



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

**MANGALPALLY (VILLAGE), IBRAHIMPATNAM (MANDAL), RANGA REDDY
(DISTRICT), TELANGANA.**

501510

www.biet.ac.in

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Endowed with sylvan surroundings, modern infrastructure and ambient learning environment, Bharat Institute of Engineering and Technology (BIET) is forging ahead to achieve academic excellence.

The Institute, established in 2001 by Chinta Reddy Madhusudhan Reddy Educational Society (CRMR) under the leadership of Sri Ch. Venugopal Reddy, an eminent educationist with a social conscience and commitment. The Institute is located in a sprawling campus of about 120 acres, amidst sylvan surroundings with aesthetically built infrastructure. It has grown in its size and stature over the years, from an initial intake of 240 to 1290 students. BIET is one of the premier Engineering Colleges in Telangana. The institute currently offers 6 undergraduate programmes (B.Tech) and 8 postgraduate programmes (7 M.Tech programs and 1 MBA program).

Institute Achievements/Recognition:

- The Institute is approved by All India Council for Technical Education (AICTE), New Delhi.
- The Institute is affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH), Hyderabad.
- BIET has been recognised under Section 2(f) of the UGC Act, 1956, dated 20th June 2017 by University Grants Commission, New Delhi.
- Accredited by NAAC with a CGPA of 2.53 on a seven point scale at B+ Grade valid for a period of five years from 02/11/2018.
- The four UG programmes Electronics & Communication Engg, Computer Science & Engg, Electrical & Electronics Engg and Mechanical Engg are Accredited by NBA for 3 years for the academic years 2019-20, 2020-21, 2021-22 i.e., upto 30-06-2022.
- ISO 9001: 2015 Certified for 3 years from the academic year 2018-19.
- Empanelled in MHRDs 'Institution's Innovation Council (IICs)' from 2018-2019.
- Empanelled in IITB, Bombay Remoter Centre from 2018-2019
- Empanelled in PM-YUVA Yojana(Pradhan Mantri Yuva Udyamita Vikas Abhiyan) to create an enabling ecosystem for Entrepreneurship Development from 2016-2017.
- Empanelled in Unnat Bharat Abhiyan (UBA) from 2017-2018.
- BIET NSS CELL Placed in "ASIAN RECORD BOOK" for organizing ECO FRIENDLY GANESH IMMERSION ON 18TH SEPTEMBER 2018.
- "TOP PERFORMING COLLEGE" Award out of 1200 Colleges across INDIA from IBM TGMC: 2015 Contest (The Great Mind Challenge).
- "ACTIVE LOCAL CHAPTER" Award from SWAYAM-NPTEL for JUL-DEC 2017, JAN-JUN 2018, JUL-OCT 2018, JAN-APR 2019 and JUL-OCT 2019.

Vision

To achieve the Autonomous & University status and spread universal education by inculcating discipline, character and knowledge into the young minds and mould them into enlightened citizens.

Mission

To impart high quality education, in a conducive ambience, as comprehensive as possible, with the support of all the modern technologies and make the students acquire the ability and passion to work wisely, creatively and effectively for the betterment of our society.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Committed Leadership with a vision to establish an institute in the rural area to provide an opportunity for students to pursue their higher education.
- Well qualified and experienced faculty
- Excellent Infrastructure for teaching-learning processes.
- Academic performance by means of reasonably good students' enrolment at UG level.
- Reasonably good Placement record of students.
- Association of senior persons from the research and administrative backgrounds to help the growth of Institution.
- Adequate research facilities
- Student's participation in various training programs and internships in industries and national laboratories.
- Active student environment-learning communities, programs, student organizations and clubs.
- Use of ICT tools by all faculty members.
- Well-equipped and neatly maintained Laboratories.
- Regular Parent-Teacher Meetings.
- Exclusive Training & Placement Cell with adequate facilities for training.
- Self-learning space and time for the students.
- Active participation of students in Smart India Hackthon (SIH), AICTE VISWAKARMA CHHATRA AWARDS Competitions conducted AICTE.

Institutional Weakness

- Being an affiliated institute of JNTU - Hyderabad Curriculum design flexibility is limited.
- Research work for societal development and publication of patents needs to be strengthened.
- Industry institution interaction needs to be strengthened.
- Student-staff interaction on thrust areas of research is limited in the affiliated university curriculum.
- As most of the students are first generation learners, their communication skills need to be improved.
- Targeted advertisements are to be made to attract the students from other states and out-of-region.

Institutional Opportunity

- To become an autonomous institute under JNTU-Hyderabad and UGC - New Delhi.
- To initiate student projects to address local societal and environmental problems.
- To encourage faculty to acquire Ph.D qualification.
- To encourage entrepreneurship spirit among the students by creating sensitization, awareness and capacity building programmes.
- Transform pedagogical practices and adopt latest technological relevant courses in curriculum.
- To provide training and awareness for self-reliance of the rural people.
- Institute's proximity to airport may enable us to explore possibilities of networking with national and international personalities of repute.

Institutional Challenge

- Competition from other neighbouring institutions.
- Admitting quality students with keen interest in engineering.
- Continuously decreasing trend in Engineering admissions.
- Providing scope for employability of the students in currently dynamically changing industry due to continuous change in technology.
- Exposing the teaching faculty to the Industrial practices.
- Attracting and retaining qualified faculty.
- Generating funds through Research, Patents and Consultancy.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Bharat Institute of Engineering and Technology (BIET) is an affiliated Institution of Jawaharlal Nehru Technological University (JNTU) - Hyderabad and follow the curriculum prescribed by the University. Academic calendar provided by the University is taken as the base for making curriculum delivery plan. The Principal of the college conducts meetings with the Heads of the Departments for developing detailed academic calendar for conducting curricular, co-curricular, extra-curricular activities. HODs, in turn, conduct meetings with their faculty for the distribution of workload, preparation of class wise and Course wise time tables and course plan. Department calendar of events is derived from the college calendar of events which is specific to the department. All the faculty members submit lesson plans, course files and lab manuals of subjects they are handling, at least 1 week before the commencement of every semester / academic year, to the Academic In-charge and made available to the students. Documentation of delivery of course contents is done by maintaining course files by the concerned faculty for both theory and lab courses. The contents of the course file include syllabus, history of subject, about subject handlers, pass percentage, batch and no of students, lesson plan, subject time table, lesson notes, Question bank which includes previous university question papers. Employing learner centric techniques such as assignments, peer learning, group discussion, brain storming, NPTEL lectures, case studies, field trips, industry visits, projects, and quizzes for the effective delivery of the academic courses.

The institution integrates the cross cutting issues like Gender, Environment and Sustainability, Human Values

and Professional Ethics into the Curriculum by taking following steps: (i) Environment - Apart from teaching Environmental Studies as a mandatory course, the institution conducts NSS Camps and Tree plantation. (ii) Human Values - The institute integrates Human Values by conducting Blood Donation Camps, Health Awareness programs, Orphanage Visits, Motivation camps for the school students and AIDS Awareness programs through NSS. (iii) Professional Ethics - To make the students as successful professionals in future, the institution conducts soft skills and personality development programs.

