest development in the Industry and contribute indirectly to increase the employability index.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

**6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance**

**Response:**

#### **A. Vision and Mission Statement:**

**Vision:** To be a centre of excellence recognized nationally and internationally, in distinctive areas of engineering education and research, based on a culture of innovation and invention.

**Mission:** BIET contributes to the growth and development of its students by imparting a broad based engineering education and empowering them to be successful in their chosen field by inculcating in them positive approach, leadership qualities and ethical values.

Bapuji Educational Association (BEA) is one of the prestigious educational association in the central part of Karnataka, established in the year 1958 by philanthropists and donors with commitment to serve the society. BIET is one such institute under BEA, established in the year 1979.

**Decentralized administration of institute is as depicted in Organogram.**

#### **B. Nature of Governance:**

BEA is a registered association with Governing Council (GC) which nominate the members of Governing body (GB) for the Institute. The GB has representation from the trust, state government, industry, education and affiliating bodies. The Principal of the institution is the member-secretary of GB.

The institution follows a democratic and participatory mode of governance with all stakeholders participating in its administration. The GB delegates authority to the Secretary and Principal who, in turn share it with the different functionaries. Deans, Heads of Departments, Conveners of various committees and staff representatives are involved in decision-making process and play a vital role in determining the institutional policies and their implementation. GB approves the policies, strategic plan, Budget, purchase, appointments, opening of new program and if any submitted by the head of Institution.

#### **C. Perspective/Strategic Plan**

The institution has a Perspective/Strategic Plan for overall development in a systematic and phased manner. The long-term and short-term goals established looking into the vision of the institute are;

1. Establish nationally recognized center of excellence
2. Provide state-of-the-art physical and digital infrastructure
3. Encourage research culture

4. Create value based academic environment
5. Create a model sustainable campus
6. Entrepreneurship Development Cell
7. Research incubation centre
8. Digital initiatives to equip students for Industry 4.0
9. Establish government sponsored skill development centre
10. Leveraging alumni network.
11. Placement
12. Collaboration
13. Mobilization of funds

#### **D. Participation of Teachers in Decision-Making Bodies.**

Faculty play an important role in implementing the vision and mission of the Institute and take proactive part in the decision-making process. Deans and Program Coordinators are given considerable autonomy in running the programs. Faculty occupy pivotal administrative positions like Program Coordinators, Deans, Wardens, etc., and are also conveners and members of various committees constituted for day-to-day functioning. Some of these committees are Admission, Academic, IQAC, Staff selection, Finance, Purchase, R&D, Examination, Placement & Training, Grievances, CICC, Anti-Ragging and Squad, Student welfare, SC/ST cell. Suggestions from all the stakeholders are accepted and are given prominence to improve learning processes. Effective and participative decision-making process is adopted to achieve the vision, mission and goals of the institution. Additionally, teachers spearheads cultural and socially conscious activities by steering the NSS, Youth Red Cross Wing, NCC, sports and student council.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>

## **6.2 Strategy Development and Deployment**

**6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc**

#### **Response:**

BIET maintains an organization structure in which BEA is the supreme authority. Principal and Director of

the institute has the highest academic/administrative authority and responsible for the overall development of the institution. Principal and Director of the Institute guide the administrative staff and the academic / Administrative committees in decision making.

### **Governing Body:**

The Governing body as per the Constitution of the Institute has representation from the trust, state government, industrialist/educationalist and affiliating body like AICTE/DTE/ university. The Principal of the institution is the member-secretary of the Governing body. Based on the vision and mission, GB has framed the quality policies driven by needs of the society, stake holders, industries, to bridge the gap in curriculum through infrastructure and conducive learning environment.

### **Administrative Set Up:**

The Secretary of BEA, Chairman of BIET, Director and the Principal form the nucleus of the administration with the former being the final authority in all financial matters. The Principal is vested with the day-to-day running of the college and vets all financial aspects before the GB which endorses the same. The team of Deans, Departmental Heads, and IQAC Coordinator, Conveners of various committees, Campus engineer and manager assist the principal in discharging the institute work.

### **The Functions of Various Committees:**

Various committees takes important decisions regarding finance, in building construction, renovation and maintenance, purchase of equipment's/machineries, recruitment, establishment of new programs, extension of additional facilities etc.

The functions of various committees and the bodies are uploaded and available in college website.

