



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

BANGALORE INSTITUTE OF TECHNOLOGY

**KRISHNARAJENDRA ROAD, VISVESWARAPURA, BENGALURU
560004**

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BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Rajya Vokkaligara Sangha (RVS) was established in the year 1906 to promote social, cultural and educational aspirations of the agricultural community. The management of RVS comprises of thirty five executive committee members elected by the members of RVS. There are fourteen educational institutions functioning under the aegis of RVS, Bangalore Institute of Technology is one among them. Each institution is managed by a governing council.

Bangalore Institute of Technology (BIT) is a premier technical institution established in the year 1979. Providing quality education in the field of Engineering, Technology and Management is its core objective, with the motto “Technology for Prosperity”. It is located in the heart of the city in a campus of 5.35 acres on Krishna Rajendra Road, in Vishweshwarapura, Bengaluru. It has always been at the forefront of modern technology and being the first college to introduce a full-fledged degree in Computer Science and Engineering in Karnataka in the year 1981.

Bangalore Institute of Technology visualized the changes and trends in Engineering and Technology and has introduced various programs over the last forty years. BIT offers ten undergraduate, nine post graduate and thirteen research programs. It has an annual intake of 1359 students. The Institution is approved by the Government of Karnataka (GoK) and All India Council of Technical Education (AICTE), New Delhi and is affiliated to the Visvesvaraya Technological University (VTU) Belagavi, Karnataka. All nine undergraduate programs and Master of Computer Applications (MCA) are accredited by National Board of Accreditation (NBA) under Washington Accord, New Delhi. It is ranked by NIRF in the band of 201-250 under engineering category.

The Intellectual capital of BIT is its dedicated faculty members. There are 287 faculty members with diverse knowledge and rich teaching experience. More than ninety faculty members have doctorates and sixty four faculty members are pursuing Ph.D in various disciplines. The retention rate of faculty members is highly commendable. The average length of the teaching staff service is more than 20 years. Apart from the teaching staff, there is 307 technical, ministerial and supporting staff for the smooth functioning of the Institute.

Vision

To establish and develop the institute as a center of higher learning, ever abreast with expanding horizon of knowledge in the field of engineering and technology, with entrepreneurial thinking, leadership excellence for lifelong success and solve societal problem.

Mission

- Provide high quality education in the engineering disciplines from the undergraduate through doctoral levels with creative academic and professional programs.
- Develop the Institute as a leader in Science, Engineering, Technology and management, Research and apply knowledge for the benefit of society.

- Establish mutual beneficial partnerships with industry, alumni, local, state and central governments by public service assistance and collaborative research.
- Inculcate personality development through sports, cultural, extracurricular activities and engage in the social, economic and professional challenges.

Vision and Mission are disseminated on Institute website, Notice boards, Laboratory manuals, Proctor books, Laboratory records, Class rooms, HOD's room and staff rooms. It is also communicated through Google sites, Parent Teachers Meeting and in Induction Programme.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. **Accredited by NBA and NIRF Rankings:** All UG and MCA programs are accredited by NBA under Washington Accord, New Delhi. It is ranked by NIRF in the band of 201-250 under engineering category.
2. **Highly Qualified & Experienced Faculty Members:** The Institution has adopted a policy of recruiting faculty members with qualifications as per AICTE norms. BIT is being acclaimed of having 287 faculty members with more than twenty years of experience, out of which 90 faculty members have obtained their Ph.D degree in diverse disciplines and 64 are pursuing.
3. **Teaching-Learning Process:** The Institution adheres to the academic standards in adopting and implementing teaching and learning process. Digital classrooms, ICT tools, Experimental demonstration are practiced for the betterment of students. The internal quality Assurance Cell (IQAC) monitors and provides suggestions to upskill the quality of teaching and learning methods.
4. **Infrastructure Facility:** The Institution is located in the heart of the city and well connected with Metro rail and other public transport facilities. The Institute provides the state of art infrastructure, well equipped smart Classrooms, seminar Halls and laboratories. The entire premises including class rooms are equipped with CCTV cameras and high speed 1:1 leased line with band-width of 350Mbps internet. The campus is enabled with Wi-Fi facility for continuous academic activities.
5. **Training and Placement Center:** Every year more than 120 reputed companies visit our Institution to conduct placement activities for Recruitment and Internship. Eligible students are placed in esteemed companies with attractive packages. Leading companies like, Micro Focus, Ernst and Young, National Instruments, HSBC, Oracle, GE, Target, Walmart, CISCO, Infosys,Wipro, Accenture,Bosch, recruit our students.
6. **Industry Institute Interface:** BIT has signed MOU with more than 100 companies to support the students to get practical exposure of the emerging trends and technology in the industry. Technical seminars, workshops and conferences have been conducted in association with the companies.
7. **Alumni Association:** The Institution has a strong alumni network spread across the world. The alumni association arranges annual meet for crafting students' career growth. The alumni groom the students by giving the feedback about expectation of industries.

Institutional Weakness

1. **Limited Scope to Modify the Curriculum:** BIT is affiliated to VTU and hence it has limited scope to modify the curriculum. The university formulates the syllabus and evaluation process.
2. **Limited Parking Space:** The Institution has limited parking space. Since it is centrally located and encompassed by its sister concern educational institutions such as medical, dental and degree colleges, there is no scope for further expansion also.
3. **Lack of outdoor Playground:** The Institution is surrounded by many educational institutions and there is no place for outdoor playground. Notwithstanding this, the Institution conducts outdoor games in association with National College, Basavanagudi and kitturu Rani Channamma playground on rental basis.

Institutional Opportunity

1. **IT Hub:** Bangalore is the hub for information technology industries, research institutions and for startups. There is a great opportunity for students and faculty members to interact with emerging startups through visits, guest lectures, internships and placements. The Institution makes the best utilization of this opportunity for the betterment of the student and faculty members' career.
2. **Student and Faculty Exchange Program:** A large number of reputed foreign Universities are willing to partner with Indian Universities for collaboration. Few Universities are willing to have collaboration with the institution. In 2019 University of Louis Ville represented by Mr.Tood Mooradian visited our college for foreign collaboration on higher education.
3. **Open Learning Systems:** BIT encourages the open learning systems for the students and faculty members. They are motivated to register for SWAYAM and Coursera platforms. Students are also encouraged to participate in Conferences, Workshops, Technical talks and Paper presentation etc.
4. **MOU:** many companies have signed MOUs with the Institution. They are interacting for various academic and research activities to provide opportunities for innovation, incubation and entrepreneurial activities.

Institutional Challenge

1. **Heterogeneous learners:** Aligning teaching-learning process to suit students with heterogeneous capabilities.
2. **Creating Sustainable Solutions:** Many companies show scant response to share their practices with students in identifying the societal problems and providing sustainable solutions developed by the students.
3. **funded projects:** Government of India provides various opportunities through AICTE for funded projects. The Institution strives for capitalizing these opportunities.
4. **Consultancy:** Efforts are in the direction of establishing consultancy services, which is a major challenge to be addressed.
5. **Projects on thrust areas:** More focus should be on real time and socially relevant projects by the students as well as faculty members.
6. **Skill Development:** organizing more skill development programmes in the specialized fields for the career advancement of the students.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Curriculum plays a vital role in maintaining the quality and robustness of any educational system, when it comes to professional education, the role of it is paramount.

Bangalore Institute of Technology (BIT) is affiliated to Visvesvaraya Technological University (VTU) and adopts Choice Based Credit System (CBCS) which is emphasized by the university. Curriculum and calendar of events are planned and developed by the Board of Studies at the University and is circulated to affiliated institutions for effective implementation. BIT implements the syllabus and calendar of events set by the university.

The Principal in consultation with the Heads of all departments prepares calendar of events in accordance with the guidelines of the University. Semester End Examination to assess the students academically is conducted by the university. Experimental learning which constitutes project work, internship and fieldwork, thereby emphasizing on delivery of practical knowledge to students is also a part of the system. Add-on programs are also conducted along with the regular curriculum to improve and nurture the skill sets in students. Feedback from stakeholders are obtained and evaluated to fill the gaps in the curriculum.

Faculty members of BIT represented at the university level are involved in various activities such as evaluation of theory courses, practical courses, Project Viva Voce, Members of BOS, BOE, Academic council, Executive council, Members of Inspection Committee etc.

To address the issues of the society, Constitution & Professional Ethics and Environmental study are integrated into the curriculum. Anti-Ragging Committee, SC/ST Committee, Women Grievance & Redressal Committee and College Internal Complaint Committee are formed to maintain social equality and safety for all the students & faculty members.

Teaching-learning and Evaluation

The process of teaching, learning and evaluation aims at transmission of knowledge, imparting skills in formation of attitudes and behavior. In BIT, education is imparted on students through teaching - learning process. Teaching - learning process is the arrangement in the academic environment with in which the students can interact and learn.

Teaching - learning process in BIT includes many variables. These variables help the students to achieve their goals and incorporate new knowledge, behavior and skills that add to their range of learning experiences.

The Institute has adopted learner centric education system as per Outcome Based Education. The Teachers use conventional and modern pedagogy tools for effective course delivery. Various ICT resources are utilized for the effective teaching and learning process. BIT has good mechanism to identify slow and advanced learners by initial assessment of their learning levels and initiatives are taken by the teachers to adopt towards the heterogeneous learning. The institution has proficient, dedicated and experienced faculty members from diverse backgrounds.

The Institute has the practice of deputing the faculty members to attend FDP, STTP, Seminars, conferences and

workshops regularly on advanced and cutting-edge technologies to upgrade their skills. All the departments organize various technical events frequently, which are useful to both student and faculty community.

The learning level of the students is evaluated through Continuous Internal Evaluation (CIE) and Semester End Examination (SEE). The CIE includes Tests, Assignments, Quiz, Technical seminars, Project Viva-Voce, etc. The SEE and Evaluation is conducted by the University. Based on the performance of the student in CIE and SEE, direct evaluation is carried out to assess the attainment of course outcomes (COs) and program outcomes (POs) and indirect assessment such as course beginning and course end surveys are taken to evaluate the student learning level.

Performance based appraisal of faculty members are drawn from the students. Based on the feedback, authorities of the institution inform the concerned to improve their academic skills.

Measures are taken to satisfy all the stakeholders and to realize the vision, mission and goals of the organization.

Research, Innovations and Extension

The teaching fraternity at Bangalore Institute of Technology perceives that teaching and research are closely associated. Thus, education inclusive of research will enable the teachers to provide their students with appropriate and stimulating learning opportunities. To keep up this primary goal, Bangalore Institute of Technology has established Research and Development cell (R&D Cell) comprising honorary members from reputed R&D establishment and industries. In addition to this all the departments of BIT also have University approved research and development centres.

Along with R&D Cell, Ph.D registration committee, Research funding committee, Innovation and Entrepreneurship Development Cell (IEDC) and IPR (Intellectual Property Rights) Cell of BIT are working in tandem. These committees strive to sustain research environment of the institute. Also, continuous effort is made to motivate faculty and students to practice and inculcate ethical research culture by conducting workshops and seminars on relevant topics.

The research centers of the institute are having ongoing research projects funded by various government and private agencies. During last five years about 170 research scholars have registered under the research centers of different departments and actively pursuing research in thrust area. The output of these research pursuits is resulting in many research publications and few patents.

Bangalore Institute of Technology has about 90 active MOUs with reputed industries, consultancy firms and professional bodies. Through these MOUs, collaborative research and development activities of the institute are expedited. Students of BIT are passionately involved in carrying out inventive project works and regularly won awards for promoting and demonstrating innovative ideas. Student projects which are entrepreneurial in nature are encouraged by IEDC and facilitate funding through industries and other sources.

The Institute instills societal responsibility and social values in faculty and students through pursuits of institutional clubs such as NSS, ROTARACT, LEO Club, ECO Club, TEDx, etc. These clubs are entirely managed by students with faculty mentorship. Extensional activities of these clubs include blood donation camps, Swatch Bharath activity, Interaction with underprivileged kids, Village adoption scheme, National day celebrations etc. Some of these extensional and outreach activities have profoundly contributed to overall

development of the stakeholders.

Infrastructure and Learning Resources

The Institution is spread over 5.35 acres with good infrastructure including adequate classrooms with ICT facilities, state of the art laboratories, modern teaching aids and well-structured teaching learning process to enable effective OBE System.

The Institute is well equipped with good IT infrastructure and central computing facility. Advanced high end computers with necessary hardware and software facilities are available. The internet bandwidth is 350Mbps on 1:1 high speed leased line. The entire campus is Wi-Fi enabled with adequate computing facilities. The faculty members and students make use of these facilities for enriching their domain knowledge.

The Institute has Library & Information Centre with well-equipped learning resources with modern technology. The operations of the Library is automated using Libsoft 12.0.0 version, web based OPAC, remote access to e-resources through Knimbus technology platform. The department libraries are also available for ready reference. The library provides adequate intellectual information for students and staff members with user friendly approach. It offers an integrated and dynamic environment for academics.

The Institute has Sports and Physical education department to promote the spirit of healthy competitiveness and team work among the students and faculty members. It organizes various sports events like annual athletic meet, Indoor and Outdoor games namely Chess, Carom, Table Tennis, Kabaddi, Swimming, Cricket and Volleyball etc.

The Institute amply supports and encourages the curricular and extra-curricular activities. Cultural Forum has many active clubs which imbibe among the students a sense of social responsibility towards social causes and issues.

Student Support and Progression

Bangalore Institute of Technology has a well established student support system. It helps the students to progress not only in academic but also in overall personality development. This includes training and placement cell, assistance for higher education, co-curricular activities, extra-curricular activities, student magazine; students project cell, techno cultural activities, scholarship and networked alumni to support students' progress. Various committees such as Women's Grievance and redressal committee, Anti Ragging committee, College internal complaint cell etc., are also formed to address the grievances of students.

An exclusive training and placement cell is established for providing and to improve the aptitude and soft skills of the students. The training and assessment tests are conducted regularly. Eligible students have got placed in various companies. Students are also encouraged to pursue higher studies. Many students have passed the competitive exams IIT, NET, GATE, SLET, CAT / GRE / TOFEL / GMAT / State Govt Examination, Civil Services and some of them have admitted for higher studies in abroad.

Students are encouraged to take part in State/ National level extracurricular activities and they have won much recognition in various competitions. Students participate in sports, cultural activities, project exhibitions etc. The Management has extended financial support for these events. The students have won prizes continuously.

Institute has an alumni association which will frequently conduct meetings and assist the technical events of the institution in which alumni of all departments take leading role. Alumni contribute for the development of the institution by extending their help in training the students. Alumni meet is conducted in the institution every year and also the department alumni meet is conducted regularly so that students of the department get benefitted from it.

Institutional Magazine and Department News-letters are periodically released which highlights the main events, programs and achievements of the respective departments. The students of the department actively take part in writing and editing the magazine.

Students admitted under SC/ST/OBC category receive scholarships from state government, central government and other national agencies. Management also encourages students by providing fee concession for eligible students.

Governance, Leadership and Management

Bangalore Institute of Technology has good governance practices, which helps the Institute to meet mandatory and high quality standards of academic, administrative and financial management. Quality policy of the institute strives to provide highly competent technical education. The governance committees of BIT constantly monitor the quality policy and function towards realizing vision and mission of the institute.

The Principal in association with the Governing body, staff and student council is proactively engaged to implement predetermined policies and thereby achieves preset administrative goals. The institute also implemented meticulously planned human resource practices, recruitment, training, performance appraisal etc.

The Institute has a decentralized budgetary system. The departmental budgets are prepared and submitted to finalize the institutional budget and then submitted to the management for further approval. The accounts are verified by auditors and the report is submitted to the management periodically during financial year.