Teaching-learning and Evaluation

All students are from the local area and the college needs to work to attract quality students from other parts of the state. Mentoring system exists in the Institute and is well managed. The Mentors regularly conduct meetings with their regarding their progress. Mentors are responsible to identify students who scored less than 60% marks in their internals. One faculty is allocated for every 20 students as Mentor for monitoring their attendance, punctuality, discipline and academic performance as well as to guide them through their career path. Mentor may be changed semester to semester.

In addition to traditional teaching-learning methods, the institute is highly interested in providing innovative methods for enriching the learning experience. The methodologies include illustration and special lectures, field study, case-studies, project-based-methods, experimental methods and group learning methods. The facilities arranged by the institute are (i) Lecture method: this conventional method is commonly adopted by all the teachers. This method facilitates the teacher to interpret, explain and revise the content of a text only for better understanding of the subject by the learners. At the end of instruction of each unit, the students are given with specific assignments which enriches their learning. (ii) Interactive method: this method of learning includes group discussion, role-play, subject quiz, news analysis, educational games and discussion with question/answers. In all the courses, tutorial classes are conducted in which problem solving skills are imparted.

Program Outcomes (POs) and Program Specific Outcomes (PSOs) for all programs are displayed in the website and also communicated to students. Most of these are common across departments and a few of these are programme specific. The program outcomes are assessed with the help of course outcomes of the relevant courses through Direct and Indirect methods. Direct measures are provided through direct examinations or observations of student knowledge or skills against measurable course outcomes. The mapping of Program Outcomes (POs), Program Specific Outputs (PSOs) with Course Outcomes (COs) has to be done in a more effective way.

Research, Innovations and Extension

The institute has a R&D Cell to monitor and address the issues of research. This cell encourages the faculty members to take up research activities by utilizing the existing facilities. It creates research culture among faculty members and students. It creates network with industries and research institutions for funding and cooperation. It provides guidance for publication of papers/articles. However, serious efforts are required to bring in externally funded research projects and publish quality research articles in peer reviewed reputed journals.

The institute Empanelled in MHRDs 'Institution's Innovation Council (IICs)' from 2018-2019. Empanelled in PM-YUVA Yojana(Pradhan Mantri Yuva Udyamita Vikas Abhiyan) to create an enabling ecosystem for Entrepreneurship Development through entrepreneurship education and training. Empanelled in Unnat Bharat

Abhiyan (UBA), Centre for Rural Development and Technology to build an understanding of the development agenda within institutes of Higher Education and an institutional capacity and training relevant to national needs, especially those of rural India. Empanelled as a Partner Indian School of Business - Technical Entrepreneur Program (ISB - TEP) by ISB for over a period of one year from 2018-2019.

The National Service Scheme (NSS) in the Institute actively involve the undergraduate students in voluntary social service activities for the socio-economic development of the area surrounding the institution as well as the Nation at large. They are strongly connected to the neighboring villages and the nation through an emotional and moral bonding by virtue of the passion and dedication with which the students carry out the various social service initiatives.

Activities under BIET NSS Unit include (i) Blood Donation Camps (ii) Fund Collection and Distribution to Old age Homes and Poor Children (iii) Distribution of cloths and free medicines to slum area people (iv) Tree Plantation (v) AIDS Awareness Program (vi) Flood Relief activities (vii) Fire Safety Awareness Camps (viii) World Health day Activities (ix) Computer Awareness Programs to Rural Students and High School Teachers (x) Conducting Classes to Students Mobilize them for Participating in Social Service Activities (xi) Conducting Awareness Program to Public on Plastic free environment (xii) Helping Physically Handicapped People etc.

Infrastructure and Learning Resources

Bharat Institute of Engineering and Technology has good infrastructure to cater to the needs of students. The Institute has sufficient classrooms with LCD/ICT facility and well equipped laboratories with good ambience for academic activities, good sport facility for co-curricular activities, digital library, free WI-FI access to all students and up-to-date computer centre. The primary objective of the library is to support the educational and research programs of the Institute by providing physical and online access to information. The library of the institute offer access to 16640 book titles and 64407 volumes of books and thousands of e-Journals and reference books. Koha Open source Software makes search of all available books easy. DELNET Subscription, access all subscribed databases, consortium materials and E-resources, accessible on campus and remotely. The library has adequate number of book titles and volumes to address the academic needs. The CCTV surveillance is there for the smooth functioning. All administrative offices of the Institute are computerized and the offices have LAN and Wi-Fi connectivity. The internet capability of the Institute is providing by Pioneer Elabs Limited with 300 Mbps leased line with several servers for internet. The Institute maintains cleanliness of its Green Campus. Students' programmes are designed to learn to live and work together with achieving excellence in personal and academic areas. Training and Placement Cell provides training in aptitude, technical and personal competencies and facilitates job placements. Career Guidance Cell creates awareness on career opportunities in emerging fields. Motivates students to take part of coaching classes in competitive exam such as GATE, CAT, GRE, and UPSC etc. Training and Placement Cell provides training in aptitude, technical and personal competencies and facilitates job placements.

Institute offers Continuing Education using ICT. The Institute has been chosen a Remote Centre for NPTEL online courses and certification initiated by IITs through NPTEL Local Chapter. Health Care Unit is available and take cares of the of health issues on campus. Grievance redressal mechanism is functional.

BIET is the registered remote center for IIT Bombay and NIITR, Chandigarh for their online courses.

Student Support and Progression

A comprehensive Care System is in place to provide a 'conducive environment', for the holistic development of the students. Multi-pronged Capability Enhancement and Development Schemes include Individual Mentoring, Student development programmes, and programmes designed to learn to live and work together with achieving excellence in personal and academic areas. Student Club activities to develop variety of skills and talents in both technical and non-technical activities. Career Guidance Cell creates awareness on career opportunities in emerging fields. Students are motivated to take part in competitive exams such as GATE, CAT, GRE, and UPSC etc.

Training and Placement Cell provides training in aptitude, technical and personal competencies and facilitates job placements.

Entrepreneurship Development Cell (EDC): Bharat Institute of Engineering and Technology has been listed in the first list of empanelled institutes of National Entrepreneurship Resource and Coordination Hub (National E-Hub) Pradhan Mantri YUVA Yojana for 2016-2017. BIET Received the grant of Rs. 9 lakhs from MHRD-NIESBUD with duration of 5 years from 2016-17 to 2020-21.

Continuing Education using ICT: The Institute has been chosen as: 1. Remote Centre for NPTEL online courses and certification initiated by IITs through NPTEL Local Chapter. 2. Remote Centre for IIT Bombay and 3. Remote Centre for NITTR Chandigarh for their online courses.

Counselling / Mentoring services: are available for students to address the pressures of family expectations, personal expectations, academic pressure, social pressure, psychological adjustments and identity formation. Health Care Unit is there in the campus, annual medical camps, health services, Yoga Clinics etc take care of health issues on campus. Grievance Redressal Mechanism is functional. The Alumni association needs to be registered and enhance their activities.