### **Grievance Redressal Mechanisms:**

There are several Grievance Redressal Mechanisms including the Anti-Sexual Harassment Cell with its Internal Complaints Committee; the Anti-Ragging Cell; a Grievance Redressal Cell with complaints boxes prominently placed and the full implementation of the Right to Information

### **Service Rules, Procedures, Recruitment and Promotion Policies:**

- Since from the inception, the Institute is following the AICTE/VTU, Karnataka State Civil Service Rules (KCSR) norms and standards for the administrative purpose. Based on the said statutory bodies, the Bapuji Educational Association (BEA) has published book of service rules, procedures, recruitment and promotional and other policies for the institutions and are followed by the Institute.
- Recruitment is done in a transparent manner purely on the basis of merit, after notifying the vacancies in the leading newspapers.
- Recruitment of faculty and staff for regular appointment is done by the staff selection committee constituted comprising of the subject experts, the management representative and the Principal.
- The Service Rules, Procedures, Recruitment and Promotion Policies are published in the form of book by the management. BEA service rules are disseminated in the college website, [www.bietdvg.edu](http://www.bietdvg.edu).

At beginning of every academic year, Principal holds a meeting with Deans Program Coordinator to discuss on the Quality Academic Policy. Different committees are constituted/modified to discharge the academic activities. Periodically the progresses on implementation are reviewed and shortcomings if any are rectified.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

### 6.2.2 Implementation of e-governance in areas of operation

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

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

### 6.3.1 The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff

**Response:**

#### Effective welfare measures:

The institute motivates the faculty to enhance professional development by encouraging them to associate with state, national and international professional bodies, to interact with the outside world in the form of attending and organizing conferences, seminars, workshops, FDP, Project exhibition industrial training programs and visits.

Non-teaching staff are also motivated to attend skill development programs, training programs on office automation, safety measures and use of open-source softwares.

#### Welfare measures for faculty:

- Employee's Provident Fund
- Gratuity and group insurance
- Medical Facility
- Study leave to pursue higher education with financial assistance
- Sabbatical, Maternity, Commuted Vacation Leave



- Research Promotion and deputation for FDP/Seminars/conferences etc.
- Advance payments towards membership fee of professional bodies
- Loan facility from Association Cooperative bank

**Welfare measures for Non-Teaching staff:**

- Employee’s Provident Fund
- Gratuity facilities
- Medical Facility & Employees State Insurance facilities
- Time bound increments
- Earned Leave and encashment and Maternity leave
  
- Festival Advance and Loan facility from Association Cooperative bank
- Meritorious awards for employee’s children studying professional course
- Uniform cloth

College provides No Objection Certificate, Salary Certificates, experience certificate and any other relevant documents to the employees as and when required. If the staff member visits the other City for the official work, then conveyance with Dearness Allowance is paid.

College pays utmost care to provide safe RO processed water to the employees. A huge and safe parking shed is available to the staff to park their vehicles. Adequate security guards are available for safety and security and the whole college campus is under CCTV surveillance.

**Performance Appraisal System:**

Performance appraisal for teaching and non-teaching staff is taken once a year in a prescribed format to evaluate the progress and performance of staff. Teaching staff performance is evaluated on the basis of academic as well as contribution in co-curricular activities and other achievements. The principal evaluates the self-assessment forms, analyses the student feedback on staff, and takes a review of the appraisal.

Self-appraisal is done on the basis of four parameters are Teaching, Learning and Evaluation Related Activities; Co-curricular, Extension and Professional Development; Research and Academic Contribution; and Others.

The Faculty Appraisal System (FAS) are divided into Personal Data and Self – Assessment and Report, Review and Assessment to be filled by the Reporting authority, reviewing and accepting authority respectively. FAS are obtained from the concerned Program Coordinator/ Section Heads are reviewed and accepted by the accepting authorities. After the completion of the evaluation process the duly accepted performance reports retain with the concerned custodian. In case of adverse remarks in the FAS, the employees are counseled and provided training to improve. The annual performance review and the subsequent rating of an employee is an important factor in the grant of annual increments, performance awards and career benefits.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

**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:** 9.07**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**

2021-22	2020-21	2019-20	2018-19	2017-18
06	04	34	20	30

**File Description****Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)**6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years****Response:** 21.54**6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
99	67	91	44	68

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

2021-22	2020-21	2019-20	2018-19	2017-18
131	135	135	139	137

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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:

Institute is a self-financing college, generates 95% funds from tuition fee collected from students. Funds are also mobilized from various government schemes and non-government sources, philanthropist for the purpose of research, projects, and awards for rank and top students. Faculty submit proposals to various sponsoring agencies under different schemes to mobilize the funds for research projects, conferences, FDP. Professional bodies like ISTE/IETE/IEI provides sponsorship for organizing the events. During college fest like Davana, fund raised by providing space on lease to an eligible caterer. Fund also generated by outsourcing sports ground and infrastructure facility like Halls, Computer facility etc. for conducting examination like GATE, JEE, NEET, Banking, NET, KPSC etc. The fund raised is earmarked for maintenance of Laboratory, sports grounds and other activities. The college rents out the building to run the Canteen, Tea shop and for IGNOU centre. The college committees follow the procedure of procurement of funds as per the general financial rules. All financial documents and bills are processed by the accounts section and principal / Director. Transparency is maintained through the entire process and allocated funds are utilized optimally.

Finance Committee of the Institute is an advisory Body to the GB. The GB ratifies the proceedings of Finance committee. Budgetary provisions for the departments and other amenities are made based on the requirements submitted by Program Coordinator, Principal and Director. Annual budget of institute prepared at the beginning of financial year, considering income and expected expenditures. Principal, put-forth proposals on finance related matters and seek approval from GB. Account section of the institution manages financial transactions of credit and debit and recorded.

**The internal audit** is carried out by account section of the college that regularly monitors the utilization of finances. The regular verifications are made by account section with regard to all payments including disbursement of scholarship, salaries paid, expenses of consumables and purchase of equipment, etc. Account review that are carried out in each financial year on an accrual basis system, computerized and maintained on Tally.

**The external audit** is carried out by a Registered Chartered Accountant appointed by Bapuji Educational Association who performs an audit of the financial statements of the college. The grants received by the college are also audited by Registered Chartered Accountant for their utilization. The audited statement of accounts is submitted to the Association office. After completion of the audit process, external auditors give the balance sheet, income and expenditure statement, fixed schedule assets statement, and audit report. The audited statement is duly signed by Principal, Chairman and Chartered Accountant. Institute publishes audit report in institution's website and submit to affiliating bodies during affiliation process.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 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:

BIET has constituted IQAC consisting of Principal, Director, Deans, HODs and faculty Members. IQAC facilitate the integration of the various activities of the institution and institutionalize the best practices. It plays a vital role in maintaining quality standards in teaching, learning, evaluation, training programs, workshops, seminars, and research, extension and consultancy activities and MoUs. It initiate, plan and supervise various activities which are necessary to increase the quality of the education imparted to students. It promote the professional practices relevant to technical education and motivates the faculty to achieve competitive teaching and learning environment. It collects feedback from different stakeholders, analysed, and used it for qualitative improvement. The AQARs are regularly submitted to NAAC.

### Practices institutionalized as a result of IQAC initiatives are:

IQAC conducts a meeting with DQAC of all the Programs in connection with academic activities. IQAC also conducts an internal and external academic audit and takes appropriate remedial actions to improve the quality of education.

During the audit, committee verifies

- Formation of DQAC, PAC, DAB and their roles
- Calendar of events
- Course files, workload, Time table
- Test Question (CIE) papers pattern and Scheme of Evaluation.
- List of slow/advanced learners and activities conducted to address their needs.
- Identified curricular gaps and organized guest lecture/seminar/workshop/ value added programme, certificate courses to the fill gap.
- Monitoring of classes and reporting the discrepancies to higher authorities
- Collecting feedback from various stakeholders

### Internal Academic Audit:

Committee members are nominated by IQAC. Members of the Internal Academic Audit Committee verifies the academic activities of the departments as per standards and processes and prepare the detail report which is submitted to IQAC. The audit report and the suggestions of IQAC are made available to the External Academic Audit Committee.

**External Academic Audit:**

Professors from accredited Institutions are identified as members of the External Academic Audit Committee by the respective Program Coordinator. Head of the Institute approves and appoints them as member of external academic audit along with one senior Professor identified from allied branches. Committee interact with Head of department and staff regard to practices, processes, academic calendar and activity calendar, previous academic audit reports, their compliances, current internal academic audit report, and observations & suggestions of IQAC. The committee members then thoroughly interact with the individual course instructors as per the checklist supplied by IQAC.