The management of the institute comprises of the governing council formed as per the guidelines of the regulating authority. The council is guided by the executive members of RVS. The council meets twice a year to monitor and implement progressive activities of the institute.

Institutional Values and Best Practices

BIT has strong practice of adopting Institutional values and best practices among its students and faculty members. It provides safety, security and facilities to ensure comfortable working environment for all the employees and the students.

The motto of the Institute is “technology for prosperity” which reflects through providing professional education and training to all irrespective of caste, creed, religion, province, faith, gender, political affiliation and financial status. To inculcate good practices in developing professional competencies to provide consultancy to industry, to encourage research and take measures to address social and environmental concerns.

The Institute has formed various committees to monitor the day to day activities and to accomplish the mission and values of the institute. The committees regularly meet and suggest suitable initiatives with actions to be taken. The Institutional values like integrity, respect, responsibility and excellence are monitored by these committees.

The curriculum developed by the university also considers the professional ethics, universal human values, constitution of India and environmental studies. These values are deliberated, practiced and implemented through regular teaching learning process. BIT celebrates national festivals and international days of prime importance. Every year, World Water day, World environmental day, Teachers day, women's day, Engineers day are celebrated. Awareness programs such as Digital India, Make in India, Swatch Bharath etc. are also conducted. As a part of social responsibility, blood donation camps, creating digital tool awareness in government schools, road safety measures, constitutional rights, consciousness on voting rights among youths etc were conducted.

Best practices of professional education system are successfully implemented in the institute. Utilisation of solar energy and LED bulbs provides an alternate source to contribute for energy conservation in the campus. Wet and dry waste generated is managed properly, Sewage is treated in treatment plant installed in the premises and disposed to public network system. Institution undertakes the regular quality audits on environment and energy. Facilities are provided for the disabled students and staff in terms of ramps and lifts.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	BANGALORE INSTITUTE OF TECHNOLOGY
Address	Krishnarajendra Road, Visveswarapura, Bengaluru
City	Bengaluru
State	Karnataka
Pin	560004
Website	www.bit-bangalore.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Aswath.M U	080-26613237	9845262955	080-22426796	principalbit4@gmail.com
Professor	Asha T	080-26615865	9880511358	080-22423996	ashat@bit-bangalore.edu.in

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	
Date of establishment of the college	01-08-1979

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Karnataka	Visvesvaraya Technological University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	14-06-2018	View Document
12B of UGC	11-04-2019	View Document

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	10-04-2019	12	

Details of autonomy

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

No

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?

Yes

If yes, name of the agency

NBA NIRF

Date of recognition

20-11-2019

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Krishnarajendra Road, Visveswarapura, Bengaluru	Urban	5.35	8539.67

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Electrical And Electronics Engineering	48	PUC or Twelve Grade	English	63	51
UG	BE,Electronics And Communication Engineering	48	PUC or Twelve Grade	English	190	170
UG	BE,Information Science And Engineering	48	PUC or Twelve Grade	English	64	63
UG	BE,Industrial Engineering And Management	48	PUC or Twelve Grade	English	63	30
UG	BE,Computer Science And Engineering	48	PUC or Twelve Grade	English	195	193
UG	BE,Mechanical Engineering	48	PUC or Twelve Grade	English	190	160
UG	BE,Civil Engineering	48	PUC or Twelve Grade	English	190	143
UG	BE,Electronics	48	PUC or	English	63	47

	cs And Telecommunication Engineering		Twelve Grade			
UG	BE,Electronics And Instrumentation Engineering	48	PUC or Twelve Grade	English	63	45
PG	Mtech,Electronics And Communication Engineering	24	B.E.	English	24	11
PG	Mtech,Electronics And Communication Engineering	24	B.E.	English	18	16
PG	Mtech,Information Science And Engineering	24	B.E.	English	24	7
PG	Mtech,Computer Science And Engineering	24	B.E.	English	18	14
PG	Mtech,Mechanical Engineering	24	B.E.	English	24	8
PG	Mtech,Mechanical Engineering	24	B.E.	English	18	14
PG	Mtech,Civil Engineering	24	B.E.	English	18	18
PG	MBA,Master Of Business Administration	24	Any Degree	English	60	60
PG	MCA,Master Of Computer Applications	36	Any Degree	English	60	58

PG	Mtech,Electronics And Instrumentation Engineering	24	B.E.	English	24	0
Doctoral (Ph.D)	PhD or DPhil,Electrical And Electronics Engineering	48	M.E.or M.Tech	English	2	2
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	48	M.E. or M.Tech	English	1	1
Doctoral (Ph.D)	PhD or DPhil,Information Science And Engineering	48	M.E. or M.Tech	English	1	1
Doctoral (Ph.D)	PhD or DPhil,Industrial Engineering And Management	48	M.E. or M.Tech	English	1	1
Doctoral (Ph.D)	PhD or DPhil,Computer Science And Engineering	48	M.E. or M.Tech	English	2	2
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	48	M.E. or M.Tech	English	2	2
Doctoral (Ph.D)	PhD or DPhil,Civil Engineering	48	M.E. or M.Tech	English	5	5
Doctoral (Ph.D)	PhD or DPhil,Master Of Business Administration	48	M.E. or M.Tech	English	2	2
Doctoral (Ph.D)	PhD or DPhil,Electronics And Teleco	48	M.E. or M.Tech	English	1	1

	mmunication Engineering					
Doctoral (Ph.D)	PhD or DPhil, Electronics And Instrumentation Engineering	48	M.E. or M.Tech	English	1	1
Doctoral (Ph.D)	PhD or DPhil, Mathematics	48	M.E. or M.Tech	English	1	1
Doctoral (Ph.D)	PhD or DPhil, Physics	48	M.E. or M.Tech	English	3	3
Doctoral (Ph.D)	PhD or DPhil, Chemistry	48	M.E. or M.Tech	English	1	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	31				52				209			
Recruited	20	6	0	26	33	19	0	52	96	113	0	209
Yet to Recruit	5				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				65
Recruited	46	19	0	65
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				213
Recruited	179	34	0	213
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	20	6	0	19	10	0	24	14	0	93
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	14	9	0	72	99	0	194

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	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

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	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	1	2	0	3

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
Doctoral (Ph.D)	Male	11	0	0	0	11
	Female	5	0	0	0	5
	Others	0	0	0	0	0
UG	Male	496	191	0	0	687
	Female	177	38	0	0	215
	Others	0	0	0	0	0
PG	Male	103	5	0	0	108
	Female	111	2	0	0	113
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	44	47	55	50
	Female	34	28	20	19
	Others	0	0	0	0
ST	Male	11	8	13	15
	Female	7	6	6	8
	Others	0	0	0	0
OBC	Male	230	232	240	248
	Female	148	125	112	112
	Others	0	0	0	0
General	Male	460	431	594	607
	Female	198	189	203	220
	Others	0	0	0	0
Others	Male	1	8	0	0
	Female	0	0	1	0
	Others	0	0	0	0
Total		1133	1074	1244	1279

3. Extended Profile

3.1 Program

Number of courses offered by the Institution across all programs during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
865	941	949	976	870
File Description		Document		
Institutional data prescribed format		View Document		

Number of programs offered year-wise for last five years?

2018-19	2017-18	2016-17	2015-16	2014-15
32	32	32	32	32

3.2 Students

Number of students year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
4660	4584	4820	4610	4427
File Description		Document		
Institutional data in prescribed format		View Document		

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

2018-19	2017-18	2016-17	2015-16	2014-15
641	656	639	636	632
File Description		Document		
Institutional data in prescribed format		View Document		

Number of outgoing / final year students year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1192	1232	1110	1084	1057
File Description		Document		
Institutional data in prescribed format		View Document		

3.3 Teachers

Number of full time teachers year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
295	302	305	266	205
File Description		Document		
Institutional data in prescribed format		View Document		

Number of sanctioned posts year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
248	306	306	306	306
File Description		Document		
Institutional data in prescribed format		View Document		

3.4 Institution

Total number of classrooms and seminar halls

Response: 77

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
1836.93	1874.86	1870.54	1683.13	993.86

Number of Computers

Response: 1176

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

Bangalore Institute of Technology (BIT) is affiliated to Visvesvaraya Technological University (VTU), Belagavi, Karnataka. The Board of Studies (BOS) of VTU will frame the scheme and syllabus for each program and Calendar Of Events(COE) to execute the academic activities. BIT abides by the academic rules & regulations of VTU and in turn frames the institute COE. Based on VTU and Institute COE, each department will frame their COE.

The procedures for effective implementation of curriculum are such as subject allocation meeting, preparation of lesson plan before the commencement of classes, syllabus coverage as per the lesson plan and its recordings in Teacher's diary, monitoring of student course learning through CIE and ensuring the coverage of 1/3rd course syllabus for each of CIE tests.

Program coordinator and the academic committee will identify the gaps in curriculum to meet the student needs. "Content beyond syllabus" is delivered to the students through organizing workshops, seminars, expert lectures/ invited talk and conferences in the Institute. Skill development and Placement Training is conducted to the enable students to secure Jobs.

Department will formulate timetable committee before the commencement of each semester. Head of the Department(HOD) conducts a meeting of all teaching faculty and each faculty will be given a chance to choose courses of their choice. The head of the department allocates courses and workload as per the guidelines of the University. Timetable and COE of each department will be prepared before the commencement of the semester.

Course coordinator prepares course plan (Lesson Plan) for the allotted courses. Further, the concerned module coordinator sets up a meeting with course coordinators and suggests modification if required and finally it will be approved by the departmental Internal Quality Assurance Cell (IQAC).

The different modes of teaching adopted are conventional black board, power point video presentation and recorded videos. Each course coordinator is required to record the work done statement in the Teacher's work diary and to be approved by the HOD periodically.

For each course, evaluation will comprise of two components: Continuous Internal Evaluation(CIE) and Semester End Examinations(SEE), the weightage is 40% and 60% respectively from 2017 onwards. CIE will be conducted through Internal Assessment tests (30%) & assignments/seminars/quizzes/field visits (10%). Test question paper, scheme & solutions will jointly be prepared by Course coordinators and fine-tuned by the module coordinator and will be audited and approved by program coordinator & IQAC before the test. Evaluation of test performance will be carried out by course coordinators.

Based on the performance, students will be grouped as slow & fast learners. Remedial classes will be conducted for slow learners. Students will be encouraged through student counselling processes to get prepared for competitive examinations like Engineering Service, GRE, GATE, TOEFL, CAT etc. SEE will be conducted and evaluated by University at the end of the semester.

File Description	Document
Upload Additional information	View Document

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

BIT strictly adheres to the COE given by VTU in conducting all the academic activities. The institute prepares COE which includes Internal Assessment dates and co-curricular activities which are common to all the departments.

The departmental activities are Induction program, Program Assessment Committee (PAC) & Department Advisory board (DAB) Meetings, CIE schedule, Project / Internship / Technical Seminar evaluation schedules, Student Counselling, Seminar/Technical talk/ Guest Lecture schedule and Student Feedback.

The academic activities of the department start with subject allotment process based on the specialization of the faculties. The time table will be prepared and circulated among staff and students. The teacher plans the curriculum delivery, mode of delivery and study materials and prepares the lesson plan along with CO-PO Mapping. At the beginning of the semester, the course beginning survey for individual courses is conducted. Student counselling is conducted to address the problems & difficulties of the students. CIE is conducted and evaluated as per the calendar of events. Remedial classes will be conducted for slow learners and improvement tests will be given.

Feedback from the students will be collected at the end of the semester and necessary instruction will be given to the faculty to improve the quality of teaching. To enhance the knowledge and skills of the students, Seminars/Workshops/Technical talks will be conducted on the latest technologies. The performance as well as curriculum gaps of the student is continuously evaluated with respect to Theory, Laboratory, Project, Seminar and Internship courses.

1. Internal Assessment Tests for theory subjects:

For 2015 scheme, internal evaluation was conducted for 20 marks. An average of best two tests is considered out of three conducted tests for 30 marks. These marks were scaled down to 15 and the remaining 5 marks were awarded by conducting quiz or assignments. For 2017 and 2018 scheme internal evaluation is for 40 marks. Average of all three tests of 30 marks each and the remaining 10 marks will be awarded by conducting quiz/assignments/seminar. The portion coverage for the test will be normally 1/3rd of the syllabus. The Course coordinator will prepare the question paper along with scheme and solution based on the syllabus covered in-line with Course Outcome, Program Outcome and Revised Bloom's Taxonomy. The module coordinator, Program coordinator and IQAC scrutinize the question paper. The Course handling faculty will evaluate the answer books as per the scheme and solution and marks sheet is

submitted to the HOD.

1. Internal Assessment for Laboratory:

This assessment component includes write up, design, execution, observation, analysis, modification and viva-voce. The marks will be allotted as per rubrics framed by the course coordinator.

1. Seminar, Internship and Project:

To assess the Technical seminar, Internship and Project, the rubrics are framed. In the U.G. program, the project groups are formed with a maximum of 4 students per group. In P.G. program, individual student will carry out the project. The project work will be evaluated by conducting multiple reviews at different phases of the project.

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

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

E. None of the above

D. Any 1 of the above

C. Any 2 of the above

B. Any 3 of the above

Response: B. Any 3 of the above

File Description	Document
Institutional data in prescribed format	View Document
Details of participation of teachers in various bodies/activities provided as a response to the metric	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented	
Response: 100	
1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.	
Response: 32	
File Description	Document
Minutes of relevant Academic Council/ BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.2.2 Number of Add on /Certificate programs offered during the last five years											
Response: 3											
1.2.2.1 How many Add on /Certificate programs are added within the last 5 years.											
<table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0</td> <td>0</td> <td>1</td> <td>1</td> </tr> </tbody> </table>		2018-19	2017-18	2016-17	2015-16	2014-15	1	0	0	1	1
2018-19	2017-18	2016-17	2015-16	2014-15							
1	0	0	1	1							
File Description	Document										
List of Add on /Certificate programs	View Document										
Brochure or any other document relating to Add on /Certificate programs	View Document										
Any additional information	View Document										

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years**Response:** 0.78**1.2.3.1 Number of students enrolled in value added courses (beyond the curriculum) offered year-wise during last five years.**

2018-19	2017-18	2016-17	2015-16	2014-15
127	0	0	24	28

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	View Document

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:**

The curriculum of VTU addresses moderately the cross cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.

Gender equality:

Gender equality and the empowerment of women are cross-cutting issues for all developmental activities and indeed play a vital role in policy making as well. In BIT male and female have access to the same opportunities and resources and participate equally in the decision making. To ensure this the institute has formed various committees such as women grievances & redressal cell, SC/ST committee, college internal complaints committee and anti-ragging committee. Gender awareness workshops, talk on gender sensitization are conducted through voice club during induction program.

Human Values & Professional Ethics:

Teaching as a profession conduct oneself in accordance with the ideal of the profession. Every teacher should see that there is compatibility between his/her precepts and practice. The term value at BIT stands for 'efficacy' education which has built on value-system, conducive to the development of physical, intellectual, moral life of students. The Constitution of India & Professional Ethics as a course is an effort to apprise engineering students about the fundamentals of Indian Constitution & Professional Ethics. The

outcomes of this course are

- 1.To impart basic knowledge about the Constitution of India.
- 2.To educate the students about their obligations, responsibilities, privileges, rights & duties.
- 3.To get insights on administrative and judicial setup of the country.
- 4.To know the Human rights and concept of women empowerment.
- 5.To impart knowledge about state and central policies, fundamental duties, electoral process, amendment procedure and emergency provisions.
- 6.To develop a balanced outlook towards the law especially as it relates to engineering profession.
- 7.To inculcate the concept of safety, risk, benefit and cost as these relate to technology.
- 8.To understand the human rights, professional rights and employee rights as elements of moral rights.
- 9.To be aware of global issues in technology includes ethical concerns and consequences.
- 10.To recognize an engineer's responsibility towards his/her peers, the community and the professional society.