Governance, Leadership and Management

Conceptualization of the Institute took place resulting into development of the vision and mission, choice of study programmes, human resource requirements, networking, fund raising and sustainability. Organizational Structure is reasonably well planned. Decentralization of decision making is done at level of HODs, Deans and Directors. Process for Standard operating procedures of most of the systems in the Institute ensures quality. Smaller Structures of Governance, with few Committees for various purposes are built in to ensure involvement and participation. Faculty Empowerment Strategies include faculty Development Programmes, Induction and Orientation Programmes, Performance Appraisal and Feedback, Refresher Courses etc. The institute has made concrete plans to grow to level of Autonomous Institute and progressing in that direction. The Role of the IQAC: The IQAC is involved in planning, auditing performance, vetting strategic issues and in maintaining quality parameters. Accessibility of the Leadership afforded to everyone in the Institute to interact with all officials is a good characteristic of the Institute. IQAC takes care of lessons plans and its execution and is monitored on daily basis. The institutes could sustain and maintain reasonable strength of student's enrolment in spite of decreasing trends in engineering admissions. The progress of the institute during last five years is quite reasonable.

Institutional Values and Best Practices

The Institute addresses gender sensitive issues through various means. Equal opportunity without gender bias is

visible. The social and community engagement activities are carried out through NSS and other activities of the Institute.

CCTV surveillance system in some areas is operational in the institute. The mentoring scheme with mentor to mentee is operational. Separate girls-common refreshment room has been made available.

Waste management systems are in place. Dustbins are installed at various places in the campus. Collection and disposal of sanitary waste, surgical waste is also in place. Eco-friendly, viable and integrated system of liquid waste management is implemented and the liquid waste is discharged into the soak pit/septic tank. College has attempted to maintain its campus free of plastics. Collection bins are kept at various locations to collect plastic material. The institute has installed solar tree for lighting and illumination of the campus. Ground water recharging is being done in some part of the campus. The institution ensures transparency in its financial transactions to some extent. It also hosts the organizational manual on the website and communicates the attendance and performance in CIE through electronic reports. Transparency is maintained in internal assessment and answer booklets after valuation are shown to students. The institute also organizes national festivals and birth / death anniversaries of the great Indian personalities.. However there is no well documented IT policy, Gender Policy and Green audit. To develop communication and presentation skills among the students coming from the rural background, the institute has taken up necessary initiatives.

The distinctiveness of the institute is in creating an opportunity of higher education to the rural students and bringing them in the mainstream by providing good placement opportunities.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	MANGALPALLY (VILLAGE), IBRAHIMPATNAM (MANDAL), RANGA REDDY (DISTRICT), TELANGANA.
City	RANGA REDDY DISTRICT
State	Telangana
Pin	501510
Website	www.biet.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	V. RAMBABU	08414-252313	9640909047	08414-25264 8	principal.biet.hyd@gmail.com
Associate Professor	R. MADANA MOHANA	08414-252399	9440793154	08414-25264 7	madanmohanr@biet.ac.in

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
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Date of establishment of the college	30-08-2001
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University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Telangana	Jawaharlal Nehru Technological University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	20-06-2017	View Document
12B of UGC		

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	25-04-2019	24	As per AICTE norms institute need to take Extension of Approval every year

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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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	NATIONAL BOARD OF ACCREDITATION
Date of recognition	30-06-2019

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	MANGALPALLY (VILLAGE), IBRAHIMPATNAM (MANDAL), RANGA REDDY (DISTRICT), TELANGANA.	Rural	25.07	48718.01

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech, Computer Science And Engineering	48	Intermediate	English	240	193
UG	BTech, Electronics And Communication Engineering	48	Intermediate	English	240	158
UG	BTech, Electrical And Electronics Engineering	48	Intermediate	English	180	16

UG	BTech,Information Technology	48	Intermediate	English	60	39
UG	BTech,Mechanical Engineering	48	Intermediate	English	120	8
UG	BTech,Civil Engineering	48	Intermediate	English	120	27
PG	Mtech,Computer Science And Engineering	24	B.Tech	English	24	1
PG	Mtech,Electronics And Communication Engineering	24	B.Tech	English	18	7
PG	Mtech,Electronics And Communication Engineering	24	B.Tech	English	18	9
PG	Mtech,Electrical And Electronics Engineering	24	B.Tech	English	18	13
PG	Mtech,Electrical And Electronics Engineering	24	B.Tech	English	18	8
PG	Mtech,Mechanical Engineering	24	B.Tech	English	18	5
PG	Mtech,Civil Engineering	24	B.Tech	English	18	11
PG	MBA,Mba	24	UG Degree	English	180	21

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	16				34				203			
Recruited	15	1	0	16	20	14	0	34	110	93	0	203
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				33
Recruited	20	13	0	33
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				12
Recruited	9	3	0	12
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.	14	1	0	20	14	0	0	0	0	49
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	1	0	0	0	0	0	110	93	0	204

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	0	0	0	0

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	296	3	0	0	299
	Female	142	0	0	0	142
	Others	0	0	0	0	0
PG	Male	31	1	0	0	32
	Female	43	0	0	0	43
	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	32	36	39	67
	Female	15	19	28	24
	Others	0	0	0	0
ST	Male	36	35	39	48
	Female	13	14	16	19
	Others	0	0	0	0
OBC	Male	178	248	264	316
	Female	122	153	207	150
	Others	0	0	0	0
General	Male	164	188	191	200
	Female	133	124	146	135
	Others	0	0	0	0
Others	Male	22	4	0	0
	Female	5	0	0	0
	Others	0	0	0	0
Total		720	821	930	959

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
396	391	442	470	410
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
13	11	14	16	15

3.2 Students

Number of students year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2799	2823	2862	2753	2621
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
658	639	668	686	677
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
782	614	703	704	746
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
253	307	316	312	276
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
245	305	310	310	270
File Description		Document		
Institutional data in prescribed format		View Document		

3.4 Institution

Total number of classrooms and seminar halls

Response: 74

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

2018-19	2017-18	2016-17	2015-16	2014-15
889.86	905.09	964.82	810.18	763.79

Number of Computers

Response: 1065

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:

The curriculum prescribed by the affiliated university is observed strictly. Apart from this prescribed curriculum, the Institute has designed ways and means to reinforce the teaching-learning process. The curricular planning and implementation is performed in a systematic way.

Preparation of Academic Calendar: At the beginning of each academic year, each department prepares academic calendar incorporating curricular, co-curricular and extra-curricular events in alignment with the institute academic calendar.

Library books Upgradation: The library is informed of required text books, reference books and e-journals for the forthcoming academic year.

Course Allocation: Courses are allocated to the faculty members based on their preferences by the department academic incharge and approved by the department coordinator.

Timetable Preparation: Class-wise time tables also includes time slots for NPTEL/Training, Seminars, counseling sessions, club activities, library and sports. Time tables for lab-wise are prepared incorporating individual lab courses. Individual time tables are prepared for each faculty member reflecting the work load. All these time tables are prepared by Time Table Committee.

Design and Dissemination of Course Plan: Each faculty member prepares detailed course plan including the text book(s), reference book(s), web resource(s) and ICT tool(s) to be used for each topic. It also includes the topics to be covered beyond the curriculum which is then disseminated to the concerned students after approval of academicincharge.

Preparation of Course file: Each faculty member prepares the course file which includes the time table, course plan, course outcomes, mapping of course outcomes with program outcomes & program specific outcomes, attainment levels and targets, identified curriculum gaps, corrective actions, materials module-wise, handouts, previous question papers and previous performances. After the completion of the semester, it is updated with analysis of students' feedback, attainment of COs, POs & PSOs and Justifications for nonattainment of COs, POs and PSOs (if any).