**Student Feedback Survey:**

To improve teaching-learning process and to review the quality of faculty, feedback survey of all the faculty handling classes in a semester is taken from students once at the mid of the semester and the other at the end of semester. A standard questionnaire is used with key factors on which the quality and performance of faculty member is assessed. The feedback survey is obtained through online via ERP.

**Research and Development:**

Faculties are encouraged to pursue research, publish papers, and to write proposals for fund, to take consultancy works and to interact with external world. Institute has MOUs with industry to conduct industry related projects, internship and skill development activities.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

**6.5.2 Quality assurance initiatives of the institution include:**

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)/ membership of international networks**
- 3.Participation in NIRF**
- 4.any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc**

**Response:** B. Any 3 of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Measures initiated by the Institution for the promotion of gender equity and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

##### Response:

##### Measures initiated by the Institute for the promotion of gender equity

Bapuji Institute of Engineering and Technology provides equal opportunity for all to participate in administrative, co-curricular and extracurricular activities. The institute also deputed faculties for orientation courses and higher studies (Post Graduate and Ph.D.). Faculty members are nominated in committees without any discrimination (gender, caste, religion). Male and female staff members and students are treated equally.

Institution has established “Women's Cell” and “Grievance Redressal Cell” which address the issues of women and other weaker students. These cells are monitored by senior faculty members to protect the interests of women students and employees.

Safety and security: Institute has been totally committed to ensuring a safe, secured and free environment in the institute campus for everyone concerned. The atmosphere in the campus is free from oppression, threat, abuse and ragging. The institute has zero tolerance for ragging and sexual abuse. Everyone is assured of all the fundamental rights in the campus.

Following steps have been taken for ensuring safety and security

1. Adequate number of security personnel have been provided round the clock who will closely watch the activities all the time.
2. CCTVs have been installed at important places to keep close watch on the happenings.
3. Fire extinguishers and sanitizers are provided in all the departments.
4. The institute also has Anti-ragging and Anti-sexual harassment committee which regularly meets and this has provided a free environment to the girl students.
5. The Napkin vending machine and Destroyers (incinerator) are installed in the girls' hostel and in different departments.

Counselling: One faculty for every 15 students is assigned as a counsellor. Counselling facilities are provided to all students including those who seek Counselling related to gender issues. Among the counsellors, there are many women counsellors who are empathetic towards gender related issues especially to females and take care of them.

##### Initiatives of the institution in celebrating / organizing national and international commemorative days, events and festivals.

Bapuji Institute of Engineering and Technology puts lots of effort into promoting patriotism, human values, community concern, harmony, etc. Many commemorative days and events are organized in the

institute throughout the year. Independence Day is celebrated on 15th August every year and Republic day is celebrated on 26th of January. Staff and the students will be present during the ceremony of flag hoisting. Talks will be arranged in these events by calling persons involved in socially beneficial works.

Institute celebrates Teacher's day, Engineers day, National Youth Day and Yoga day is celebrated every year.

Institute celebrates Ambedkar Jayanthi and Kannada Rajyotsava. In addition to this Sadbhavna Diwas, Rashtriya Ekta Diwas, Voters' day, Constitution Day, etc. every year. Students and staff take part in these events.

In addition to these events the Institute also celebrates many international commemorative days such as World Environmental Day, World Water Day, and International Yoga day. These National and International commemorative days are celebrated to educate the students on issues of concern and global problems.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

#### 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
Upload supporting document	<a href="#">View Document</a>

#### 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:** C. Any 2 of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

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

**Response:**

‘Sarve Janah Sukhino Bhavantu’ is the famous quote which says let everyone stay happily with tolerance and harmony. Bapuji Institute of Engineering and Technology believes in this quote completely and has created an atmosphere where every stakeholder can freely involve, interact and improve. Institute always focuses on a peaceful, healthy and comfortable campus for all the students and staff. Many events are conducted to inspire students about harmony. Students’ Welfare Council is formed which conducts many activities like Ethnic day where different Indian cultures and traditions will be exhibited. A mega cultural event “Davana” is being hosted every year which will be a platform for students from different regions of Karnataka to mix with each other and exhibit their hidden talents. The National Social Service (NSS) wing conducts many activities to involve students in many social activities. Many blood donation camps are also arranged in the institute. Kannada Rajyotsva is another such event which is conducted every year and will be a platform for students of different regions of India to mix and learn Kannada. Constitutional day is celebrated every year. In addition to this many events are conducted through Youth Red Cross wing, Indian Society for Technical Education Institute Chapter, etc for creating tolerance towards cultural, regional, linguistic, communal socioeconomic and other diversities.