Environment and Sustainability:

As per the curriculum of VTU, all the students will undergo one course on environmental studies during their undergraduate program. This course focuses on eco system, environmental impact assessment and sustainable development. Issues related to natural resources, water resources and energy are also deliberated in this course. The course also includes various environmental pollutions such as water, air, land, noise and their impact on public health, waste management. GIS (Geographic Information System) & Remote Sensing and their applications in Environmental Engineering practices, Environmental Acts & Regulations, Role of government, Legal aspects, Role of Non-Governmental Organizations (NGOs), Environmental Education & Women Education are also introduced in the course.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View Document
Any additional information	View Document

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 34.02

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
320	315	318	309	300

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Any additional information	View Document

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

Response: 99.83

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

Response: 4652

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni

E. None of the above

D. Any 1 of the above

C. Any 2 of the above

B. Any 3 of the above

Response: B. Any 3 of the above

File Description	Document
Any additional information (Upload)	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback process of the Institution may be classified as follows: Options:

- 1. Feedback collected, analysed and action taken and feedback available on website**
- 2. Feedback collected, analysed and action has been taken**
- 3. Feedback collected and analysed**
- 4. Feedback collected**
- 5. Feedback not collected**

E. Feedback not collected

D. Feedback collected

C. Feedback collected and analysed

B. Feedback collected, analysed and action has been taken

Response: C. Feedback collected and analysed

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 87.54

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

2018-19	2017-18	2016-17	2015-16	2014-15
1133	1074	1244	1279	1300

2.1.1.2 Number of sanctioned seats year wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1367	1377	1385	1380	1378

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2 Average 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: 92.95

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

2018-19	2017-18	2016-17	2015-16	2014-15
565	591	581	602	638

File Description	Document
Average percentage of seats filled against seats reserved	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

2.2.1. The institution assesses the learning levels of the students, after admission and organizes special Programmes for advanced learners and slow learners.

Students from various backgrounds and from different places are admitted to BIT. To take care of the students, various events are conducted. An induction program organised for newly admitted students is one among them. This provides an opportunity to students to get adjusted to institute environment, develop bond amongst them and with faculty. Induction program is used to explore the academic interests, activities of students and educate them on:

- Professional Ethics in Engineering & Society
- VTU Rules and Regulations
- Functioning of various cells in the institution like Anti-Ragging Cell, Women Grievance Cell and Internal Complaints Committee
- Activities in Cultural, Technical and Sports Clubs of Institution
- Industry-Institute Interactions and Alumni Interactions
- Qualities of Professional Education
- English Proficiency for Technical Education
- Universal Human Values & Leadership Qualities
- Facilities in the Departments, Central Library and other institutions of the campus

Methodologies to identify advanced learners:

Encouragement to the advanced learners will enhance the quality of student outcome and motivate slow learners as well. The advanced learners are identified from their active participation in classroom discussion, extra-curricular activities and their performance in internal assessments as well as in previous semester university examination. Their learning requirements are identified through course beginning survey.

Special Programs for advanced learners:

1. The advanced learners are encouraged to participate in symposia, workshops, seminars and technological events to gain knowledge on the latest cutting-edge technologies and developments.
2. They are facilitated to take up industry based projects/internships in the innovative topics under the guidance of faculty.

3. They are encouraged to lead the students' chapter and club activities to organize various activities such as paper/poster presentation, lecture series etc.
4. They are assisted to present/write research articles and to contribute for college magazine/journals.
5. They are encouraged to lead, plan and organize seminars/conferences at department level so as to interact with academia/industry experts.
6. They are grouped with slow learners and instructed to assist them in academic issues.
7. Soft skill, aptitude, and technical trainings are conducted by Placement and Training Centre of BIT.

Methodologies to identify slow learners:

The slow learners are identified from their participation in classroom activity, performance in internal assessments and the results of previous semester university examination. Their learning requirements are identified through course beginning survey.

Special Programs for slow learners:

1. Tutorials / remedial classes are conducted for slow learners after class hours to clarify their doubts. Key fundamental topics are discussed again to improve their learning.
2. Every teacher is assigned a group of 20-25 students for regular monitoring. Students are counselled in a friendly way and offered help to overcome their academic problems.
3. Attendance and performance of slow learners in internal tests is monitored and same is intimated to their parents on regular basis through phone calls/messages.
4. Personal attention is given to slow learners in class room.
5. The slow learners are grouped with advanced learners to make them feel educationally and socially comfortable in the institute.

File Description	Document
Upload any additional information	View Document
Past link for additional Information	View Document

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 15.8

File Description	Document
Any additional information	View Document

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

Response:

As per VTU curriculum, teaching –learning methodologies are planned and practiced. At institution level, as per VTU academic calendar, a calendar of events is prepared taking in to account the teaching- learning process.

Lecture method and Interactive learning:

All the theory courses are engaged by conventional method. The faculty use traditional way in teaching and learning. The students are encouraged to interact during the lecture hour for doubts clarification. Faculty also uses ICT tools like power point and video presentations in teaching certain courses. Course materials are prepared and made available in Institute website.

Experimental learning:

Students are engaged in two laboratories per semester from first to seventh semesters. Apart from the university specified curriculum, students are exposed to additional experiments keeping in view for the better and clear understanding of the course. The Laboratory manuals for all practical courses are made available. Students are demonstrated with latest software tools to enhance the learning techniques.

Participative Learning

Students are encouraged for active participative learning like attending conferences, competitions & exhibitions for demonstrating their models.

Seminar-based learning:

During the period of study in the 8th semester, students are advised to carry out literature survey & present a seminar on a latest topic relevant to their discipline and independent of their project work topic.

Project-based learning:

During final year, many real time projects are given to the students and are guided by both faculty and Industry/Research personnel. Also regular seminars are presented by students regarding their project progress and completion.

Industrial Visits:

During the second/third/fourth year, the departments conduct visit to industries for practical exposure in their respective field.

Tutorial classes:

Tutorial classes are conducted for ease of understanding of numerical problems in every course.

Assignments:

Assignment questions are to be given to each student for a course and the teachers evaluate the assignments and are considered for awarding IA marks. Students are informed to submit the assignments in a timely manner and marks are allocated on submission.

Seminars/technical talk/ workshops:

Regular seminars/ technical talk/ workshops are organized by chapters, clubs, departments and placement cell. Resource persons from industry, academia and research institutions are invited to deliver series of lectures.

On line lectures:

In the event of unavoidable circumstances or as in case of lock down, online classes are engaged using various free/ paid software tools like Google meet, Microsoft team, WebEx, zoom, Skype etc.,.

Lecture videos: The videos of the lectures are recorded and uploaded to resource portal. The students are informed to view the same at their convenient time for better understanding.

Videos of Laboratory experiments: Videos of conduction of laboratory experiments along with necessary details are prepared and uploaded in the resource portal so that students can refer to it for better understanding.

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Innovations by the faculty in Teaching - Learning:

The faculties of BIT have the practice of adopting innovations in teaching learning process. Few are mentioned as follows.

- Effective teaching using smart classrooms.
 - Various teaching aids and methodologies to satisfy the requirement of OBE.
 - Expert videos on various subject lectures delivered by eminent resource personalities are made available in the digital library. It facilitates the faculty and students to utilize e – resources of NPTEL, access to E-Journals, Video Conference studio etc...
 - Faculty members utilize digital library facilities in addition to Auto Desk, Mi-Power, MATLAB, P-Spice and other Open Source tools to understand and deliver the course content effectively.
 - The faculty members are encouraged to participate in STTP, FDP, webinar and workshops on advanced topics to upgrade their knowledge and skills.
 - The faculty members are encouraged to participate/present papers/posters in National/International conferences/workshop to enrich their knowledge and publish their articles.
 - Bangalore Institute of Technology has various laboratories which are well equipped with state of art facilities comprising of latest experimental modules and software tools to practice and enrich their skill with the cutting-edge technology. Some of the software tools used are as follows
- Keil software for studying Microcontrollers
 - P-Spice software for simulating Electrical and Electronic Circuits.
 - MATLAB for modeling and analyzing Control System, Signal Processing and Power System Problems.
 - AutoCAD and Solid Edge for Drafting Problems
 - MI-Power software for Modelling and analyzing Power System Problems and many more...
 - Rational Rose software for software modeling and design.

On line lectures:

Today's learning process encourages the students to engage online classes. Faculty are advised to use online ICT platforms like google meet, Microsoft team, WebEx, Zoom, Skype etc. Classes are conducted with the aid of power point presentations, pdf files or using whiteboard.

Webinars: Online webinars are conducted by the resource personalities on various topics in emerging technologies.

Contributions to teaching and learning activities emphasize to the improvement in student learning that include innovations like use of ICT for instruction delivery, instructional methods, assessment, evaluation and inclusive class.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View Document

2.3.3 Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

Response: 17.79

2.3.3.1 Number of mentors

Response: 262

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 94.25

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with 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: 22.5

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

2018-19	2017-18	2016-17	2015-16	2014-15
84	72	59	49	46

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 12.18

2.4.3.1 Total experience of full-time teachers

Response: 3594

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

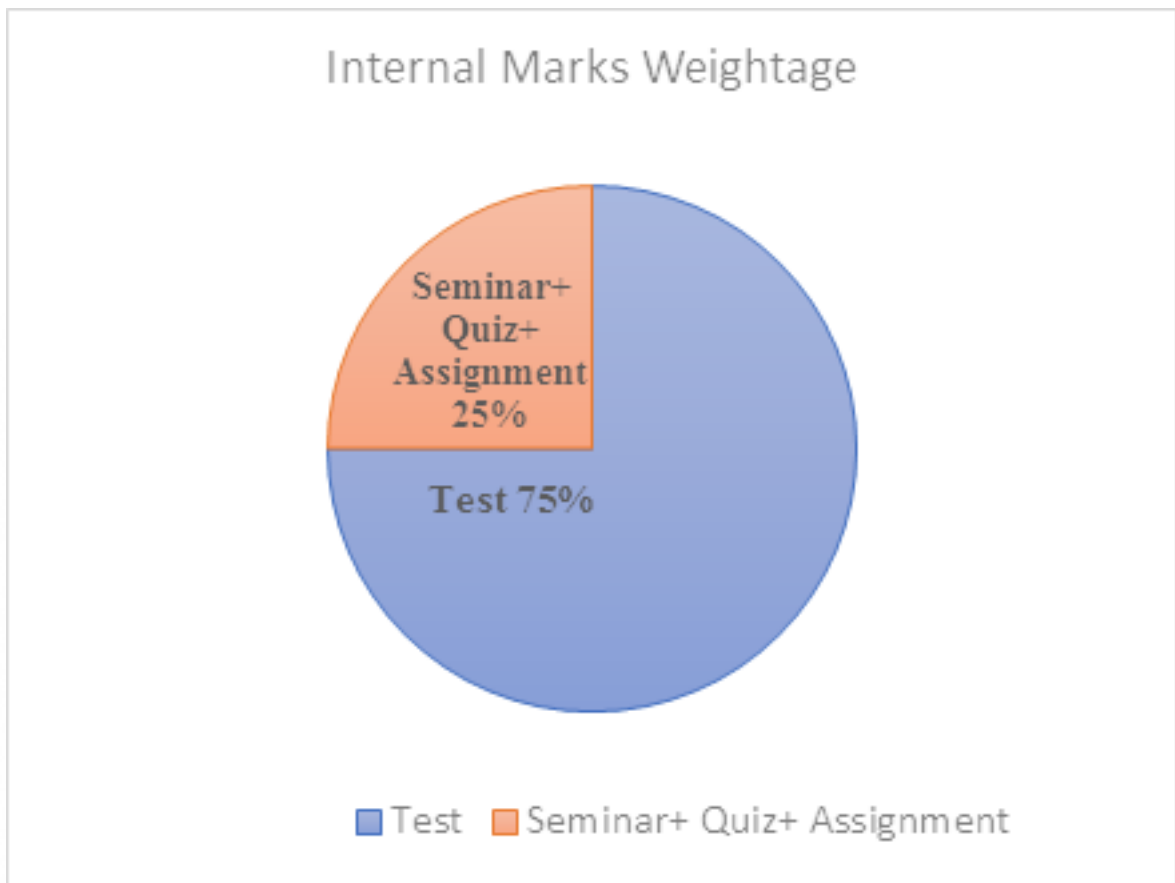
2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

The Internal Assessment (IA) test is one of the components to assess the performance of the students. This help the students to understand their capability in the learning process.

BIT is affiliated to Visvesvaraya Technological University (VTU), Belagavi. The Institute follow the guidelines and methods to carry out the continuous internal evaluation process. The process followed for the smooth conduction of IA is as follows.

- The IA tests are conducted as per the calendar of events normally 5th, 10th and 13th week of the current semester
- Once the defined percentage of portions is covered within these intervals, respective course coordinator will prepare the question paper for their course along with the scheme & solutions.
- The question paper & scheme of evaluation prepared by the course coordinator will be scrutinized by the committee comprising the module coordinator and programme coordinator to verify the following contents in the given prescribed format.
 - Portion Coverage
 - Question paper pattern
 - Duration of the test
 - Marks distribution
 - Subject code/Subject title
 - Course outcomes
 - Programme outcomes
 - CO-PO Mapping
 - Revised Blooms Taxonomy Learning levels
 - Quiz
 - Scheme of evaluation
 - There will be an invigilator in every room and CCTV camera is installed to monitor the conduction of test.
 - During conduction of the test, Institute test-monitoring committee visits randomly to ensure the discipline for smooth conduction of the test.
 - The blue/yellow books will be in the custody of the course coordinator and given a maximum of one-week time to evaluate the answer books as per the scheme & solutions approved by the committee.
 - The course handling faculty will discuss the scheme and solutions in the class room.
 - The course coordinator will evaluate blue/yellow books with proper comments on the answers written.
 - If there is any discrepancy in the evaluation, students are encouraged to bring it to the notice of the course handling faculty and head of the department.
 - The signature of the student is taken for each and every test as well as during the finalization of the marks before uploading to the University Portal.
- Percentage of Weightage considered to calculate the final IA marks is as shown in the pie chart below.



- Internal evaluation of Laboratories, Projects, Seminars and Internships are carried out by a panel consisting of a Senior faculty member along with the respective internal guide by following the defined rubrics.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

The mechanism adopted by BIT to deal with the grievances related to internal and external examinations are as follows.

Internal Examinations

The program consists of several components such as **Theory, Laboratory, Seminar, Internship and Project.**

Theory Internals

As per VTU guidelines, tests are conducted during the 5th, 10th and 13th week of each semester. The syllabus for the tests is announced well in advance. Question paper is prepared by the concerned course coordinator considering the course outcomes, Bloom's taxonomy and Program Outcomes. The course coordinator evaluates the answer books as per the scheme and solutions, the same will be brought to the students' notice. The students have liberty to raise their doubts and get clarified about their marks awarded. The remedial classes are conducted and improvement test is given to the students with poor performance.

Laboratory

For practical courses, evaluation is on weekly basis along with two internal examinations and marks are awarded as per rubrics.

Seminar

A panel of faculty members with internal guide, judge the presentation skills and award the marks as per rubrics viz., complexity, communication, report, presentation, question and answers.

Internship

Students have to undergo internship training for six weeks in the industry and marks are awarded as per rubrics.