Content Delivery: New and innovative teaching techniques, in addition to the traditional lecture method are adopted to deliver the content. Employing of learner-centric techniques such as peer learning, collaborative learning, group discussion, video lectures, chart preparation, role play, quiz etc., encourages students' active participation.

Reviews: Periodical review on the coverage of syllabus and regularity of the students is performed by the

Academic Incharge followed by IQAC-Academic Audit. The class incharge reviews the coverage of syllabus through Daily Class Work Register (DCWR) and suggestions are invited for the improvement of teaching-learning process.

Assessments: As per the regulations of the affiliated university, the assessment is in two ways:

1. Internal Assessment (25 Marks): There are two internal assessment tests, the first one after eight weeks of the commencement of the semester and the second at the end of the class work, i.e., after sixteen weeks.

The internal assessment includes descriptive test for 10 Marks, objective test for 10 Marks and assignment for 5 Marks. The descriptive question papers and assignment papers include course outcomes and bloom's taxonomy levels.

2. External Assessment (75 Marks): The external assessment is based on the semester end examinations conducted by the university.

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

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

Response:

- In the beginning of the academic year, academic calendar is published by the University for Respective Course. The institution ensures effective time management and strictly follows timeliness given by the affiliating university. The Institute carries out effective planning to stick to academic calendar. This allows the teachers and the students to space out their teaching and learning and regular assessment of the same.
- Every academic year consists of two semesters. Each semester is to be of 16 weeks. The first Continuous Internal Examination (CIE- I) also known as MID-I along with the Lab Internal-1 is conducted after 8 weeks of class work. CIE- II (MID- II) and Lab Internal- II are conducted after 16 weeks of class work. Within the above mentioned 8 weeks of class work, the concerned syllabus is taught to the students. They are then tested on the same material.
- The Institute conducts assessment to the students in three different components - theory, objective and assignments. The descriptive component is marked out of 10. The objective component is marked out of 10. The assignment is marked out of 5. These tests are conducted in evenly spaced out intervals to avoid pressuring the students with too many examinations.
- An average of both these examinations is calculated to attain the final internal marks of the student. These marks are also utilised to identify the slow learning students and conducts bridge classes to improve their performance before the external examination.
- All question papers are set based on the OBE format. They are mapped with their respective course outcomes that are stated in the beginning of the course.

- The assignments given to the students involve unaddressed program outcomes. This helps the students attain knowledge beyond the syllabus as these topics are not covered by the exams conducted by the university but are still relevant. These assignments are given two times in a semester. The students are to complete them within the time given to adhere to the university's academic calendar.
- Following the university calendar, every department creates internal calendars to ensure timely delivery of syllabus. Every teacher follows a strict agenda that is discussed and approved by the head of their respective department. This is followed by deducing a day-to-day division of topics and chapters. These topics and chapters are chosen keeping the upcoming CIE in mind. The timeline created allows for the students to complete the given syllabus in enough time. The students are given plenty of time before the examinations as well to prepare and practice their concepts.
- In case of any required change, the university communicates the modification to the college and the college enforces the same. In any condition, the academic calendar is followed and respected by teachers of all departments.

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: A. All 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

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: 13	
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: 69											
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>28</td> <td>20</td> <td>9</td> <td>6</td> <td>6</td> </tr> </tbody> </table>		2018-19	2017-18	2016-17	2015-16	2014-15	28	20	9	6	6
2018-19	2017-18	2016-17	2015-16	2014-15							
28	20	9	6	6							
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: 63.54

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
1871	1801	1738	1614	1774

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 offered by the university addresses the cross cutting issues like Gender, Environment and Sustainability, Human Values and Professional Ethics. The institute believes in maintaining healthy environment for all of its stakeholders.

Gender Sensitization / Gender Sensitization Lab:

JNTUH introduced a course “Gender Sensitization” to create awareness among students about sensibility with regard to issues of gender in contemporary India. The course also provides critical perspective on the socialization of men and women. It exposes students to debates on the politics and economics of work, to more egalitarian interactions between men and women. Sessions on gender help students attain a finer grasp of how gender discrimination works in our society and how to counter it. Emphasis is given to provide accounts of studies and movements as well as the new laws that provide protection and relief to women. Sessions also empower students to understand and respond to gender violence.

Apart from this the institution formed Grievances Redressal Cell to provide counseling, promote gender equity and also deal with related issues of safety and security of students and lady staff as well to dissolve discrepancies among students and staff.

The Objectives of this course is:

- To develop students' sensibility with regard to issues of gender in contemporary India.
- To provide a critical perspective on the socialization of men and women.
- To introduce students to information about some key biological aspects of genders.
- To expose the students to debates on the politics and economics of work.
- To help students reflect critically on gender violence.
- To expose students to more egalitarian interactions between men and women.

Human Values and Professional Ethics / Professional Ethics:

Through the course "Professional Ethics" students will be able to know the importance of ethics in engineering profession.

- This course is comprised of class room discussions with real life situations.
- It also focuses on ethical concerns common to human service situations.
- It is in response to a long- felt and urgent need to integrate value education with decision making skills in their professions.
- The issues in professional ethics are analysed in the context of right understanding with the main focus on the development of ethical competence in the individuals.
- The course concludes by proposing several salient steps to undertake the journey towards holistic and value-based living.

Environmental Studies / Environmental Science and Technology:

University prescribed course "Environmental Studies / Environmental Science and Technology", "Disaster Management" provides students understanding of ecological balance for sustainable development, impacts of developmental activities and mitigation measures and environmental policies regulations. Institution encourages and supports students to go with plans of protecting environment like planting saplings, best out of waste and plastic free campus and training in first aid.

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: 57.82

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
241	234	220	256	263

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

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

Response: 55.16

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

Response: 1544

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	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: A. All of the above

File Description	Document
Any additional information (Upload)	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (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: A. Feedback collected, analysed and action taken and feedback available on website

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: 64.34

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

2018-19	2017-18	2016-17	2015-16	2014-15
720	821	930	961	649

2.1.1.2 Number of sanctioned seats year wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1254	1218	1272	1308	1290

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: 73.48

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
423	509	593	624	296

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:

Students admitted in first year through TSEAMCET and in second year through ECET. A well planned orientation program is conducted to motivate them and familiarize them with the university curriculum and the resources available at the institute. The diploma students, admitted directly into second year through lateral entry are usually lacking in communication and computation skills.

The institute has embarked on a new initiative to determine Entry Skills of incoming first year students. They are administered screening test to determine their strengths and weaknesses in various parameters as follows:

- **Communication skills test:** to test listening skills, speaking skills and reading skills. This can be graded by the English faculty.
- **Quantitative skills and analytical skills:** This can be graded by the Aptitude trainer.
- **Basic knowledge in fundamental subjects:** Maths, Physics, Chemistry and any other. These can be graded by the concerned subject faculty.
- **Additional counseling:** on attitude, behavior, psychological etc by Mentor.