A one credit course on “Constitution of India, professional ethics and cyber law” and “Universal Human Values” courses has been introduced in the curriculum itself and a faculty from Law college will handle the subject. Through this subject students will learn constitutional obligations, values, rights, duties and responsibilities as indicated in our great constitution. In addition to this many events will be conducted throughout the year for making the students understand the constitution.

Institute celebrates Independence Day, Republic Day, Constitution day on 26th November, and voters' day on 25th of January every year. These will help students and staff to understand their rights and obligations. In addition to this, on these days debate competitions, essay competitions, collage competitions, etc. will be conducted to the students about constitution, importance of voting, freedom fighters, etc. to sensitize the students about their rights and obligations. Institute organizes Swachh Bharat Abhiyan every year with a view to create awareness about public health and individual person’s role and contribution.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 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-I

1. **Title of the Practice:** Counseling and skill development programs for students - “Diksoochi”

### 2. Objectives of the Practice:

- To create a conducive teaching-learning environment enabling both students and teachers to deliver their best.
- To provide a strong support system between Mentor and Mentee.
- To develop a strong counselling system which imparts confidence in students and equip them to face challenges of this ever changing modern world.
- To develop students so that not only their academic performance but their overall personality will be improved.

3. **Context:** Most of the students being admitted to our institute are from rural backgrounds. This has been the major challenge for our institute to design a foolproof system to systematically monitor their performance and guide them for improving their performance. In addition to this, most of the parents or guardians of the students joining our institute are also from a rural background and lack education. Hence, along with training the students, more emphasis is given for making the parents / guardians aware of the importance of education and development of overall personality.

### 4. The Practice:

1. For monitoring the continuous performance of the students, one faculty will be made as Mentor for every 15 students.
2. Mentor involves himself in building up a good rapport with the students.
3. Non curricular issues like non-participation in extra and co-curricular activities, poor communication, difficulties in hostels, problems related to behaviour and mixing with other students are also addressed by the mentor.
4. Performance reports of the students will be regularly sent to the parents/guardians and if necessary parents / guardians will also be counselled.
5. Lists of poor performing students are prepared department wise and additional classes / counselling sessions will be held separately.
6. Mentors will also advise students to participate in activities of NCC, NSS, Lead Cell, Students Council, etc.
7. In addition to this ‘Diksoochi’, every department has a separate forum in which the students can showcase their talents and get proper exposure. For first year students, there is a separate Science Forum established which conducts many events for the overall development of the students.

### 5. Evidence of Success:

- Students' attendance in the classes has been drastically increased due to proper counselling.
- Examination results are improving and the success rate is more than 90%.
- Placement has been excellent and there is more than 80% placement among the eligible students.
- Students have shown more interest in Industrial visits, industry related projects and invited talks.
- There is more participation observed in blood donation camps, NCC, NSS and forum activities. Number of students taking part in sports activities is also increasing.

#### 6.Problems encountered and Resources Required:

- 1.Many students entering our institute are from rural areas and from poor families.
- 2.Even the parents or guardians are not aware of the importance of education.
- 3.Most of the students are from Kannada medium and lack good English communication skills.
- 4.Hence, motivating the students to improve their overall personality is the biggest challenge encountered.
- 5.Institute also gives all facilities for conducting parents meet regularly.

#### Best Practice-2

1. **Title of the Practice:** Project based learning and Industry interaction - 'Jnana Soochi'

2. **Objectives of the Practice:**

- 1.To promote innovative thinking among students and faculty through their participation in industry related projects.
- 2.To bridge a strong bond between industry and institute.
- 3.To create entrepreneurship qualities in students.
- 4.To make students capable of sustaining in this modern ever challenging and changing world.

#### 3.The Context:

There is a general feeling that only about 15-20% of the graduates emerging out of technical institutions are employable. As per the surveys and our own input, there is a big gap between the contents of the curriculum and the requirements of the present day industries. Overall skill shortage among the students has drastically reduced their employability and sustainability in industries. The management of Bapuji institute of Engineering and Technology has to deliver the above said attribute in order to make an impact on the engineering educational map of India. The management has decided to act in the required direction and the outcome is the 'Jnana Soochi'.