Project

The students have to carry out their project work in final year. Before the commencement of the project work, they are required to submit the synopsis depicting the objective, tools & techniques, list of modules to be designed and implemented during the project work. An internal guide is allotted to each project group and the students are required to submit the weekly progress report. Review committee consisting of senior faculties will review the work done. Two/Three reviews are conducted and marks are awarded based on the rubrics framed.

EXTERNAL EXAMINATION

The VTU releases the calendar of events online well in advance before the commencement of semester.

The semester end examination and evaluation is conducted by the Visvesvaraya Technological University (VTU).

The examination section of the Institute coordinates with the University for the smooth conduction of the examinations. The following activities are involved during the conduction of the examination.

- Displaying external examination timetable, collecting examination fees, issuance of hall ticket, room allotment, announcing results, collecting revaluation fees and issuance of marks sheet.
- Resolving the examination related queries.
- University ensures the transparency in conducting the examination by i) Distributing question

papers just 30-45 minutes before the commencement of the examination using question paper delivery system (QPDS) ii) Appointing one external deputy chief from other affiliated college, iii) By appointing flying squad to report malpractices if any. iv) The answer booklets are sent to the University. v) Digitizes answer booklets, conducts centralized evaluation. vi) University appoints evaluator and moderator for valuation. vii) Institute appoints a Professor as a VTU coordinator who addresses the queries related to the result, marks card, hall tickets etc. at the University level.

- The results will be announced in VTU website once the evaluation process is completed.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

Program Outcomes are specified by National Board for Accreditation based on Washington Accord. Course Outcomes framed by VTU are refined by the concerned programme committee members of the respective department.

The Programme Outcomes are disseminated to teachers through Website, Notice Board, Teachers Diary, Attendance Registers, Department premises, Class rooms, Staff room, Departmental corridors, laboratories, standees, and through signature email also

The students are made aware of Programme Outcomes through Proctor book, Laboratory records, Class rooms, Department premises, Website, Notice Board, internship reports, seminar reports, project evaluation records, etc.

The Course Outcomes finalized by the committee are incorporated in the course lesson plan and are highlighted and communicated to the students in the beginning of the semester.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	View Document
Upload any additional information	View Document
Past link for Additional information	View Document

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

Course outcomes of a Programme are evaluated by considering the components namely Continuous Internal Evaluation (CIE) and Semester End Examination (SEE).

Continuous Internal Evaluation is attained using Direct Assessment tools and Indirect Assessment tools.

Direct Assessment tool consists of three internal assessment tests, assignments/quiz/seminar.

All Course outcomes of a course are evaluated considering the performance of all students.

For example

- If a student scores below **X%**, attainment level is taken as 1.
- If a student scores between **X% to Y%** attainment level is taken as 2.
- If a student scores above **Y%** attainment level is taken as 3.

*Note : X is less than Y (E.g. X = 60% and Y=70%)

Indirect assessment method includes course end survey conducted at the end of the semester

For Semester End Examinations target is specified.

For example:

Each student should get a minimum of 40% or 50% of maximum marks

- If 60% of the students attained the target, attainment level is taken as 1
- If the percentage of students achieving target is between 60% to 70%, attainment level is taken as 2
- If the percentage of students achieving target above 70%, attainment level is taken as 3.

Final course outcomes are evaluated considering

40% Semester end exams + 60% of Continuous Internal evaluation or 60% Semester end exams + 40% of Continuous Internal evaluation or 80% Semester end exams + 20% of Continuous Internal evaluation.

Programme Outcomes are evaluated using direct attainment and indirect attainment.

Direct Attainment (90% weightage)

1. Final learning Course Outcomes of all courses attained through internal assessment viz. test and quiz / assignment / seminar.

Indirect Attainment (10% weightage)

1. Program Exit Survey
2. Alumni Survey
3. Employer survey

For Example:

Direct Assessment: Course 1 – High (3), Course 2 – Medium (2), Course 3 – Low (1) Course 4 – High (3). Then attainment level will be summation of all levels divided by number of courses mapped $(3 + 2 + 1 + 3)/4 = 9/4 = 2.25$.

Indirect Assessment: Surveys and Analysis are normalized to an average value as per levels 1, 2 & 3. Assume that level is 2.

Then PO Attainment level will be 90% of direct assessment + 10% of indirect assessment $2.03 + 0.2 = 2.23$.

File Description	Document
Upload any additional information	View Document
Paste link for Additional information	View Document

2.6.3 Average pass percentage of Students during last five years

Response: 94.96

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

2018-19	2017-18	2016-17	2015-16	2014-15
1210	1260	1188	1097	1038

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

2018-19	2017-18	2016-17	2015-16	2014-15
1254	1329	1291	1141	1089

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View Document
Upload any additional information	View Document
Paste link for the annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document
Upload any additional information	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

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

Response: 77.39

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)

2018-19	2017-18	2016-17	2015-16	2014-15
15.27	20.20	0.095	20	21.82

File Description

Document

List of endowments / projects with details of grants

[View Document](#)

e-copies of the grant award letters for sponsored research projects / endowments

[View Document](#)

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 19.32

3.1.2.1 Number of teachers recognized as research guides

Response: 57

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 28.57

3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
4	10	1	2	3

3.1.3.2 Number of departments offering academic programmes

2018-19	2017-18	2016-17	2015-16	2014-15
14	14	14	14	14

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Paste link to funding agency website	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:

Engineering profession demands both innovation and entrepreneurship, more so in the present state of affairs of competitiveness and rapidly evolving technical knowhow. The ever demanding modern world's expectation from engineers is dynamic and poses with new challenges seeking critical solutions particularly sustainable one. Hence, to pursue career of a successful engineering professional, it is vital to be innovative in every aspect including managing material and other resources. While fulfilling this requirement, the institute has established Innovation and Entrepreneur Development Cell (IEDC) to thus enable the students to acquire creative and innovative outlook. IEDC-BIT is taking every opportunity to ignite the minds of students which motivates them to be creative and innovative. Also IEDC-BIT identifies such potential students and nurtures their entrepreneurial ambition by providing the opportunity, skill, knowledge and resources needed for idea incubation.

IEDC has conducted various activities for the career enhancement of students at different levels like Creating Awareness Programs, Mentoring Students, startup initiatives like assisting in getting financial support for Startups, collaboration with research institutions and other industrial manufacturing related careers. IEDC has created a platform, like Brainstorm sessions through which students views on different research ideas are received. On the basis of qualitative and quantitative analysis of these views, ideas are shortlisted and suggested for incubation and development. IEDC encourages on establishing different skill development clubs constituted and managed by the students with faculty and industry supervision.

Notable events of IEDC which engrossed student attention are,

- Panel discussion on “**Entrepreneurship and Leadership**”, was organized to spread awareness among the students of BIT regarding how to start off their entrepreneurial journey. The program included sessions on aspects of entrepreneurship like motivation talks from entrepreneurs and people from government body like **MSME and CIMSME**.
- “**Two Step Entrepreneur**”, a team event, here teams were given an organization for which they need to do the relevant marketing and pitch their USP's which ignited entrepreneurial spirit among the students
- “**Stock Market 101**” was organized to give exposition of stock market. It started with basic vital question, *Why to invest?* Delving on this question, gave an insight to the participants on financial wellness particularly, protecting the investment against risk in the stock market.
- The event **IDEA LAB** was organized for students to accomplish the first step towards entrepreneurial journey. Participants of this program realized the steps involved in generation of transformational and innovative ideas which are executable.
- The event **BRAINSTORM-1.0** event is focused on design thinking, its realization and implementation, overcome pain points in technology and business industry.
- **BRAINSTORM-2.0** event was meant for the students to learn about the Business Model Canvas.

IEDC-BIT coordinates with R & D cell and IPR-BIT to help and motivate students on issues related to patents; patentable research and skill based training programs for lifelong learning. Thus IEDC-BIT contributing significantly to create a sustainable innovative and creative mindset among all the stakeholders, by establishing itself as an important link between institute and research establishments, industries, startups and incubation centers.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 19

3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
4	4	9	1	1

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	View Document
Any additional information	View Document

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years	
Response: 3.18	
3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years	
Response: 181	
3.3.1.2 Number of teachers recognized as guides during the last five years	
Response: 57	
File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
URL to the research page on HEI website	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years				
Response: 1.52				
3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.				
2018-19	2017-18	2016-17	2015-16	2014-15
64	122	95	87	50
File Description	Document			
List of research papers by title, author, department, name and year of publication	View Document			

3.3.3 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:** 0.4**3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
9	42	21	23	14

File Description	Document
List books and chapters edited volumes/ books published	View Document
Any additional information	View Document

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:**

Bangalore Institute of Technology strongly believes that, through involvement of its students and faculty, it can contribute significantly to the overall efforts made towards rejuvenation of society and keep up its wellbeing. Simultaneously it is important to motivate and prepare each one of the young student community to realise his/her intrinsic abilities. The intrinsic abilities of the student can be channelized effectively to gain self benefit and contribute to the one's social responsibilities. To meet this objective the institute has encouraged establishment of several student clubs to offer avenues for the students to take part in extra-curricular activities. Intent and goals of these clubs work around the broad objectives of the National Service Scheme (NSS). Added to these, recently the institute has initiated the process to establish NCC at BIT. Some of the extension activities of these clubs are as follows:

Rotaract Club of Bangalore BIT (RCBIT):

- Blood donation camps, 4th August 2016 & 22nd Feb 2017: Students and faculty volunteered to donate more than 700 units and handed over to Victoria Hospital, KIMS Hospital and Sanjay Gandhi Hospital.
- RCBIT organised and celebrated Independence Day along with special school kids. A program was organised for the students of Arpana CSI School. The Event was marked by educating the kids about freedom struggle, cultural programs and distribution of footwear to the students
- Annually, RCBIT conducts Spell Star School Level Spell Competition for school kids of Bangalore District and surrounding schools.
- On account of the auspicious occasion of Gandhi Jayanthi, the RCBIT family conducts a

cleanliness drive around the college area.

- Routinely organises interaction programs along with kids belonging to BBMP schools and Government schools of outside Bangalore, Women rights awareness programs, student carrier guidance programs etc.

LEO club of BIT is a branch of the Lions Club which mainly aims at positive youth development. The Club aims to provide the youth of the world with an opportunity for development and contribution, individually and collectively, as responsible members of the local, national and international Community.

- Restoration of a bus stop as a part of Swachh Bharath Abhiyan program
- Career guidance for SSLC students and distribution of bicycles to poor students
- Drishti – 3rd November 2017: Leo club of BIT organized an eye pledging program along with free eye test camp for students and faculty of BIT
- Run of hunger marathon - Leo club of BIT organized a marathon to raise funds for a cause to fight hunger and eradicate malnutrition

Along with these routine activities, LEO club also responds to exigency issues mobilising aids for the community and people affected by natural calamities.

The Eco club is dedicated to creating awareness about environment issues and about the campus cleanliness and hygiene among the students. Also it strives to educate the community about road safety related issues, air pollution, avoiding use of plastic and so on.

The Institute is taking all neighbourhood environments into consideration in terms of fundamental needs and other clean ecosystem requirements of the society.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 17

3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2018-19	2017-18	2016-17	2015-16	2014-15
3	3	4	4	3

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document

3.4.3 Number of extension and outreach Programmes 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: 47

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

2018-19	2017-18	2016-17	2015-16	2014-15
11	10	16	6	4

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 23.24

3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1135	445	2000	800	1030

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document
Any additional information	View Document

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 110

3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
65	40	3	1	1

File Description	Document
e-copies of related Document	View Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	View Document
Any additional information	View Document

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 96

3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
87	1	4	3	1

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

NVAAC

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

Bangalore Institute of Technology (BIT) was established in the year 1979. The campus is spread across over 5 acres of land. As per AICTE norms the Institution has adequate infrastructure and physical facilities such as spacious classrooms, Digital Studio, laboratories, workshops, libraries, faculty rooms, seminar halls, auditorium etc.,

The First Year Under Graduate Program in BIT currently has an intake of 1020 students and is allocated to 12 sections. The physical infrastructure available to first year students is as follows.

- 12 Class rooms each having area over 66 sq. m with ICT facilities
- Physics, Chemistry and CAED Laboratories with tutorial rooms
- Spacious Workshop
- Central computer laboratory with high end computers and internet facility

The department of Civil, Mechanical, Electronics & Communication and Computer Science & Engineering have an intake of 180 students each. During higher semesters, these students are allocated to 3 sections separately in individual departments. These departments have excellent physical infrastructure to enhance Teaching – Learning process. Few of them are listed as follows.

- 12 classrooms, measuring over 66 sq. m with ICT facilities
- Tutorial rooms of area 33 sq. m with projector system
- Adequate number of laboratories with state-of-art facilities
- Drawing halls measuring over 132 sq. m
- Workshop measuring over 200 sq. m with advanced machineries
- Computer laboratories with advanced software & hardware connected with LAN & internet facility

The department of Electronics & Instrumentation, Information Science, Electronics & Telecommunication, and Industrial Engineering & Management have an intake of 60 students each. During higher semesters, these students are allocated to 1 section separately in individual departments. These departments have 3 classrooms having area 66 sq. m with ICT facilities and adequate laboratories as per the requirements.

Further, every department has a Library, Research Laboratory and a Seminar Hall. The department of Civil, Mechanical, Electronics & Communication, Computer Science Electronics & Instrumentation and Information Science Engineering also offers Post Graduate Programs which have separate classrooms, tutorial rooms, laboratories and other physical infrastructure as per the requirements of the regulating authorities.

BIT also offers Master of Business Administration (MBA) and Master of Computer Applications (MCA) programmes and the respective departments have adequate infrastructure as per the requirements of AICTE & VTU.

Number of computers, printers, legal software and accessories are available to satisfy the requirement of the stake holders. The total internet band width available is 350 Mbps. The campus has complete Wi-Fi connectivity. Internet and Intranet facility is available in every department with separate internet servers. The IT infrastructure is maintained by the IT Cell of the college. The Institution has a full pledged Training and Placement centre, student counselling centre, NSS cell etc.,

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga etc.

Response:

BIT has adequate facilities for extracurricular activities. The extracurricular forum comprises of many clubs. These clubs help the students to expose their hidden talents out and to exhibit the same on various platforms. The aim is to encourage every student to be a member of at least one forum. The activities of these clubs enrich the social and cultural life at the campus and help students to develop leadership and team-building skills. Each of these clubs provides a platform to exchange knowledge, build awareness and receive recognition.

Every year, the Institute organizes an extravagant cultural event, MANTHAN a Two - Day Techno – Cultural Fest, Institute Day and many more cultural programs under the banner of BIT Clubs. There are two Seminar Halls with adequate seating capacity in BIT for conducting the cultural activities. The auditorium Kuvempu Kalakshetra is also used for bigger events. The various departments of the Institute have their own student association under which various Techno-Cultural events will be conducted. The Institution supports the students financially to participate in inter-college, University, State and National level cultural competitions.

The department of Physical Education and Sports of BIT was established in the year 1981. The mission of the department is to provide a broad spectrum of sports, recreation and leisure activities for students and staff. The primary motto is to provide programmes that stimulate growth, development and retention of the students in a contemporary and safe environment that develops fitness and wellness, social interaction and leadership opportunities.