MENTORING SYSTEM:

- The institute adopted a well defined mentoring process where each faculty mentor is assigned with a maximum of 20 students for monitoring their attendance, punctuality, discipline and academic performance as well as to guide them through their career path. Mentor may be changed semester to semester.
- So every semester parents should collect the details from the college such as Name and contact details of Mentor, Class I/C and Department Incharges and regularly communicate with them about student's regularity, punctuality, academic performance and behavior in the campus.
- Maintaining 75% and above attendance is mandatory as per the JNTUH norms as well as our college academic policy. Hence parents must ensure that the student is regular in attending the classes.

Initiatives for Assisting the Slow learners:

- Identifying the weak students based on their academic performance based on Mock Test and Mid Exams.
- Bridge classes are conducted in courses based on the performance in Mock Test and Mid Exams.

- Remedial classes are conducted in courses where failures are more in external exams.
- Parent Teacher Meetings are conducted periodically to have interaction between faculty members and the parents to discuss about the progress of their wards and actions to be initiated, if any.
- Counseling with mentors and the professional counselor is arranged.
- During project work, they are teamed with advanced learners for enabling the peer learning.
- Audio visual aids/ multimedia

Initiatives for motivating Advanced Learners:

- Arranging lecture/training on advanced topics as a certification course for Students.
- The students are encouraged to do online certification courses like SWAYAM-NPTEL, MOOCs, Coursera, edX, etc.
- They become members of CSI, ACM and ISTE student's forum and organize technical events.
- The students having orientation towards research are supported by faculty members to conduct their research in right direction and publish their work in National/International Conferences/Journals.
- They are motivated and supported to attend conferences, workshops, project expos, Hackathon and other prestigious competitions like Smart India Hackathon, AICTE Viswakarma Awards, etc., to exhibit their skills.

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: 11.06

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:

Various Activity-based techniques adopted by the faculty members are listed below:

Lecture method and Interactive learning:

The faculty use chalk and board and audio visual aids in teaching. Students are also encouraged to actually interact during the lecture hour by getting the doubts clarified on the spot. Faculty using models, charts for

interactive teaching.

Project-based learning:

During the period of study in the III year II semester and IV year II semester, many real time projects are given to the students and they are guided by both faculty and Industry/Research personnel. During the period of study in the 6th to 8th semester, many real time projects are given to the students and they are guided by both faculty and Industry/Research personnel.

Computer-assisted learning:

The Institute has required number of computers, printers, LCD projectors, application software's and system software's. These are effectively used for teaching. The students are also encouraged to develop software's for the solution of the assignments and tutorials. Many final year projects are completed through the use of software.

Independent learning:

- The institute provides well stocked library which consists of bulk of books, journals, project reports and other teaching materials for the use of students and faculty.
- The department provides well equipped and advanced labs for improving programming skills & logical thinking.
- Faculty and students has got the access to NPTEL, DELNET, MIT, CSI, and ACM video lectures for effective teaching learning practices.
- On necessary topics Interactive lectures with Industry experts are initiated.
- Students are encouraged to do projects starting from first year on the basics / fundamentals of subjects.
- The students are encouraged to attend workshops and conferences.
- Students are encouraged to take up engineering projects in community service.
- The students are encouraged to design their own applications using the available equipment in the laboratory and software.
- The faculty motivates the students to participate in model making, paper presentations, software contests to nurture critical thinking and various co-curricular activities in various events organized in and outside the college.
- The scientific temper among students is enhanced by providing additional laboratory hours and research activities.
- Students are encouraged to participate in project competitions and workshops with hands-on experience.
- Students are encouraged to take up industry oriented projects.
- Students are encouraged to gain knowledge in interdisciplinary subjects through electives, seminars and discussions with experts.
- The college encourages participating in games & sports, NSS and other social activities to enhance their team work skills, self esteem, leadership quality and personality.

E-Learning/ICT:

- Efforts are made to maximize the use of Modern resources and aid to improve the teaching in the class rooms.

- The students are also encouraged to use computer software packages for their projects.
- NPTEL lectures, MIT Lectures
- E-Journals(DELNET)
- Faculty utilizes online resource course material of different International and National Universities.
- The departments conduct paper contest, poster presentation, and technical exhibition etc. under departmental association

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:

ICT tools can be used to find, explore, analyze, exchange and present information responsibly and without discrimination. ICT can be employed to give users quick access to ideas and experiences from a wide range of people, communities and cultures.

Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities include use of ICT, instruction delivery, instructional methods, assessment, evaluation and inclusive class rooms that lead to effective, efficient and engaging instruction.

Following are the best and innovative practices undertaken by the faculty members for improving teaching and learning experience:

- Power Point Presentations
- NPTEL Local Server Access
- NPTEL Videos
- Spoken Tutorial
- Student Seminars
- Group Discussion
- Industrial Visits
- Sessional and pre-university examinations
- Mini and Major technical projects
- Communication Skill Development
- One to one internal viva voce in labs
- Virtual labs
- Modern teaching aids like Multimedia, Projectors, and Internet enabled Computer systems are used for class room instruction as well as other student learning experiences.
- The students are also encouraged to use computer software packages for their projects.
- E-Journals(DELNET)
- Faculty utilizes online resource course material of different International and National Universities.
- The departments conduct paper contest, poster presentation, and technical exhibition etc. under

departmental association

- The College arranges state level competitions in literary & cultural, sports & games and technical paper contests Tech fest organized each year.
- Teachers deliver content beyond the syllabus apart from their class room instruction.

The following ICT enabled tools are adapted for effective teaching-learning process

- Established NPTEL Local Chapter

<http://biet.ac.in/nptel-local-chapter.php>

<https://nptel.ac.in/LocalChapter/statistics/626/>

- NPTEL lectures, MIT Lectures
- Enrollment of SWAYAM-NPTEL MOOCs Courses by Students and Faculty

<https://swayam.gov.in/>

- Faculty own ICT Lectures-BIET ICT MOOC'S YOUTUBE CHANNEL
(https://www.youtube.com/channel/UCwzJc-NmUbGndi4WL7RJ8_Q)
- Use of E-Resources

<http://biet.ac.in/e-resources.php>

- Google Class Room

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: 11.42

2.3.3.1 Number of mentors

Response: 245

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: 101.74	
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: 14.23				
2.4.2.1 Number of full time teachers with <i>Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.</i> year wise during the last five years				
2018-19	2017-18	2016-17	2015-16	2014-15
53	44	47	35	27

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: 2.75

2.4.3.1 Total experience of full-time teachers

Response: 696

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 system is carried out in a systematic manner and is transparent. Theory courses, Laboratory courses, Seminars and Project works are evaluated internally.

During the induction program, the first year students are oriented by the personnel from the exam cell regarding the evaluation system (both internal and external). The changes in evaluation system, if any, are communicated to the students.

A detailed academic calendar is available on the website and notice-boards of the Departments. Thus, students know about the dates of examinations well in advance and they can plan their study accordingly.

Students are made aware of various parameters of Internal Evaluation system. The internal marks are based on the mid tests and Assignments for theory courses.

Different faculty members may teach the same course for different section/branch students. In such cases, internal question papers for descriptive examination are collected separately from each faculty member and selected one among them before the start of the examination. The answer scripts of internal examinations are shown to the students after evaluation to bring out discrepancies, if any, to the notice of teacher concerned, and the necessary corrections are carried out.