#### **4.The Practice:**

1. Persons working in industries will be invited and students along with staff will interact with them regarding their project works and other areas.
2. Six weeks internship training will be given to all the students in different industries. Even many students have got employment in the industries in which they underwent training.
3. Many industrial and site visits will be arranged for the students so that they can actually see the happenings in the industries.
4. Projects undertaken by various engineering disciplines are of industrial importance with research orientation. Even our faculty will be benefited by such projects.
5. Students are encouraged to undertake interdisciplinary projects allowing them to get exposed to wider engineering domains.
6. Curriculum gaps will be systematically analysed and the required additional inputs are given.
7. Many soft skill training programs will be arranged throughout the year and effort will be made to impart the required soft skill component to the students.

#### **5.Evidence of Success:**

1. Placement has been drastically increased for the last four years. Number of MOUs with industries is also increasing.
2. Number of industry-oriented projects has increased. Many student projects are given financial assistance by the State Council for Science and Technology, University, New Age Incubation Centre, etc.
3. Many student projects have received awards in the project exhibitions. BIET has won the “Best College” award six times in the state level project exhibitions organized by KSCST.
4. There is a rise observed in the number of faculty projects funded by different agencies.
5. Number of faculty pursuing Ph.D. has been found to be increasing.

#### **6.Problems encountered and Resources Required:**

1. Some of the projects require basic research in some areas and the Institute is trying hard to establish additional facilities.
2. Number of industries in the nearby area is less. Efforts are made to contact industries located at different places.

3. Alumni participation in the institute affairs needs to be improved and additional efforts are being done in this regard.

File Description	Document
Best practices as hosted on the Institutional website	<a href="#">View Document</a>

## 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:

Bapuji Institute of Engineering and Technology (BIET) is committed to impart quality education so that the overall skills of students will be improved and the student will best suit the present-day requirements. This has been achieved through a well-structured mechanism developed over the years.

1. It is ensured that the University adopted curriculum will be completely dealt with. Theory classes, laboratory sessions, project works, seminars etc. will be strictly monitored and a student will be thoroughly guided at every step.
2. Regular industrial visits and interaction sessions with people working in the field will be arranged so as to give proper exposure to students.
3. Symposium and seminars will be arranged in different departments in which the student will get a platform for interaction with industrialists, researchers, academicians, consultants, practicing engineers.
4. Students will be advised to participate in Seminar and symposium conducted by other institutes.
5. Important industrial related projects will be given to students and an internship training of around 4-6 weeks will be arranged to all the students which will make them understand the ground reality of the field.
6. Students will be advised to participate in the activities of NSS, NCC, Youth Red cross wing, blood donation camps, etc. so that their ethical thinking will be oriented properly.
7. There is a separate sports department with all the infrastructure so that the students can participate and develop physically.
8. In addition to this, many skill development programs are arranged for students so that their overall personality will be developed.
9. In the current year 2022-23, BIET started 4 new programs viz Computer Science and Design, Computer Science and Engineering (Data Science), Artificial Intelligence and machine learning, and Computer Science and Business with an intake of 60 in each discipline.

BIET has been in the field of technical education for the last 43 years and the institute has continuously monitored the success of the students. From the beginning, plans for continuous improvement are properly implemented which have taken the institute to higher levels. At present BIET has planned many activities for further improvement.

1. BIET has already housed some start-ups with the help of alumni and it is planned to increase the number of start-ups in the campus so that students can interact, be hired, trained and deployed for jobs.
2. Action has been initiated to construct a new canteen building.
3. Action has been initiated to construct one more floor in the existing Guest house built with the help of alumni.

At present BIET has entered into MOU with many industries and research institutes and efforts are made to have a maximum number of MOUs with industries, research institutes and trainers so that they can be involved in development of the institute.

File Description	Document
Appropriate web in the Institutional website	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

BIET is having lush green sprawling campus of about 56.70 acres catering to the needs of nearly 3400 students. In an extended campus of BIET with an area of about 8 acres, MBA programme is taught for nearly 240 students. BIET is having good track record of students in university examinations. Many students of the Institute are awarded with university ranks. Many students of the Institute are placed in reputed companies. The alumni of this institute have occupied very good positions in Government sector, business, industry, R&D and academia in India and abroad. The Institute frequently organizes the alumni meet to build a strong alumni network. Four UG programs viz. Computer Science & Engineering (Data Science), Computer Science & Business System (in association with TCS), Computer Science & Design, Artificial Intelligence & Machine Learning (AI & ML) with an intake of 60 each are started from the academic year 2022-23.