In the campus the indoor sports arena comprises of two halls,

- Hall of area 36' x 32' is used for Table Tennis and Chess
- Hall of area 28' x 24' for Carom

The Outdoor Sports area is a Quadrangle of dimension 125' x 85'

- An area of 95' x 50' is used for Volley Ball and Basket Ball

- Area of 44' x 20' for Badminton

For other team events and annual sports meet, the Institute utilises National College Playground and Corporation Stadium on rental basis. The department has 225 Kabaddi mats of 35mm thickness. Playing equipments/sports items for both indoor and outdoor games are provided for all the participants. A minimum of 100 student and staff use the sports facility on any given day. During Institute annual day, cash incentives and awards are given for outstanding achievers in sports and cultural activities. Financial support in the form of TA/DA, Registration fee, Uniforms/Jerseys, is provided for all the participants for University, State and National level Competitions, both in cultural and sports activities. Gymnasium facility is available in both boys & girls hostels. The Institute organises the Yoga training program for students & staff by Yoga experts. The Institute also conducts yoga competitions and celebrates International yoga day regularly. During induction program the department of Physical Education and Sports conducts athletics competition and yoga training for newly admitted students. The Institute in association with Rotaract Club of Bengaluru conducts an inter-collegiate Kabaddi competition. The Institute proudly conducted National Inter University Aquatic Championship in association with VTU.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 58.44

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 45

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 8.49

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
350.00	321.25	112.50	3.75	0

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	View Document
Upload audited utilization statements	View Document
Upload any additional information	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

Library Automation: BIT has a well-established and advanced library and information Centre. It has been **fully automated in the year 2006** through the Licensed version of Library Management Software Package Libsoft 9.8.0 to **Libsoft 12.0.0**. All the transactions are being carried out through the barcode interface facilities.

Total Number of Computers : 30

Total No. of Printers : 03

Internet Bandwidth : 350 mbps (for BIT Campus)

Online Public Access Catalogue: The Library resources have been completely Bar Coded and automated using Libsoft 12.0.0 Library Management Software Package which helps in Transactions, OPAC (Online Public Access of Catalogues), reservation of Books etc.,

Web OPAC: Facilities made through Libsoft software to know the transactions and bibliographical details about the collection for users from any location.

URL: <http://119.161.98.143:8082>

Digital Library: A well equipped digital library with 18 nodes having IP based internet connectivity is housed in the Central Library to access e- resources through knimbus platform.

Electronic Resource Management Package (ERM) for e-Resources on Knimbus Platform:

Library has subscribed Knimbus through VTU consortium. It is an online platform acts as ERM package. All the e-resources have been integrated in the online portal includes Springer Nature, Taylor and Francis,

Elsevier Science Direct, ASME, Institution of Civil Engineers, Emerald, McGraw Hill Education, Packt etc. Knimbus provides facility for **Remote access and also through mobile application**. Federated searching tools to search articles in multiple databases available in this online Knimbus platform.

Turnitin: The Library has Turnitin software used for plagiarism check of articles by Faculty, Research scholars, UG & PG students.

NetAnalytiks: It is a sententia writing grammar tool, a formal writing assistant for students and professionals.

Institutional Repository: The Institutional repository has been created with D-Space Digital Library open source software to access freely downloaded e-books, Question papers, faculty publications & UG and PG course syllabus through local intranet.

Resource sharing Networks: The Library has membership with VTU Consortium, IISc, NAL, CMTI, IIMB and NDL.

Library Committee: In BIT, a library committee has been constituted under the guidance of Principal. It has a Chairman and members from each department. The committee normally meets twice in a year. It acts as an advisory body with regard to facilities, services and gives suitable suggestions for procurement of books and other relevant materials for better functioning of the library.

Library Website: This is integrated with college website: <https://bit-bangalore.edu.in/index.php/library/>

This portal provides the latest updates on the resources and services of the Library to the end user from time to time including open source e-resources and database through hyperlinks.

The Library is under CCTV surveillance for strict vigilance.

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

E. None of the above

D. Any 1 of the above

C. Any 2 of the above

B. Any 3 of the above

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 18.57

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
16.71	21.75	14.23	29.14	11.03

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.4 Percentage per day usage of library by teachers and students during the last completed academic year

Response: 19.41

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 962

File Description	Document
Details of library usage by teachers and students	View Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

BIT has a practice of updating its IT Infrastructure annually, whenever required and necessitate. The Institution affiliated to VTU changes the curriculum every 4 years to meet the industry requirements in cutting edge technologies. All the departments of the Institution are provided with high end computers & accessories so that all the students and staff can explore the latest technologies. Every department is having licensed system software as well as application softwares. To mention a few: Windows 10 operating system, Microsoft office tools 10, Keil, Matlab, Ansys 9.0, Hypermesh, Ls-Dyna etc.,

The Institution is using Student Information Management System (SIMS- Contineo) software to manage the student database such as attendance, assessment, counselling, learning level measurements and to manage many other student-related data.

Every department has a dedicated internet server with all the machines connected through LAN. All the computers in the Institution are connected to the servers through intranet connection. Through this LAN connection the information can be shared within the department as well as other departments also at any point of time. The main library has 30 computers and all are connected in LAN. The student & staff are allowed to use this facility to access research papers, e- journals, NPTEL videos etc., The companies visit the Institute for recruitment use this internet facility to conduct on-line test for the students.

The Institution has a high speed internet connection of 350 Mbps with 1:1 leased line. Each department is having internet laboratory with server used by the students as well as the staff members to access the information.

BIT gives importance to provide student centric facilities. Entire campus is Wi-Fi enabled with high speed internet connection to allow the students and faculty to access the internet at any place round the clock in the college and hostel premises.

TelexAir Telecom Private Limited is the internet service provider which offers 1:1 internet leased line to the Institution through optical fiber and RF channel.

During this unexpected COVID-19 pandemic, Institution purchased online teaching platforms such as Cisco Webex, Microsoft Teams and Zoom apps to conduct online classes to the students.

File Description	Document
Upload any additional information	View Document

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

Response: 3.96

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution

E. < 05 MBPS

D. 05 MBPS – 10 MBPS

C. 10 MBPS – 30 MBPS

B. 30 MBPS – 50 MBPS

Response: A. ?50 MBPS

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average 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: 85.89

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)

2018-19	2017-18	2016-17	2015-16	2014-15
1150.15	1749.39	1737.58	1542.49	884.29

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document
Audited statements of accounts	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

BIT has a well-established system and procedure for maintaining its physical, academic and other facilities. The Institution has separate committees headed by the Principal, HODs & Professors to monitor the functioning and utilization of various resources.

Laboratory: All the departments of the Institution are well equipped with state-of-art laboratories. The equipments, components, machineries, consumables and accessories are purchased based on the requirement given by the faculty through purchase & procurement committee. Display boards are put up with all academic and mandatory information. All laboratories have registers to show the effective usage. Regular stock verification and periodic service are done at regular intervals. The technical staff in the laboratory checks for the obsolete instruments and if anything has to be replaced then it will be reported to the laboratory in-charges. The foremen, in-charge for overall maintenance will prepare the consolidated report and handed over to the HOD. The HOD in turn asks for the approval from the Principal. After the approval, it will be handed over to the Purchase committee to call for the quotation from various suppliers and a comparative statement is prepared. The least quoted supplier will get the Purchase order. The newly purchased equipments with warranty period will be serviced as per the norms. Safety precaution tools like first-aid kit are kept in all the laboratories and the fire extinguishers are fitted in every floor. All major and advanced equipments including computers are maintained through Annual Maintenance Contract (AMC).

Library: The central library is fully automated with Libsoft 9.8.0 software developed by Environ Software Pvt. Ltd., Bangalore. A regular stock verification of books is done by the library. The library has kept distinct log-in registers for staff and students. The Digital library section provide the facilities to the staff, students and research scholars to access e-books, journals, audio books, NPTEL videos, soft copy of final year project reports of all UG/PG and also the old question papers. The library has well maintained reference section which is kept open round the clock. Procurement of books is done by collecting the request from all the departments. Quotation is obtained from different vendors and a comparative statement is prepared. The vendor with least price is given the order, after approval from the purchase committee. Books received are entered into the stock register and assigned with an Accession Number.

Sports Complex: The Physical Education Department of BIT organizes and manages all the sports activities. The Institution has indoor and outdoor games facilities offered to all students and staff. These facilities include table tennis, carom, badminton, volley ball, kabaddi and basketball etc., The annual sports day and other team events will be conducted in National college ground and Corporation stadium on rental basis. Sports equipments and articles are procured as and when necessitate following the

procedure through procurement committee.

Computers and accessories: The Computers of the Institution are maintained by respective system administrators. The inspection and service of the computers are being carried out regularly. Log-in registers are maintained in all computer laboratories to illustrate the effective usage. All computer systems are connected through LAN. Every department has separate computers for their staff usage. All the computers of the Institution are under AMC. If any problem with the hardware and software, it will be immediately brought to the notice of AMC by the system administrator and it will be resolved immediately or at the earliest. The data centre maintains all the databases, structured networking facilities and internet bandwidth of the Institution. The power backup facilities including UPS and batteries are monitored and maintained through AMC. The air-conditioners of the Institute are also under AMC.

Classroom: The College has well-furnished and spacious classrooms. All the classrooms are monitored through CCTV cameras. Maximum classrooms are equipped with LCD projectors with Wi-Fi connection for better teaching-learning interactions. Regular inspection and maintenance of the furniture and the classroom equipment is done through estate office and store section of the Institute.

Campus Infrastructure:

The Institution has well established procedures for maintaining its campus infrastructure. A full-fledged Estate Office, headed by the Estate Officer oversees the construction and maintenance of all the physical infrastructure. A Reverse Osmosis (RO) system is housed in all the blocks that caters for safe drinking water. The fire extinguishers are refilled regularly and kept in working condition throughout the year. The entire campus cleanliness is maintained through housekeeping staff.

Electrical power BACKUP – To supply the required power backup, a diesel generator of 750KVA (Cummins) has been installed and maintained in the campus.

Vehicle parking- The Institution provides parking facilities for two-wheelers and four-wheelers of staff and students inside the campus at free of cost.

E-waste disposal - E-waste such as un-serviceable computers, printers, cables, floppies, CDs, mouse, keyboard, electronic & electrical equipments etc., is disposed through licenced disposer as per the norms of GoK.

BIT Hostel- BIT provides accommodation to the students wishing to reside in hostels. The hostel is located adjacent to the college campus and has separate hostel office and mess within the hostel premises. The mess has centralised modern kitchen and dining hall. Generally the mess bill for each month is decided by hostel committee representatives based on the expenditure incurred. Other facilities available include water heater with a capacity of 3000 lt per day, Washing Machines, a multigym, TV lounge, indoor games like carom, chess, table tennis and etc., Parking of 2 wheelers is provided. Solar water heater of 5000 lt capacity is also provided.

BIT Ladies Hostel is located in J P Nagar II Phase, Bangalore.

The Hostel has 67 rooms with attached washrooms, ward – robes, study table, chairs and cot. Solar water Heater and R O Purified water plant is installed. Hostel has Hi – tech kitchen, Big Dining Hall, Reading Room. Security Guards are in place round the clock. CCTV surveillance and installation of Bio – Metric

are some safety measures adopted. Hostels are independent units in respect to internal administration under the overall supervision of the Principal, council of wardens and hostel management.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

NAAC

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 28.57

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

2018-19	2017-18	2016-17	2015-16	2014-15
1682	1545	1392	1229	775

File Description

Document

upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 0.34

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
18	13	14	19	15

File Description

Document

Upload any additional information

[View Document](#)

Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)

[View Document](#)

5.1.3 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

E. None of the above

D. 1 of the above

C. 2 of the above

B. 3 of the above

Response: A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 5.98

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

2018-19	2017-18	2016-17	2015-16	2014-15
156	240	313	372	298

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 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

E. None of the above

D. 1 of the above

C. 2 of the above

B. 3 of the above

Response: B. 3 of the above

File Description	Document
Upload any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 50.73

5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2018-19	2017-18	2016-17	2015-16	2014-15
585	571	571	566	577

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years (Data Template)	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 19.04

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 227

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education (Data Template)	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT/JAM/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 39.92

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

2018-19	2017-18	2016-17	2015-16	2014-15
51	26	31	40	14

5.2.3.2 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

2018-19	2017-18	2016-17	2015-16	2014-15
100	70	68	115	45

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	View Document
Any additional information	View Document

5.3 Student Participation and Activities**5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the last five years.****Response:** 89**5.3.1.1 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) year-wise during the last five years.**

2018-19	2017-18	2016-17	2015-16	2014-15
21	21	17	15	15

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	View Document
e-copies of award letters and certificates	View Document

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

Bangalore Institute of Technology has a good practice of involving the student members in various administrative, academic, curricular and extracurricular activities. Student members are enthusiastic and effectively participate in the various activities of the committees. Some of them are listed as follows.

1. Professional Bodies: In professional bodies like IEEE, IETE, ISTE, CSI, ICI etc. student representatives actively participate by conducting Student conventions, chapters, technical events & quizzes etc. with the help of faculty members.

2. Cultural Committee: The institution celebrates the college annual Techno-Cultural fest **Manthan**, with the help of the cultural committee. From all the departments, students representatives will be the members of core committee, creative committee etc. They help the faculty in charge in organizing the events.

3. Academic Committee: The student members are the stake holders who actively take part in framing the college and department vision and mission statements. The students also give feedback on curriculum modification which helps in framing the syllabus for the developing technology.

4. News Letter / College Magazine Committee: Students representatives who are nominated in the editorial board help to collect articles, poems, drawings etc from talented students. They compose, edit and take initiative in printing the news letters at Department level and work for the preparation of magazine at college level. Faculties of the editorial board will guide them in the entire process of printing and releasing the magazine. Student's editors also involve in preparing the conference proceedings (National conference / International), souvenir of student conventions conducted in the Departments.

5. Department Associations: There are department associations where students take part in various academic and co-curricular aspects.

6. Student Clubs: BIT takes pride in having clubs that cater to every students needs and promotes extracurricular activities. Cultural and Technical clubs play a vital role in the overall development of student's career. BIT has many student clubs namely, ROTARACT CLUB BIT, TED-X BIT, SHUTTERED BIT, ECO CLUB, LEO CLUB, SAMSKRITI, OBOLUTION CLUB, VOICE CLUB, DIMINISHED, ELEVATE CLUB, EDC, BREAKS, MIDAS, INFINITY, SPORTS CLUB.

7. Sports Committee: The Sports committee aims to conduct various sports events such as cricket, football, table tennis, badminton, carom, chess etc. Every year, BIT Sports meet will be organized and student volunteers will help Physical Education Director in organizing team events and individual events. The sports committee also recognizes the students eligible for various sports events and sponsors them to take part in various sports activities held outside the college.

8. Women Grievance Redressal Cell: Any type of Grievances regarding common facilities or academic related issues will be brought to the notice of the concerned by the student members of this Committee. Regular interactions are scheduled through meetings. If any grievances are reported, then faculty member who is the Coordinator of this committee will bring it to the notice of higher authorities. Further, the matter will be resolved soon through follow ups.

9. Anti-Ragging Committee: Student representatives will play a major role in informing ragging cases, helping to create harmony and to curb ragging.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 20.8

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
22	30	18	20	14

File Description	Document
Report of the event	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	View Document

5.4 Alumni Engagement

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

Response:

Bangalore Institute of Technology has a registered Alumni Association established in the year 2004-2005 with Registration No.1308/ 2004-2005. BIT Alumni association encourages and foster alumni networks among its members. The purpose of the association is to contribute in building an engaged and supportive alumni community by providing an environment in which this can flourish. The aim of this association is to groom the budding engineers of their alma mater and enhance their employable skills to face challenges in their career with confidence, significantly to the development of the Institution.

The details of Executive committee members of association are in the Institute website - <https://bitalumni.org/committee/>

. The aim and objectives of the association are:

1. a. To bring together the alumni of BIT by arranging frequent meetings with a view to exchange the latest developments in the field of engineering and technology and by publishing news letters containing technical matters.

b. To arrange lectures by eminent persons in the field of engineering and technology.