For the Assignment test, five questions are given to each student well before the mid examinations. They need to refer various text books and other resources, answer them and submit to the respective faculty member before the commencement of mid exams. They are evaluated by the respective faculty members and shown to students to bring out discrepancies, if any, necessary corrections are made and marks are noted. The assignment scripts are returned to students for further reference.

In laboratory courses, day to day evaluation is done in each laboratory session and marks are posted in the students' record book. The consolidated list of marks in each midterm exam is displayed in the notice boards and same is communicated to the parents.

Project work and Seminar evaluations are done by respective committees based on the rubrics defined by considering various parameters. The rubrics are informed well in advance to students at the beginning of the semester. After the evaluation, the marks are displayed in the notice boards for verification.

The performance of the students regarding the internal test marks and attendance are entered in Automation System. (ECAP). The parents are informed about the internal assessment marks through SMS and posts.

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:

Mechanism to deal with internal/external examination related grievances:

- The Institute conducts two types of examinations, Internal Examination and External Examination.
- External Examinations are conducted by the University and the Internal Examinations are conducted by the Institute.
- As part of Internal Examinations, internal assignment and mid examinations are conducted. The examinations are conducted with utmost care given to transparency and fairness.
- The hall tickets are issued to the students for University Examinations well in advance. Any grievance related to the hall ticket like printing of wrong name or delay in issuance is addressed by the exam cell. The exam cell immediately looks into the matter and takes necessary actions. The issues of the students are dealt with high priority and solved as soon as possible.
- The question papers for internal examinations are prepared by the respective teachers and approved by the head of the concerned departments. Four sets are prepared and one set randomly selected on the day of examination. This ensures fairness and removes the chance of usage of unfair methods.
- The external question papers are printed 15 minutes before the commencement of examination after receiving password from University.
- **In the event of a student is found using unfair means during examinations, the following measures are adopted to address this situation.**
 - Firstly, the subject expert is called to verify whether the material carried is related to the subject and mentioned in the question paper. If the material has appeared in the question paper the principal is notified about the incident. The principal then communicates the necessary recommendations to the affiliated university. The university then replies based on the letter received. The punishment is then decided by the university and implemented by the college.
 - Post internal examinations, students are given back their evaluated answer scripts. These answer scripts are corrected by the teachers in the examination cell under the supervision of

a controller / in-charge. Students are permitted to assess their own performance and seek any clarifications to the teacher. In case they are entitled to more marks, teachers do the needful. Following the review of answer scripts, the marks are entered in a register before forwarding them to the university.

- In the case of external examination, any grievance is addressed by the examination branch. The student in need of help explains his/her grievance to the person in-charge who reviews the situation and provides a solution. In case the university needs to be contacted, a standard fee is collected. Upon receiving the fee, the college in-charge represents the issue to the university and pursues it till it is solved. The university then re evaluates the student's performance and communicates their decision.
- All grievances are therefore solved with utmost care to student sensitivity. Institute level grievances are solved within two-three days.
- The Institute is dedicated to provide students with time-bound, transparent and efficient solutions for their examination related grievances.

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:

The curriculum for each program is provided by JNTUH, Hyderabad. As the institute follows outcome based education, Course Outcomes (COs) are defined for all the courses in the curriculum by each department.

The Program Outcomes (POs) are defined by National Board of Accreditation (NBA), New Delhi and are to be fulfilled by all the programs in higher education. There are twelve POs defined by NBA and the institute follows the same. Program Specific Outcomes (PSOs) are defined by individual programs.

The POs, PSOs and COs are disseminated to all the stakeholders through various means. POs and PSOs are displayed on institute's website, various places of the campus like class rooms, corridors, Laboratories, Faculty rooms, etc., and printed on Student handbooks, lab manuals, course files, project reports, institute/department newsletters, etc.

The following platforms are used to disseminate the POs and PSOs to the stakeholders.

- Induction Program / Orientation Program – Students and Parents
- Parent Teacher Meeting – Parents
- Campus Recruitment Drives – Employers

- Alumni Meet - Alumni
- Symbolically through Newsletters, Technical Magazines, etc.,

The COs are published on institute's website and disseminated to students through course coordinators and lesson plan.

COs are made available and communicated to teachers and students via

- Institute website
- Course File
- Announcements to the students during the beginning of each semester and throughout.
- Discussions by faculty in the departmental meetings.
- Faculty discussing CO's during department events.
- Course exit surveys.
- Course hand book

The POs, PSOs of all the programs and COs of all courses of R16 regulations are provided in additional information.

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:

The institute evaluates the attainment of COs, POs and PSOs through its evaluation system and through the process, is mentioned below.

The artifacts that demonstrate the skills, personal characteristics and accomplishments required for measuring the attainment, are collected from:

1. Direct attainment
2. In-Direct attainment

CO Attainment of a Course:

Computation of CO Direct Attainment in the course:

Attainment of CO in a course = 20% of INTERNAL EXAM Attainment Level + 80% of EXTERNAL

Computation of CO In-Direct Attainment in the course:

Attainment of CO in a course = ((Level1 x No. of Students Attempted) + (Level2 x No. of Students Attempted) + (Level3 x No. of Students Attempted))/ Total No. of Students

COs INDIRECT ASSESSMENT TOOLS

End of Semester Course Evaluation Form: During the survey, students provide their responses on a given scale to the questions which are the COs of the respective courses. Procedure to measure the Indirect-CO attainment of a course is same as direct attainment method, where the results are student's responses.

OVERALL CO ATTAINMENT

Computation of Attainment of COs in a course = 90% of Direct CO Attainment+ 10% of Indirect CO Attainment

PO and PSO Attainment:

Evaluations of attainment of POs and PSOs based on 80% of direct assessment + 20% of indirect assessment combined to arrive at the Final Evaluation.

PO and PSO INDIRECT ASSESSMENT TOOLS

Exit Survey: At the end of 4 years after graduation, a questionnaire is given to graduates to obtain feedback on Program Outcomes/ Program Specific Outcomes.

Alumni Survey: After completion of graduation, a questionnaire is given to graduates to obtain feedback on Program Outcomes/ Program Specific Outcomes.

Final PO Attainment:

The final attainment of each PO of a program is computed by summing up Direct-PO attainment and Indirect-PO attainment values in the proportion of 80:20.

If the achievement level of a PO reached/completed the PO target then that PO is attained, else PO is considered not attained. The procedure for PSOs is similar to POs.

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: 94.91

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
661	546	639	666	690

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
782	614	703	704	746

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: 3.94

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

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

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

Response: 46.48

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
19.469	7.755	9.409	0.0	9.842

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: 3.16

3.1.2.1 Number of teachers recognized as research guides

Response: 8

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: 22.86

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
2	3	2	0	1

3.1.3.2 Number of departments offering academic programmes

2018-19	2017-18	2016-17	2015-16	2014-15
7	7	7	7	7

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:

Entrepreneurship Development Cell (EDC) and Incubation Facility:

Entrepreneurship Development Cell (EDC) of the college is committed to the cause of encouraging entrepreneurship among students who are very much interested in taking up challenging entrepreneurship as their career. The centre invites various renowned entrepreneurs to share their experience viz., initial challenges in the career and methods to overcome, various avenues in the industry where entrepreneurship is very much possible without much problems.