### **Concluding Remarks :**

The Institute follows a democratic and participatory mode of governance with all stakeholders participating in its administration. The Governing Body delegates authority to the Secretary and Principal who in turn share it with the different functionaries. Institute has strategic plan for overall development in a systematic and phased manner in such a way that the short-term and long-term goals are established looking into the vision of the institute. The functioning of academic and administrative work is fully managed by the various deans, HODs and core committees such as IQAC, Staff selection, Finance, Purchase, Research and Development, Examination, Placement & Training, Grievances, CICC, Anti-ragging Squad, Student welfare, SC/ST cell, etc. Faculties spearhead cultural and socially conscious activities through NSS, Youth Red Cross Wing, NCC, sports and student welfare council. The suggestions from all the stakeholders are accepted and are given prominence to improve teaching and learning process. Effective and participative decision making process is adopted to achieve the vision and mission of the Institute.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																														
1.3.2	<p><b>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</b></p> <p><b>1.3.2.1. Number of students undertaking project work/field work / internships</b>            Answer before DVV Verification : 1841            Answer after DVV Verification: 1845</p> <p>Remark : Input edited as per the supporting documents</p>																														
2.6.2	<p><b>Pass percentage of Students during last five years</b></p> <p><b>2.6.2.1. Number of final year students who passed the university examination year wise during the last five years</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>902</td> <td>871</td> <td>811</td> <td>767</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>902</td> <td>871</td> <td>811</td> <td>765</td> </tr> </tbody> </table> <p><b>2.6.2.2. Number of final year students who appeared for the university examination year-wise during the last five years</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	1001	902	871	811	767	2021-22	2020-21	2019-20	2018-19	2017-18	1001	902	871	811	765	2021-22	2020-21	2019-20	2018-19	2017-18					
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3.2.2	<p><b><i>Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years</i></b></p> <p><b>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</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>5</td> <td>4</td> <td>2</td> <td>0</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>5</td> <td>4</td> <td>2</td> <td>0</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	4	5	4	2	0	2021-22	2020-21	2019-20	2018-19	2017-18	4	5	4	2	0										
2021-22	2020-21	2019-20	2018-19	2017-18																											
4	5	4	2	0																											
2021-22	2020-21	2019-20	2018-19	2017-18																											
4	5	4	2	0																											

3.3.1	<p><b>Number of research papers published per teacher in the Journals notified on UGC care list during the last five years</b></p> <p><b>3.3.1.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="308 432 1046 566"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>107</td> <td>121</td> <td>103</td> <td>65</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="308 645 1046 779"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>13</td> <td>56</td> <td>50</td> <td>44</td> <td>38</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	25	107	121	103	65	2021-22	2020-21	2019-20	2018-19	2017-18	13	56	50	44	38
2021-22	2020-21	2019-20	2018-19	2017-18																	
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13	56	50	44	38																	
3.3.2	<p><b>Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years</b></p> <p><b>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</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="308 1059 1046 1193"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>6</td> <td>8</td> <td>12</td> <td>16</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="308 1272 1046 1406"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>6</td> <td>8</td> <td>12</td> <td>16</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	12	6	8	12	16	2021-22	2020-21	2019-20	2018-19	2017-18	12	6	8	12	16
2021-22	2020-21	2019-20	2018-19	2017-18																	
12	6	8	12	16																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
12	6	8	12	16																	

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p><b>Number of students year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="197 1686 986 1798"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>3505</td> <td>3445</td> <td>3433</td> <td>3418</td> <td>3358</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1" data-bbox="197 1877 986 1989"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>3505</td> <td>3445</td> <td>3433</td> <td>3418</td> <td>3358</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	3505	3445	3433	3418	3358	2021-22	2020-21	2019-20	2018-19	2017-18	3505	3445	3433	3418	3358
2021-22	2020-21	2019-20	2018-19	2017-18																	
3505	3445	3433	3418	3358																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
3505	3445	3433	3418	3358																	
2.1	<b>Number of teaching staff / full time teachers during the last five years (Without repeat count):</b>																				



Answer before DVV Verification : 298

Answer after DVV Verification : 202