1. To institute scholarships, prizes to deserving economically backward students and also meritorious students of BIT.

1. The income of the Association by whatever means shall be utilized for the objects of the Association and shall not be distributed among its members or anybody

2. The Secretary of the Association is authorized to correspond with the Registrar of Societies.

The BIT Alumni Association contributes significantly for the development of the institution through financial & non-financial means. The BIT Alumni Association sponsors generously every year towards MANTHAN, the annual techno-cultural fest of the college. It is also providing financial support to the deserving students in the form of scholarship.

BIT Alumni association along with Alumni Interaction Committee has organised technical talks, seminars in the college for the benefit the students.

Many alumni of BIT, who are working in different multinational companies, are also helping the students of BIT in the placement activities.

8040 Students are registered under the alumni association. A total of 1093 students of BIT have enrolled to the Alumni Association for the academic year 2018-19.

BIT Alumni association along with Rotaract Club of Bangalore and Lions club of Bangalore has organised Blood Donation Camp in the institution.

The BIT Alumni Association organised the Alumni Meet-2019 on 16-2-2019, which had the presence of 1000 alumnae under single platform. The focus was to network, enjoy, learn and continue to engage with the institution and students. Similar event was held during the academic year 2019-2020 on 15-2-2020. Alumni gave their valuable suggestions and ideas in the alumni meet.

Many notable alumni of BIT are serving the society in various fields including high profile Government Gazette offices, Union public service commission, holding key positions in multinational companies in our country and overseas. Many alumni of BIT are also in entertainment industry as successful actors, singers, carving a niche for themselves and bringing laurels and glory for their alma mater.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.4.2 Alumni contribution during the last five years (INR in lakhs)**E. <1 Lakhs****D. 1 Lakhs - 3 Lakhs****C. 3 Lakhs - 4 Lakhs****B. 4 Lakhs - 5 Lakhs****Response: C. 3 Lakhs - 4 Lakhs**

File Description	Document
Upload any additional information	View Document
Link for any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

Bangalore Institute of Technology was established in the year 1979 with an aim of imparting quality education in the field of Science, Engineering and Management to foster the creativity and leadership qualities among the students.

A. Vision and Mission Statement:

Vision:

To establish and develop the institute as a center of higher learning, ever abreast with expanding horizon of knowledge in the field of engineering and technology, with entrepreneurial thinking, leadership excellence for lifelong success and solve societal problems.

Mission:

- Provide high quality education in the engineering disciplines from the undergraduate through doctoral levels with creative academic and professional programs.
- Develop the Institute as a leader in Science, Engineering, Technology and Management, Research and apply knowledge for the benefit of the society.
- Establish mutual beneficial partnerships with industry, alumni, local, state and central governments by public service assistance and collaborative research.
- Inculcate personality development through sports, cultural and extracurricular activities and engage in the social, economic and professional challenges.

B. Nature of Governance

The Institution follows a democratic and inclusive mode of governance with all concerned participative stakeholders in its administration. The governing body delegates the authority to the President and Secretary, who in turn share it with the different levels of functionaries including the Principal of the institute. The Heads of the Department, the Convener of various committees, along with staff representatives play an important role in determining the institutional policies, decision making and implementation. These decision and policies helps the institute to achieve the goals of vision and mission.

C. Perspective Plans

The Institution has well-laid-out perspective/strategic plans in place, to develop in a systematic, well-thought-out and phased manner as follows:

- Adoption of well-defined academic quality policy as per the guidelines of Visvesvaraya Technological University (VTU) objectives.

- Well laid out decisions regarding faculty recruitment, faculty development, research, national and international linkages and industry collaborations.
- Modernizing the institute in the light of contemporary technology and renovation to revive the ageing infrastructure.
- Development of student welfare facilities like hostel, canteen, sports, recreation etc.
- Encouragement for faculty to attend national and international conferences/workshops/seminars.
- Creation and strengthening of research centers in newer and frontier areas in all disciplines.
- Regular submission of research grants to government and non-government organizations.
- Mobilization of funds through the alumni and other stakeholders.
- Partnering with industries, R&D institutes and premier academic institutions.

D. Participation of Teachers in the Decision Making Bodies

- The faculty has been given an important role in the implementation of the vision and mission of the institute as well as in most of the decision making process.
- The Principal along with selected representative of the faculty in the Governing Council influences most of the decision making process.
- Various Governance committees formed in the institute are being valued and their recommendations are considered for implementation in a participatory mode.
- Faculty are also members and conveners of various internal committees (Academic Council, Women Grievance cell, NSS and many more) instituted for day to day functioning of the college.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

The Institution adopts the decentralization and participative management in keeping with its belief in collective leadership and democratic functioning. This can be seen in the extensive delegation of the authority to the Heads of various Departments in the institute. Heads of the Department participate in many management processes such as

- Heads of the department oversee the teaching plans of the respective departmental members.
- Faculty recruitment based on departmental needs and recommendation for promotion of in-service staff members.
- Deputation of faculty for attending the national and international programs to upgrade their skills.
- Granting permission for Ph.D programs for in-house faculty.
- Recommendation for extraordinary leaves at an unprecedented difficult time.
- Empowered to make adjustments in the routine teaching assignments, evaluation, organization of internals and practical.

- Organization of counselling sessions, improvement tests, workshops/seminars, career counselling, inter-college events, study tours and industrial visits.
- Publication of magazines for the benefit of students and public.
- Convening of parent teachers meeting to appraise on the academic progress of the concerned student.
- Each department is entrusted to undertake internal paper-setting, moderation, evaluation and marks submission.
- Organization of supplementary classes for lateral entry students and others based on requirements and need.
- Estimation of budget and upgradation of infrastructure facilities.
- Providing grants for research, and creation of state-of-the-art labs.
- Inviting subject experts from other academic institutes, R&D organizations and industry leaders to provide regular distinctive talks in frontier areas of Science and Technology.
- Submission of research proposals to various funding agencies.
- Organization of vocational courses, leadership development, personality development and management skills.
- Participation of the few selected Heads of the Department in the decision making of the Governing Council.
- Liberty for the Head of the Departments to nominate the faculty for VTU committees, sub committees, examiners, evaluators and other related academic activities.
- Sharing of expertise and academic activities between departments of inter-colleges/ institutions and organizations.

These delegation of powers to the Heads of the department conclusively shows the existence of decentralization and participative management in the Institution.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

Bangalore Institute of Technology strongly has a strategic and perspective plan for all the academic activities. One of them is Research and Development. Faculty are insisted to submit research projects for various governmental and non-governmental organizations. It has been one of the most important strategic plan for the growth of the Institution.

Important research projects successfully granted and implemented during the last five years are given

below:

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Mathematical Modelling of Climate Change in Selected Regions of Karnataka- A Geostatistical Approach (RGS-F Scheme)	Prof. Uma A L	Mathematics	2018-2019	Rs. 500000/-	1 Year	Vision Group on Science and Technology (VGST) http://www.vgst.in/	Government Of Karnataka
Measurement of shock induced fluorescence enhancement of Coumarin derived fluorescent chemosensors for metal ions and fluorides and hence their improvisation	Dr. D. Nagaraja	Physics	2018-2019 (Sanctioned-10 Lakhs) 2019-2020 (Awaiting for the Cheque of 10 Lakhs)	Rs 1000000/-	2 years	Vision Group on Science and Technology (VGST) http://www.vgst.in/	Government of Karnataka
Modernization and Up-gradation of Geotechnical Engineering Laboratory.	Dr. Vijayendra KV	Civil Engineering	2017-2018	Rs 1920000/-	2 Years	All India Council for Technical Education (AICTE) https://www.aicte-india.org/	Government of India
Development of Low Power VLSI Circuits	Dr. S. Shanthala	Electronics and Telecommunication Engineering	20 Lakhs 2015-2016 (Sanctioned 10 Lakhs) 2014-2015 (Sanctioned 10 Lakhs)	Rs 2000000/-	2 Years	Vision Group on Science and Technology (VGST) http://www.vgst.in/	Government of Karnataka
Reverse Engineering the	Prof. A.M. Shivaram	Master of Computer	20 Lakhs 2015-201	Rs 2000000/-	2 Years	Vision Group on Science and	Government of Karnataka

Existing Programming System to be Amenable for Multi-Core Architecture using UML & Programme Slicing Techniques		Applications	6 (Sanctioned 10 Lakhs) 2014-2015 (Sanctioned 10 Lakhs)			Technology (VGST) http://www.vgst.in/	
VGST Sponsored TRIP Support Grant (FY:2014-15)	Dr. Madhusudan	Mechanical Engineering	2014-2015	Rs 30000/-	1 Year	Vision Group on Science and Technology (VGST) http://www.vgst.in/	Government of Karnataka
Processing, Characterization and Machinability Properties of Nano Particulate Reinforced Aluminum/Red Mud (Industrial waste) Composites (Ref. No. PROJECT ID-RDUG2015031)	Dr. Reddappa H.N.	Mechanical Engineering	2014-2015	Rs 20000/-	1 Year	The Institution of Engineers (India), Kolkata https://www.ieindia.org/	Professional Bodies
Development And Fabrication Of Low Cost Corrugated Roofing Sheets Using Red Mud (An Industrial Waste) Composites (Ref. No. 38S1028)	Dr. Reddappa H.N.	Mechanical Engineering	2014-2015	Rs 8000/-	1 Year	Karnataka State Council For Science and Technology (KSCST) https://www.kscst.org.in/	Government of Karnataka
An Experimental and Numerical Investigation on the Performance Evaluation of Prestressed Concrete and Reinforced Concrete Beams	Dr. H N Jagannatha Reddy	Civil Engineering	Sanctioned as 2012-2013 6 Lakhs 2013-2014 4 2 Lakhs 2014-2015	Rs 120000/-	3 years	Visvesvaraya Technological University Research Grants , Belagavi (VTU) https://www.vtu.ac.in/	Government of Karnataka

Retrofitted by different Techniques using Artificial and Natural Fiber Reinforced Polymers.		5 1 Lakh 20 Thousand				
File Description		Document				
Upload any additional information		View Document				
strategic Plan and deployment documents on the website		View Document				
Paste link for additional information		View Document				

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Response:

The Governing Body

The Governing Council of the Institution is the main administrative body. It is constituted as per the guidelines framed by All India Council for Technical Education, affiliating University (VTU) and Government of Karnataka.

The Governing Council meets regularly twice in a year. All the activities of the Institute, the performance of students, academic matters, research progress and plans of the development are presented by the Principal and Convener. All the parameters are reviewed and suggestions are obtained from the Honorable members of the council.

The Administrative setup:

The Institute believes in a transparent and team based work culture. The employees are empowered to initiate development actions for the improvement of quality education.

Administrator:

Administrator is the head of the Governing Council. He will direct and approve policy matters and budget related to the institution.

Principal:

Principal is vested with the following responsibilities:

- Principal is the main drawing authority for all financial decisions.

- Academic, financial and administrative management operations of the institution.
- Responsible for meeting Statutory and Regulatory requirements of the Government, AICTE and University (VTU) and actively participate in policy making.
- Ensures students, staff members and stakeholders' satisfaction.
- Approval of master timetable, quality manual and quality system procedures and changes to the same, calendar of events and Institution related documents.

Administrative Office:

BIT administrative office staff performs the following functions:

- Assist Principal in the process of admission of students.
- To develop and maintain the student, staff and other administrative records and database.
- Correspondence with University and other statutory agencies.
- Finance management, banking, purchase, provident fund, fee collection and other administrative matters.
- Infrastructure maintenance.
- Preparing regular financial and administrative reports.

Placement:

Training and Placement officer is vested with the following responsibilities:

- Involving in effective industry interaction and building in good rapport with varied industries.
- Organising effective training sessions, career guidance and personality development such that students choose a right career.
- Organizing campus recruitment.
- Aids pre final year and final year students to get projects and internships.

Heads of the Department:

Heads of departments are responsible for the following roles of the department:

- Academic and administrative management.
- Scrutinize the laboratory requirements and activities.
- Monitor R&D and project activities.

- Review of lesson planning and test question papers.
- Monitoring and evaluation of promotional activities both at departmental and institutional level.

Faculty Members:

Faculty members are responsible for the below mentioned responsibilities:

- Perform curricular and co-curricular activities assigned by the department.
- Act as student counsellors and mentor them.
- Maintain records as required for academic activity and other recommendation committees.
- Conduct R&D activities and undertake industrial/sponsored projects.

Technical Staff:

Technical staff is assigned with the following roles:

- Conduction of laboratory experiments.
- General maintenance of laboratory and stock registers.

Library:

- Librarian is vested with responsibility of all necessary activities for maintaining and improving the Library.

Sports:

- Physical Education Director assist in selecting and upskilling the talented sports persons among the students and staff members.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document
Link to Organogram of the Institution webpage	View Document

6.2.3 Implementation of e-governance in areas of operation

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

E. None of the above

D. 1 of the above

C. 2 of the above

B. 3 of the above

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc	View Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

BIT has ensured to keep its workforce loyal and structures an administrative model to ensure maximum retention of its faculty members as well as non-teaching members. Various welfare measures are initiated to look after the welfare of the employees. Some of the important for both teaching and non-teaching staff are given below:

Welfare measures for teaching and non-teaching faculty:

- AICTE pay scale for teaching and state scale for non-teaching staff.
- Maternity leave for six months and paternity leave for 10 days.
- Casual leave, Earned leave and other leave as per the provision.
- Facility for provident fund.
- Availing provident fund loans.
- Gratuity as per the Government provision.
- Festival advance for non-teaching.
- Staff welfare fund (SWFT)
- Deputation
- Provision for faculty to pursue part-time Ph.D.
- Provision for technical staff to pursue higher qualification.
- On campus medical facility at KIMS hospital.
- Fee concession for wards of staff members admitted under management quota.
- Staff are deputed to participate in national and international events with financial assistance.
- BIT-staff cooperative society established to provide stationery material for staff and students at subsidized rate.
- ESI facility.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**Response:** 26.95**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**

2018-19	2017-18	2016-17	2015-16	2014-15
161	102	97	31	6

File Description**Document**

Upload any additional information

[View Document](#)

Details of teachers provided with financial support to attend conference, workshops etc during the last five years

[View Document](#)**6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years****Response:** 9.4**6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
11	8	14	8	6

File Description**Document**

Upload any additional information

[View Document](#)

Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)

[View Document](#)

Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff

[View Document](#)**6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development**

Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).**Response:** 41.62**6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
167	162	142	91	35

File Description	Document
Upload any additional information	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View Document
IQAC report summary	View Document
Details of teachers attending professional development programmes during the last five years	View Document

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff**Response:**

The Institution has a structured Performance Appraisal System for teaching and non-teaching staff. It has substantiated through the structure “Confidential Report” framed by the Institute, which is a periodic review of the service rendered by both teaching and non-teaching staff of the department. Both the category of employees have their Performance Appraisal in different formats set by the Institute. It is reported by HODs’ of the department. The HODs performance appraisal is done by the Principal of the Institute. This reveals the information of the service about the post held and also necessary administration when required.

For teaching staff, a system of Faculty Performance Index (FPI) is considered through the feedback from students. Feedback is taken on interaction, syllabus completion, other issues related to campus life and academics. The feedback is collected by the Head of the Department from students every semester. Research activities, conferences attended, seminars etc., are documented which are availed through Special Casual Leave facility of the Institute. The Confidential Report consists of two other parameters which unveil the attitude of employee with their colleagues and students also. It is also comprised of the documentation of the special work done in promoting the growth and development of department. The whole mechanism serves in recommending the increment of the employee by the HOD of the department.