Entrepreneurship Initiatives:

- The institute Empanelled in MHRDs 'Institution's Innovation Council (IICs)' from 2018-2019
- Empanelled in PM-YUVA Yojana(Pradhan Mantri Yuva Udyamita Vikas Abhiyan) to create an enabling ecosystem for Entrepreneurship Development through entrepreneurship education and training
- Empanelled in Unnat Bharat Abhiyan (UBA), Centre for Rural Development and Technology to build an understanding of the development agenda within institutes of Higher Education and an institutional capacity and training relevant to national needs, especially those of rural India
- Empanelled as a Partner Indian School of Business - Technical Entrepreneur Program (ISB - TEP) by ISB for over a period of one year from 2018-2019

Entrepreneurship activities conducted:

- MHRD Innovation Cell- IIC Live Session on 21/04/2019: India First Leadership Talk Series on "Future of Technical Education in India" by Prof. Anil D Sahasrabudhe, Chairman, ACITE
- MHRD Innovation Cell- IIC Live Session on 19/03/2019: India First Leadership Talk Series on "Art of Decision Making" by Shri Ajit Doval, NSA, Govt. of India
- Seminar on "Trends in IOT Quessense University Program" on 22/02/2019 in associate with Redpine Signal Inc. organized by Institution Industry Collaboration Committee(IICC) Cell, BIET.
- MHRD Innovation Cell- IIC Live Session on 24/01/2019: India First Leadership Talk Series on "Talk on Planning for Career" by Dr. Anand Deshpande, Founder, Chairman and Managing Director of Persistent Systems Ltd.
- Workshop on "CONGNITIVE SKILLS, DESIGN THINKING AND CRITICAL THINKING" on 19/01/2019 Organized by Institution's Innovation Council (IIC) of BIET.
- Seminar on "Entrepreneurship Development" on 8/1/2019, by Prof. M.L. Sai kumar, Institute of Public Enterprise, Hyderabad.
- MHRD Innovation Cell- IIC Live Session on 8/1/2019: India First Leadership Talk Series on "How to deal with failure" by Shri Anand Mahindra, Chairman, Mahindra Group.
- Motivational Workshop on "Entrepreneurship" on 26/7/2018.
- Workshop on "SMART HACKATHON PROGRAM: 2018" on 9/1/2018.
- Seminar on "Idea converts into a Patent (Prototype Model)" on 27/10/2017 by Dr. B. K. Sarkal, Project Director, TCS Pvt. Ltd, GGN, India.
- PM-YUVA Yojana Phase-1 Training during 28/08/2017 to 01/09/2017 at Indira Priyadarshini Government Degree College for Women Nampally Hyderabad, 5-5-276/ Behing Board of Intermediate Education.
- Seminar on "Idea converts into a Patent (Prototype Model)" on 5/8/2017 by Dr. B. K. Sarkal, Project Director, TCS Pvt. Ltd, GGN, India.
- Seminar on "INSPIRATION THE REAL FACT" on 4/8/2017 by TASK, Hyderabad.
- Seminar on "LEADERSHIP QUALITY" on 3/8/2017 by R K Math, Hyderabad.
- Seminar on "CREATE YOUR GREASTEST LIFE" on 1/8/2017 by TASK, Hyderabad.
- Seminar on "Employability Skills and Career option" on 21/02/2017 by Mr. Siddique Ahamed, Associate head-Training & GST, Tech Mahindra.

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: 76

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
21	12	16	10	17

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	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: 1

3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years

Response: 10

3.3.1.2 Number of teachers recognized as guides during the last five years

Response: 10

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	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: 0.61

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
56	38	30	22	34

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	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: 0.94

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
59	37	92	62	26

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:

Institute NSS Unit and UBA organizes every year the orientation program for the first years to inculcate the importance of community service to sensitize and motivate them to enroll for the said programs. The extension activities by the above programs to inculcate volunteers towards social issues and holistic development in the neighborhood community in terms of impact and sensitizing students.

Various student chapters under various professional bodies were formed for the students at departmental levels. Students actively participate and organize various events through these chapters as per the departmental needs and requirements for overall development of students.

Unnat Bharat Abhiyan (UBA):

The institute Empanelled in Unnat Bharat Abhiyan (UBA), Centre for Rural Development and Technology to build an understanding of the development agenda within institutes of Higher Education and an

institutional capacity and training relevant to national needs, especially those of rural India.

Following list of activities were organized in the neighborhood community in the last five years under each support system:

Projects Approved under UBA Scheme:

1. Technology Customization-Farm Guard Mobile App: Rs.50000 Received.
2. Technology Development-Precision LoRa IoT Farming: Rs.1 lakh Sanctioned

Under UBA Scheme adopted Ramdasally, Chinthapallyguda, Yengalguda, Turkaguda and Errakunta Villages in Ranga Reddy District and organized the following Community services thru UBA Scheme: (Other than NSS related Activities)

- Govt. Scheme Awareness-Program at Ramdasalli
- Govt. Scheme Awareness-Programme at Yengalguda.
- Swachh Bharat Action plan-(www.biet@sapmhrd.gov.in) at Yengalguda.
- Project competition conducted entitled “Improve village people INCOME”.
- Solar Ambassador Workshop conducted on Oct 02,2019.
- Tree plantation at Errakunda.
- Precision LoRa IoT Farming-Demonstrated at Ramdasalli.
- Clean India and NO PLASTIC awareness conducted at Yengalguda.
- NO PLASTIC awareness conducted at Turkaguda.
- Tree plantation at Turkaguda.
- Sanitation Awareness programme conducted at Yengalguda, Ramdasalli and Turkaguda.

National Service Scheme (NSS):

The motto, i.e., the watchword of the NSS is “Not Me But You”. This expresses the essence of democratic living and upholds the need for selfless service and appreciation of the other man’s point of view and also to show consideration for fellow human beings. It underlines that the welfare of an individual is ultimately dependent on the welfare of the society as a whole. BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY has been in the forefront of NSS activities.

NSS Activities:

Under NSS Scheme Adopted Toolekalan village (Ibrahimpattanam Mandal, Ranga Reddy District) and organized the following Community services thru NSS Scheme:

One week special village camp (twice: 2017-18 & 2018-19)

- Day 1: Inauguration program and survey
- Day2: Door to Door survey
- Day3: Swachh Bharat
- Day4: Awareness program on digital money, cleanliness and sanitation & Medical camp regarding Dental and Eye check up and conducting games at Govt.primary school
- Day5: Tree plantation and swachh bharaat at primary school & Medical camp regarding BP and

- Asthma check up and awareness rally regarding save water
- Day6: Inserting dustbins at different places and visiting anganwadi school
- Day7: Bus shelter for temporary residence and valedictory function & Distribution of prizes and valedictory function

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: 32

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
18	8	2	2	2

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: 75

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
25	17	11	12	10

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: 83.65

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
2245	2272	2330	2451	2284

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

3.5 Collaboration

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

Response: 231

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
104	55	26	33	13

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

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

Response: 42

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
18	1	9	6	8

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

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:

The institute, since its inception in 2001, has never compromised with infrastructural facilities be it physical buildings, machinery, equipment, software, books and other learning resources. Thus, it has built up an impressive and state-of-art infrastructure with modern facilities and learning resources as per the prescribed norms of statutory bodies like UGC, AICTE and JNTU-H. The College strongly believes that the right and adequate infrastructural facilities will provide ample of opportunities for both the faculty and students' academic development and growth. In fact the college strongly believes that infrastructure is the key element of its resources for providing quality education leading to innovations. Thus the main focus was on creating such a learning environment that would enable the students to transform into capable, confident and responsible engineering graduates the country is looking for. The college has a good academic ambience, spread in a sprawling campus of 25.07 acres, lush green environment having lots of trees and lawns conducive for learning atmosphere.