Bangalore Institute of Technology has always adopted a progressive approach to empower and enhance the quality of its teaching and non-teaching workforce. The Institute has thus introduced Performance Based

Appraisal System (PBAS) to its staff, according to which the annual self-assessment form duly filled as per AICTE norms with all the supporting enclosures are to be submitted for CAS promotions under three parts:

PART A: General information of the individual staff.

PART B: Academic performance indicators of the individual staff which comprises of 3 categories for assessment.

Category 1: Teaching learning and evaluation related activities

Category 2: Research, publications and academic contribution

Category 3: Co-curricular, extension professional development activities

PART C: Other related information, which is verified by the Principal.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Internal and External Audit

The institutional accounts are audited by Rajya Vokkaligara Sangha auditors and B. R. Shetty & Co. every year.

a) The accounts and procedures of internal control of finance are carried

out by the accounts section of the Institute.

b) The audit of accounts and submission of income tax returns are being

carried out periodically during every financial year

c) Institute accounts are finally audited by B. R. Shetty & Co.

d) There are no previous audit objections since the institution follows an efficient system of internal controls like inviting quotations, comparison of rates, preparation of purchase orders etc. Requisite approvals at every stage of the implementation and due verification of goods and services are obtained

after delivery / completion of works. All payments are made through Cheque's/RTGS/NEFT and a high degree of transparency is ensured.

e) All expenses are incurred only after prior/ appropriate approvals or sanctions by the Head of the institution or HOD's of the various departments. They are then duly accounted.

f) The last audit was conducted during the financial year 2018-19.

Effective and efficient use of available financial resources

The main source of income for the institute is the tuition fee and is collected every year from the admitted students.

The other sources include Bank interest, Fixed Deposit interest, hostel fee, Examination, Research & Development fee etc. Additionally, to compensate for any shortfall/unforeseen expenditure, the Rajya Vokkaligara Sangha (RVS) also provides financial support.

The expenditure includes staff salaries, staff welfare schemes, building tax, utility charges, laboratory consumables, Annual maintenance consultancy, Employee Provident Fund (EPF) contributions, conduction of workshops/conference/seminars, sports and games, housekeeping expenses and techno cultural events etc.

The institution judiciously uses the available resources with the guidelines of finance and purchase committees. They are responsible for various operational aspects like:

- Annual budget and financial planning.
- Scrutinizing the necessities of each department and balancing the income and wise expenditure.
- Planning purchase on a priority basis.

The departmental budget is prepared by taking into account the requirements of the department, reflecting both recurring and non-recurring expenditure for the financial year.

The Principal collates all the departmental budgets and prepare the institutional budget and is submitted to the management for approval.

Budget allocation

- During February/March of the calendar year, each department is asked to prepare and submit the budget estimate for the next financial year.
- The consolidated budget estimate is presented to the finance committee of the management, for further discussions and deliberations.
- The estimated budget is placed before Governing Council of the BIT for the final approval.
- The approved budget, incorporating the Governing Council suggestions / comments is dispatched to all the departments.

Budget Utilization

- Submit the requisition for purchase.
- Prioritize the procurement of items on need basis.
- Procure as per purchase policy.
- Submit the final purchase details to the principal at the end of the financial year.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

Response: 1442.18

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
205.98382	606.43853	193.22621	209.23440	227.29640

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document
Any additional information	View Document
Annual statements of accounts	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Association with Indira Gandhi National Open University [IGNOU]

Bangalore Institute of Technology is nodal center for IGNOU, New Delhi [Under Ministry of Human Resource Development {MHRD}, Government of India] since 1996. Resources of the institute are shared to conduct weekend classes and counseling sessions for working professionals, to improve their skill and knowledge, as well as their academic qualifications. IGNOU-BIT offers courses like MCA, MBA, BCA, PGDCA and many certificate programs.

IGNOU, New Delhi pays room rent charges, computer hire charges, utility charges and counseling charges to the college. The details are given in the attachments.

Note: There is a difference in the amounts appearing in the submitted audit report and the receipt amount, because, - the receipt amount is credited to the bank, in the beginning of the year and audit is conducted at the year end. Therefore the accrued interest amount is also included while auditing.

Year	2018-19	2017-18	2016-17	2015-16	2014-15
Amount	9.93940	6.97336	2.72515	6.75406	7.46232
In lakhs					

BIT also receives the funds from the various funding agencies by writing projects / research related works. Encouragement / support are given by the college to submit project proposals to maximum funding agencies. Proposal formats are available in the websites. Priority areas of funding agencies like VGST, DST, DRDO and ISRO for which the project proposals are submitted.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

Internal Quality Assurance Cell (IQAC)

Quality Policy of the Institution

BIT strives hard to provide quality education by anticipating and inculcating in the young minds, the fast changing challenges of technical, engineering & managerial knowledge based skill sets of the industry / institution in specific and society in general.

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.
- Nurture the students in a research rich environment with core Indian sociocultural values.
- Encourage the engineering students to carve a niche for themselves in a dynamically changing world.

- Empower the students with the necessary strengths, for continual improvement, to meet and conquer the challenges of a collaborative / competitive environment.
- Stimulate their intellectual excellence and equip them to critically evaluate while facing real life challenges, as an ongoing process.

Response:

Best Practice 1: IQAC Contributes, Monitors and Evaluates the Teaching & Learning processes

- IQAC has helped the teaching community to interpret course objectives and course outcomes, which are introduced for each course by the affiliating University.
- Periodic meetings are conducted to improve the teaching learning process by deliberating on syllabus coverage, test performance, identification of needs for co-curricular activities and attendance issues.
- IQAC is also involved in monitoring of course files, course/lesson plans, modes of delivery, number of periods engaged and teaching aids required for topics planned.
- Feedback regarding assignment questions and module wise question banks subject wise is collected and analyzed at periodic set intervals.
- Pedagogical skills are incorporated in the teaching and learning processes.
- Special classes for slow learners are arranged and monitored.
- Feedback is collected and analyzed from all the stakeholders (students, alumni, industry experts, faculty and parents) about the institution, its infrastructure and teaching learning processes adopted.

Best Practice 2:

Initiatives of the IQAC in Promoting projects proposal writing in the institution.

Encouragement/support is given to submit project proposals to maximum funding agencies, by providing the relevant information on the funding agencies. (Proposal formats, priority areas of funding agencies like VGST, DST, DRDO, ISRO, etc.)

Regular Research Review Meetings (RRRMs) are conducted for scholars registered under the BIT research center, to monitor the progress of their research work and disseminate the thrust research areas to other faculty.

Faculty and students are encouraged to utilize the laboratories, library computer center and software tools available on campus, for carrying out their academic/research projects.

IQAC also helps the administration in identifying diverse needs in terms of computational requirements, additional infrastructure, new software and learning resources already accessible within the college.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

IQAC is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.

To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

IQAC has actively channelized all its efforts to promote academic excellence in the process of continuous and consistent improvement in the overall performance of institution.

Principal and all the Heads of the Department conduct meetings, to disseminate the quality policy and formats for documenting and handing over the teaching learning process to the departments. HOD's in turn circulate the information to the teaching and non-teaching faculty of the department, through departmental meetings.

The internal assessment schedule and all other important events will be finalized and reflected in the institute academic calendar, in the beginning of every semester itself. A detailed course plan is prepared by each course teacher which includes course objectives, course outcomes, mode of delivery, number of periods, teaching aids required, text books and references etc. This course plan is used by IQAC as a yardstick to evaluate the actual performance of the course teacher.

IQAC has introduced a new system of setting three sets of question papers for every internal assessment in each subject, out of which one paper is selected by the course coordinator. The questions are framed by following the Revised Blooms Taxonomy and indicate course outcomes and the Bloom's level.

Students are also given assignments for some of the topics, graded for 10 marks to satisfy the requirements of the university regulations.

The internal assessment tests are carried out in the prescribed format similar to the semester end examination of university. Invigilation for the same is carried out by staff deputed across departments.

Marks obtained are displayed on the notice board and blue books are shown to the students. The test question paper is discussed after every internal assessment evaluation and a Course Outcome - Program Outcome attainment is calculated. Test results and final exam results are submitted to IQAC for further

analysis.

IQAC has formed an Internal Academic Audit Committee to check academically related files across all departments. The academic audit committee members review the record of attendance, internal

assessment process, lesson plan execution, laboratory conduction, proctor system, remedial classes, and other teaching-learning processes, once every semester.

Incremental improvements made for the preceding five years with regard to quality:

- The institution has adopted an Outcome Based Education approach.
- Internal and External academic audits are conducted as per prescribed norms.

Improvements made for the preceding five years [2014 -19]

The following documents are verified during the academic audits:

- Subject allotment letter (individual faculty).
- Calendar of events (college & department).
- Student list/batch list.
- Class time table/Individual time table.
- Pre-requisites, syllabus, reference books.
- Course learning objectives/course outcomes.
- Course beginning survey.
- Course material (sample).
- Test question papers.
- Student feedback.
- Slow learners list (with follow up measures taken individually).
- Course end survey.
- Result analysis.
- Lesson plan with Blooms level.
- Course statistics with pie chart.
- Mapping of CO's with PO's and PSO's, with justification.
- University question paper (previous year).
- Test question papers with schemes of evaluation.
- IA marks/exam marks/attainment level (excel sheet).
- Mapping of CO's with PO's and PSO's, with justification.
- Identify the measures taken to meet the PO's & PSO's components.

Incremental change in University curriculum

Based on AICTE model curriculum-2018, VTU had decided to revise the curriculum as per industry needs. The concerned authorities, who include Board of Studies chairmen, members, subject experts and Industry representatives, are actively involved in the process. A detailed syllabus is framed by collecting all the views of the representatives.

Visvesvaraya Technological University (VTU) organized region wise workshops in order to discuss the new AICTE curriculum at its regional centers.

Eg: In Physics there is more than 40% change in the syllabus. Some new concepts like waves and oscillations, Maxwell's equations, elastic properties of solids are included. The syllabus is well structured and framed in order to cater various branches of engineering

Building rapport with students is very important. BIT highly encourages interaction of students with faculty. The interaction between students and teachers are vital to the student's success. One of the main reasons students leave the institute midway is a feeling of isolation that they experience. Timely concern shown will help students get through difficult times and keep working. In this regard the following action plans are implemented.

- Invite students to visit after the class hours.
- Know your students by name.
- Talk to the students on personal level to understand their problems.
- Encourage students to present their views and participate in class room discussions.
- Instruct lateral entry students to attend special classes.
- Advise slow learners to attend tutorial / remedial classes.
- Motivate advanced students to get rank to the institution.
- Share personal experiences and human values.
- Help students in their academic /extracurricular activities.
- Motivate students to participate in inter / intra college events.
- Guide the students regarding higher education and career opportunities available.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.3 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)
3. Participation in NIRF
4. any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

E. None of the above

D. 1 of the above

C. 2 of the above

B. 3 of the above

Response: A. All of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
Paste web link of Annual reports of Institution	View Document

NAAC

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 during the last five years.

Response:

a) Safety and security

Gender equality is when people of all genders have equal rights, responsibilities and opportunities. Everyone is affected by gender inequality - women, men, transgender, diverse people, children and families. It impacts people of all ages and backgrounds. Gender equality prevents violence against women and girls. It is essential for economic prosperity. Societies that value women and men as equal are safer and healthier. Gender equality is a human right.

Equal opportunities are given for faculty and students irrespective of the gender to participate in all the events conducted in our institution.

In order to maintain safety and security to the girl students and women employee, women grievances redressal committee and Internal Complaints Committee have been constituted. These Committees stay alert all the time to address any complaints by students and female employees. Committees also focus on preventing any harassment by collecting feedback and complaints through suggestion boxes installed at various locations in the campus. The students and faculties can also lodge complaints through online portals.

The following are few safety and security measures taken in our institute

- Deployment of CCTVs across the campus for round-the-clock surveillance.
- Separate elevators for girls and employees.
- The Technical Campus has a robust security safety and system with multiple checks at entry points for all people and vehicles.
- Students wear ID cards at all time and outsiders are checked by security staff.

b) Counseling

The faculty of the college carries out the responsibility of taking personal care of students at the individual level. Every class will have a faculty in-charge and counselors. Head of departments with the help of counselors look after the welfare of students by providing necessary guidance and assistance. In case of any difficulty in counseling an experienced committee consisting of a doctor and senior faculty members will assist. Student welfare officer will also address any grievances of students at college level.

Around 20-25 students are assigned to a counsellor who looks after their personal, academic and psychological well-being. Data pertaining to students is regularly updated in proctor's book maintained by counsellors. The counsellor meets their parents periodically, understand and analyze their problems and

provide solutions.

c) Common Rooms

Girl's common rooms are spacious and well ventilated. The rooms are equipped with first aid box, sanitary dispenser. A bed for relaxation and emergency medical attention is also provided. Magazines and newspapers are also arranged in the common room. It is open from 8:00 am - 6:00pm on all working days.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

E. None of the above

D. 1 of the above

C. 2 of the above

B. 3 of the above

Response: C. 2 of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management

- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

- **Solid waste management**

Wet waste generated is handed over to BBMP vehicle collection system on daily basis through door to door collection network. Dry waste generated is handed over to dry waste collection centre located in K.R. Road, V VPura, Bangalore- 560 004.

- **Liquid waste management**

Sewage generated in the campus is collected by the sewerage network provided in the campus and is treated in the sewage treatment plant. The capacity of the STP is 400kld. The treated effluent is disposed into BWSSB sewerage network system.

- **Biomedical waste management**

Biomedical waste is not generated in BIT campus

- **E-waste management**

The obsolete computers and other wastes generated from the electronic equipment are handed to e-waste recyclers/handlers authorized by Karnataka State Pollution Control Board. Discussions are under progress to establish e waste collection KIOSK TES-AM India a multinational E Waste management company located in Magadi Road, Bangalore.

- **Waste recycling system**

NIL

- **Hazardous chemicals and radioactive waste management**

Hazardous chemicals and radioactive waste are not generated in the campus.

File Description	Document
Any other relevant information	View Document
Link for Geotagged photographs of the facilities	View Document
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	View Document

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

E. None of the above

D.1 of the above

C. 2 of the above

B. 3 of the above

Response: C. 2 of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

E. None of the above

D. 1 of the above

C. 2 of the above

B. 3 of the above

Response: B. 3 of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution

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

E. None of the above

D.1 of the above

C. 2 of the above

B. 3 of the above

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

- 1.Built environment with ramps/lifts for easy access to classrooms.
- 2.Disabled-friendly washrooms
- 3.Signage including tactile path, lights, display boards and signposts
- 4.Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment
- 5.Provision for enquiry and information : Human assistance, reader, scribe, soft copies of

reading material, screen reading

E. None of the above

D.1 of the above

C. 2 of the above

B. 3 of the above

Response: B. 3 of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

In Bangalore Institute of technology importance given for cultural, regional, linguistic, communal socioeconomic activities is same as for the academic activity. Every year, on March 8th international women's day is celebrated by inviting and honoring the eminent women from different field of the society. In the month of February sports day is celebrated annually to promote the gender equality among the staff and students of BIT. "MANTHAN" – a techno-cultural feast is conducted in the college every year to enhance the harmony among the students. Kannada Rajyotsava is celebrated in the month of November to promote the linguistic activity in the college campus.

Blood donation drive is taken up annually in collaboration with ROTARACT club of BIT to educate students to donate blood voluntarily towards a healthy cause.

'International Tiger day' is celebrated to spread awareness about the dwindling tiger population and the importance of conversation of nature and wildlife among the students and society.

Kargil Vijay diwas was celebrated with the chief guest wing commander Amarjeet Singh Dange and students were allowed to interact with him about how the Kargil was fought and won.

Students of BIT are encouraged to donate the food for poor people and to educate the importance of food under the "Food drive" activity.

In order to pay tribute to the martyred soldiers in Pulwama attack on 14th Feb 2019, our college arranged candle march. More than 200 people including the teaching, non-teaching and students were part of this march. Sense of patriotism was created among the public through the placards having slogans about the

Indian army. Fund was collected from the staff and students of BIT and same was hand-over to CRPF soldiers.

National Youth day is celebrated annually by donating one day food for orphanage home. In our college as a part of community services, friendship day, smiley day and senior citizen days are celebrated every year in collaboration with different clubs of BIT.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document
Link for any other relevant information	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

BIT undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens.

Every year Republic day is Celebrated on 26th January by organizing activities highlighting the importance of Indian Constitution. Similarly constitution day also would be celebrated on 26th Nov every year. Visweswaraya Technological university has introduced a compulsory paper on the Constitution of India at Degree level across all engineering disciplines to create awareness and sensitization the students and employees to constitution obligation. As a part of awareness raising programme and educational programme Dr. Sanjeev Gowda G S, Professor, V V Puram College of Law was invited to give talk on “Rule of Law and criminal justice system” on 10th March 2020 at BIT.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document
Link for any other relevant information	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators**

and other staff

4. Annual awareness programmes on Code of Conduct are organized

E. None of the above

D. 1 of the above

C. 2 of the above

B. 3 of the above

Response: B. 3 of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

The students from different regions of the country are admitted to our institute. The national festivals are regularly celebrated to understand different culture, customs and tradition. The national and international day of specific importance are also celebrated which helps students to understand societal problems. The following are some off the events conducted in our institute.

- Engineer's Day is celebrated annually on 15th September as a tribute to greatest Indian Engineer Sir. M Visvesvaraya every year. Technical talks will be arranged on this occasion every year.
- Gandhi Jayanti is celebrated every year on October 2nd to mark the occasion of the birthday of Mohandas Karamchand Gandhi, who is called the "Father of the Nation".
- Independence Day is annually celebrated on 15th August, as a national festival commemorating the nation's independence on 15th August 1947.
- Republic Day honors the date on which the Constitution of India came into effect on 26th January 1950. Republic day is celebrated on 26th January every year.
- The most loved President APJ Abdul Kalam's birthday is celebrating as Students' day on October 15th.
- Founder of Bangalore, Nadaprabhu Hiriya Kempe Gowda birthday is celebrated annually on 27th June.
- The great Kannada poet D V Gundappa's birthday was celebrated on 09/04/2019 by SAMSKRUTHI club of BIT.

- International yoga day is celebrated every year in the month of June.

File Description	Document
Link for Geotagged photographs of some of the events	View Document
Link for Annual report of the celebrations and commemorative events for the last five years	View Document

7.2 Best Practices

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

Response:

Best Practice 1:

1. Title of the Practice

PLACEMENT GUIDANCE AND TRAINING.

Placements give students the opportunity to gain skills specific to their subject or industry of choice as well as the employability skills required for real-life work. It also increases their knowledge of an industry or sector, allowing them to make better informed decisions about future career choices.

From the student perspective, high quality placements can bring a range of benefits and positive impacts. There is strong evidence to suggest that placements and work experience are extremely valuable to students, both in terms of their academic performance and their employability skills. Students will be regularly in touch with placement and training department through email and WhatsApp groups. Training in the area of communication skills, soft skills, aptitude, higher studies in India and abroad, etc. will be organized to enhance the skill set. More than 100 companies visit the institute for placements and internships. Generally an online test is conducted using computer lab facility in our campus during recruitment and students are shortlisted. Then a technical interview followed by HR interview is conducted. The selected students name list is handed over by companies HR to the placement officer. This process will be practiced by students through mock interviews organized by Placement and Training department.

The committee consisting of faculty as placement coordinator from each department and two students from each section is formed to monitor the placement activities. They regularly meet to discuss the events to be conducted as per the requirements. The experts in different fields of engineering share their experience very often with students to enhance and update skills. Each department will also conduct placement orientation programs.

2.Objectives of the Practice:

The following objectives are mainly focused in training and placement.

1. Broad exploration of various career options
2. Pursuing post graduate studies
3. Promote entrepreneurship
4. Encouragement for civil services
5. Soft skill, Mock tests, Group discussion and Quiz
6. Encouraging Senior Students (7th and 8th) to provide pre placement training to Junior students(5th and 6thSem)

3.The Context:

Bangalore is the silicon city of India with lot of opportunities in the area of IT and infrastructure. Major IT industry, automobile industry, small scale industries located in the city helps students for their internship and training. The Main challenge is to bring more of Tier- I companies and Core companies with good packages to the campus. Regularly more than hundred companies visit every year and maximum students are placed in core companies. Eligible students will be offered to participate in two companies recruitment process.

4.The Practice:

The placement and training department is fully equipped with facilities required to conduct training and placement. A request will be sent to a reputed company to visit our campus and recruit students. The company will collect all the information about the facility and students before their visit. Once they are satisfied with standards available in the institute, then recruitment process will start.

5.Evidence of Success:

The students regularly participate in the entire training program conducted by the department. This has enhanced the number of placement in different branches of engineering. Also the companies conduct competitions and select students for internship as well as for a job. Our students are successful in winning the competitions in turn a job also. The following points envisage the evidence of success.

- The number of students placed and the number of companies visiting the campus is increasing every year.
- Due to strong Alumni connect, we could get good personnel for training and invite companies to the campus.
- With the increased collaboration between Industry and Academia, access to good resource on latest trends in technical field is provided to the students.
- Awareness to students in new job openings, or even encouraging them to become entrepreneurs.
- Signing MOU with the Industries, and providing Internship /jobs to the students.

6.Problems Encountered and Resources Required:

The companies conduct online test which require good computing facility with networking and internet bandwidth. We have sufficient computers with 350 Mbps speed internet bandwidth. The gaps identified in the curriculum are fulfilled by the invited talks from industry experts. The following challenges were found and are successfully addressed.

- Having and to maintain a good team in the placement training cell.
- Understanding the ever changing dynamics of market and training appropriately.
- Getting good resource personnel to train the students.
- Need to increase the contacts with industry.
- Encouraging the Industries to set up the Labs in the Campus.
- Converting Internship Training to Job opportunities.

Best Practice 2:

1. Title of the Practice :

PROCTORIAL SYSTEM

The institute has a structured procedure in proctorial system. The students admitted to the institution will be allotted a section based on their branch. Counsellors are allocated to a group of 20-25 students. Each student has to submit a proctor book to the counsellor after filling all the details. The proctor book contains the information on personal and academic record. This information helps the counsellors to assess the students as slow or fast learner. Periodically parent teacher meeting is conducted by the counsellor to brief the progress of the students. The interaction is on a regular basis and communication occurs through digital media.

1. Objectives of the Practice :

The proctorial system benefits faculty and students in better understanding either personal or academic issues. The main objectives are:

1. To promote student educational or academic performance.
2. To empower student decision making and self-confidence beyond educational transitions and the curriculum.
3. To inspire a healthy relationship between the teacher and student.
4. To explore different career opportunities.

3. The Context:

The role of a Counselor is to offer support to the students to deal with a wide range of concerns be it academic, personal, emotional, family or peer related through Counseling. The Counselor should meet the students and their parents as and when needed. The process is confidential except in a condition where

disclosure is necessary to protect you or another person or abide by the institute policy. Counseling is necessary to have a healthy working atmosphere amongst staff, students and parents. The counselor should help the students and parents to record their complaints and solve their problems related to academic, resources and personal grievances. The following responsibilities are identified for a faculty counsellor.

- Every teaching faculty in the department will be a proctor.
- The entire teaching faculty has been assigned a group of 20 students as their wards to counsel.
- The proctor has to counsel students' minimum 4 times in a semester.
- A meeting prior and after every test is conducted
- A proctor can counsel as and when required.
- Students facing any problems in academic or personal will be identified and given guidance/motivations to overcome from it.
- The performance of individual shall be noticed and informed to the parents in case of need.

1. Evidence of Success :

The proctorial system in our institute has helped many students to perform better in their academics. Regular interaction with students reduces many confusions and difficulties in pursuing their education. The success is observed in scoring good CIE marks, SEE marks, participation in curricular and extracurricular activities. The following observations exhibit the evidence of success.

- Few students are motivated and presented the paper in conferences/journals.
- Students are motivated to participate in coding contests, project presentation.
- They are also motivated to pursue their internships.
- Students with major health issues are counseled to boost their confidence level in academic performance and to maintain good health.

1. Problems Encountered and Resources required:

Counselling students require different experience in solving personal and academic issues. Faculty after an interaction with student comes to know various actions to be taken to convince and solve a problem. The following points are observed for smooth conduction of counselling.

- Effective Counseling can be achieved if dedicated time slot is allotted.
- Faculty will remain as a counsellor for a group of students till they complete their degree.
- The slow learners are encouraged to read good reference books, study material to improve in academics.
- The fast learners are advocated to take part competitive exams for higher studies or for a job.
- Psychological help can be extended if required through a committee constituted at the college level.

File Description	Document
Link for Best practices in the Institutional web site	View Document
Link for any other relevant information	View Document

7.3 Institutional Distinctiveness

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

Response:

Student support system for academic and non-academic activities

Bangalore Institute of Technology has a vision “To establish and develop the Institute as a centre of higher learning, ever abreast with expanding horizon of knowledge in the field of engineering and technology, with entrepreneurial thinking, leadership excellence for life-long success and solve societal problem”.

Bangalore Institute of Technology was established in the year 1979 by the management of Rajya Vokkaligara Sangha representing farming community that forms large number of Karnataka state population with a vision to provide facility for engineering education. Also to support the scholars from agricultural community coming from rural areas. Dr. M.H. Marigowda, Director of Horticulture, Government of Karnataka and Dr. S. Ramegowda former chairman, AICTE were primarily responsible for the comprehensive development of the institute. The institute is affiliated to Visvesvaraya Technological University - Belagavi.

The institute has core engineering branches viz., civil, mechanical, electrical, electronics and communication, electronics and instrumentation, IEM and IT related branches like computer science and engineering, information science and engineering. The teaching staff strength of 286 out of which 84 are doctorate degree holders. Also most of the faculty members have registered for their doctoral programs.

The institute has established post graduate programs and research centres in Civil, mechanical, electronics, computer science and information science engineering disciplines with a vision to develop strong research team of core engineering and science professionals. Industry Consultation and Research Centre (ICRC) was started to encourage the staff and students to pursue consultation and research activities. Each department has MOU with leading consultants and industries. This initiative leads to build good networking with the industries and capacity building.

There are around 5000 students pursuing UG and PG programs with 56% girl students and 44 % boy students. Around 85% are day scholars and 15% constitute resident scholars.

BIT library has more than 85000 volumes of text books and reference books. The institute has subscribed 1681 no. of online journals for students and staff reference.

Placement and training centre of BIT is fully equipped with necessary infrastructure to conduct student training programs, aptitude tests, placement interviews and facilities for conducting online test for the students by the companies. More than 100 companies visit BIT for their requirement & approximately 500 students are placed in engineering and IT firms every year.

BIT was accredited twice in the year 2006 and 2009. The evaluation of the institute is concluded in the month of September 2019 and October 2019 by the national board of accreditation team Washington accord under tier II category. And ten programs were got accreditation.

The institute believes in strong academic background and good documentation. It has constituted various student committees, student clubs, ROTARACT, eco - club and many more to achieve curricular and non curricular accolades. Students are encouraged to organise technical trips and field visits for professional exposure, organise technical and cultural events eg., MANTHAN and also students are encouraged to participate in inter collegiate competitions.

BIT administration believes strongly in stringent documentation, internal audits and evaluation procedures. Department Advisory Board, Program Assessment Committee, Internal Quality Assurance Committee are constituted by the department to perform faculty performance audit, department audit and academic audit. External academic audit is conducted regularly.

Good governance document has been developed by the BIT administration to provide guidelines for the new employees and for all wings engaged in administration process. Students grievances cell, women's grievances and redressal cell, anti-ragging committee, sports committee ...many more are effectively functioning in the institute.

The institute leads from the front and supports all the activities to achieve academic professional experience by organising seminars, workshops and training programs. Institute has entered into MOU with more than 150 leading industries, consulting and professional organizations to help student internship programs and placements.

BIT to its credit has more than 500 university ranks, 3 patents, in different streams of engineering and science. Students of BIT have participated in the events jointly organized and conducted by BIT in collaboration with Indian Concrete Institute, Association of Consulting Civil Engineers, Ready Mix Concrete Manufacturers Association, Academy of Certified Hazardous Materials Managers, Indian Society of Hospital Waste Management, INSTRUC, Indian Geo Technical Society, etc.,...

Different departments have organized several collaborative programs in association with other professional institutions like Institution of engineers, KSPCB, IISc., UVCE, RVCE, ICI, ASCE, RMCA, ACHMM India, ISHWM, Manipal Institute of Technology, Manipal, Sandeep University, Nasik etc.,

The faculty of the institute are sponsored by the management to attend the workshops and seminars conducted within Bangalore, Karnataka, India and outside India.

The faculty of BIT represent in various government committees and posts on deputation, like university academic senate members, university executive committee members, presidents of various professional bodies, members of state environmental appraisal committee, chairman-state environment impact assessment authority etc.,

With the eminent administrators BIT will grow to greater heights and climbs the wall of fame achieving all the visions framed by the founders of the institute. As a whole the institute has very good infrastructure and faculty to support students an all respect.

File Description	Document
Link for any other relevant information	View Document
Link for appropriate web in the Institutional website	View Document

NAAC

5. CONCLUSION

Additional Information :

BIT has a well-established library and information center. It has 83,605 volumes and 19,750 titles covering in the major fields of Science, Engineering and Technology, besides research journals/periodicals. The Library is computerized and uses Libsoft 12.0.0 version and also provides web based access to Online Public Access Catalogue (OPAC) and Turnitin solutions to promote academic integrity. Further, the Institution has Master of Computer Applications and Master of Business Administration libraries. They have a collection of 5130 and 4186 books respectively.

The Institution secured 272 University ranks in UG and PG courses with 15 gold medals from visvesvaraya Technological University.

BIT has also the acclaimed of being the Study center for IGNOU programmes approved by UGC.

GOALS TO ACCOMPLISH:

The Institution has the following plans to thrust towards its vision:

1. To become autonomous institution.
2. To get accredited by global agencies.
3. To setup Incubation center and strengthen entrepreneurship Development cell.
4. To create Global placement opportunities for students.
5. To collaborate with industries in the areas of consultancy, research and technology.

Concluding Remarks :

In pursuit of academic excellence, Bangalore Institute of Technology looks forward to achieve more heights in the times ahead. The faculty members extend their unstinted support and zeal to enhance and sustain quality education to realize its Vision, Mission, Quality policy and Values. The Institution's societal commitment provides opportunity for the faculty members and students alike to render services to the society.

The Institution has scaled up in terms of quality since its inception with the magnanimous support from the management. The State of Art infrastructure, highly qualified teaching fraternity and other services such as Institutional entrepreneurial ecosystem has nurtured the student's growth as well as the learning process. The Institution with its defined vision leading to its objectives has played an important role in the holistic growth of students.

The research initiatives, industry-Academia interface, training and placement activities, a strong alumni association and student support system, well established library & information center have promoted research culture and establishment of good rapport with the students, industries and community.

The Institution is committed firmly to resolve the challenging issues in the days to come which will hold the institution in high esteem.