The available facilities are almost double than the requirement prescribed by the AICTE and JNTUH. The total land area available is 98% more than the prescribed. The access and circulation (staircase and corridors) area is more than that prescribed by the apex bodies. The carpet area of the amenities (boy's & girl's common room, toilets, cafeteria, sports, gymnasium, yoga etc.) is more than the required area. The administrative (principal office, HOD and faculty cabins, examination cell, placement office, security etc.) carpet area is more than the required area. The instructional (classrooms, tutorial room, laboratories, library and reading room, seminar halls, auditoriums, workshops, drawing halls, computer centers, etc.,) carpet area is more than the specified area. In summary the overall built up area is more than the required.

All laboratories are fully equipped with latest state-of-the-art technology and equipment. The computing facility consists of licensed software (system software and applications software) and also a good number of open source software are also being used by the faculty as and when the curricular requirements. Adequate Administrative and support facilities are also available to foster an academic requirement. The computing facilities of the college cater to the needs of faculty and students to foster an effective TLP. There are sophisticated IT facilities like 1315 Computers, 70 Printers, 9 Legal System Software and 22 Legal Application Software, 90 Multimedia Projectors, 300 Mbps of Internet Bandwidth and 90 secured Wi-Fi connectivity access points. A health computing ratio of 1:2 computers to student against the prescribed ratio of 1:6 is being maintained. The Library with an area of 1230 SQM with a seating capacity of 400. The digital library is equipped with 30 PCs which are connected with Wi-Fi and LAN for fast and seamless access of the Internet for streaming NPTEL lectures and using e-Resources for the benefit of its users.

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:

The institute focuses on overall development of the students through participation in co-curricular and extra-curricular activities. Outdoor and indoor sports and games contribute significantly in grooming students. Qualities like leadership, team spirit, and competitive spirit can be inculcated amongst the students through such sports activities. Students are encouraged to participate in different sports/Games and cultural activities. Yoga classes are being conducted for promoting health in the staff and students. Cultural activities are conducted in the seminar halls, Auditorium and open air theatre of the institution.

Sports and Games

Institute has employed a well-qualified and experienced physical directors, who trains and supervises students actively participating in various sports and games activities and competitions. Physical Directors trains the students in their chosen games in the time-slot allocated to them. The institute has a spacious and well equipped indoor-sports room, where students can play games like table tennis, chess, caroms, Gym and Hall for Yoga etc. Sufficient area is allocated to outdoor sports and games with adequate facilities. Well laid courts are available for games such as badminton, basketball, volleyball, throw ball, Kho-Kho, kabaddi, cricket net practice, ring tennis etc. Institution encourages students to participate in intra-college, inter-college, university-level, district level, state-level competitions and national level competitions.

Cultural Activities

All the seminar halls and auditorium are provided with adequate facilities to conduct various cultural activities. Cultural activities are conducted in these seminar halls and auditorium on different occasions like fresher's day, Annual day and on such other important occasions.

To bring out and to encourage inherent talents of the students, various clubs are introduced. Students join in these clubs depending on their interest. Students are encouraged to actively participate and showcase their talent and skills. These activities contribute to bring out latent talent among students, which help to build their overall personality by developing communication skills, leadership qualities and to be a constructive part of a team. Students are encouraged to participate in co-curricular and extra-curricular activities in inter-college, inter-university and in National level competitions.

Various clubs are:

S.No	Name of the Club	Categories
I	Cultural Clubs	Singing Club
		Musical Instruments Club
		Drama /Mono action/Skit Club

		Mime/Mimicry Club
		Dance Club: a)Classical Dance & b)Western Dance
II	Literary Clubs	Debate Club
		Orators / Toastmasters Club
		Quiz Club
		Poetry Club
III	Art Clubs	Painting Club
		Photography Club
		Rangoli/Mehandi
		Pottery Club
IV	Sports & Games Clubs	Basket Ball Club
		Throw Ball Club
		Tennis Club
		Chess Club
		Table Tennis Club
		Volley Ball Club
		Foot ball Club
		Cricket Club
V	Technical Clubs	Robotics Club
		Mathematics Club
		Physics Club
		Any other related to your department

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: 97.3

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 72

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	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: 96.02

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
169.30	329.84	485.46	1338.89	1596.81

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

4.2 Library as a Learning Resource

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

Response:

Two libraries spanning over an area of 1230 sq. mtr. equipped with Library Management System services; which is automated through a software program, designed and developed by our own team. ILMS Software Package is an Integrated Library management System (ILMS) with Barcode Scanner that supports all in-house operations of the library.

Name of the ILMS Software: Koha (open source)

Nature of Automation: Fully Automated

Version: 19.05

Year of automation: Koha 3.5 (2016) & Upgraded Koha 19.05 (2018)

The Central Library of the Institution has an excellent knowledge providing facility for the benefit of students, faculties and researchers. As one of the best established libraries meeting International Standards, the central Library has a large collection of books covering various branches of Engineering and Technology, Management, and Humanities and its related fields.

Library has the collection of 64407 volumes and 16640 titles. Central subscribes two online databases like DELNET and INFOTRAC. Each database consists of 3000 plus e-journals and e books. They are downloaded and uploaded on all the systems. DELNET has Engineering Science and Technology collection and Management collection. Central library subscribes around 136 print journals every year.

The Library offers computerized Catalogue Search Services for user community through the On-line

Public Access Catalogue (OPAC) (<http://172.16.19.189:8000>) which allows access of bibliographic details of the books available in the Library.

Around 9100 Video lectures (NPTEL) are available for ready access from the digital library on IP 172.16.16.30/NPTEL in the LAN.

The library subscribes full-text e-resources providing access to e-journals and e-books, etc. and access to the e-resources are based on the authenticated IP address (<http://172.16.19.189/>). The users can access these resources from anywhere on the campus at any time through the Intranet. Digital Library is equipped with 30 Desktops with Wi-Fi and LAN enabled with 300 Mbps for fast and seamless access the Internet and e-Resources for the benefit of their academic and research. Library webpage (<http://biet.ac.in/library.php>) provides access to various services as well as e-resources, Online Public Access Catalogue (OPAC) etc., besides giving detailed information about library, rules and regulations and necessary contact details.

The library conducts a Book Exhibition by inviting local approved vendors/distributors and various prestigious publishers to inculcate reading habit among the students and faculty members.

Holdings of the Library as on date are:

Books : 64,407

Titles : 16,640

Print Journals : 172

e-Books (DELNET): More than 6000

Video Lectures: Around 9100 Video lectures (NPTEL)

Facilities / Services available at BIET Library:

Open Access System : Yes

Reprographic Facility : Yes

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: 14.29

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
13.22	16.04	15.72	13.13	13.34

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: 22.28

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

Response: 680

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

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The IT infrastructure of the institute is maintained by trained and experience professionals. The objective of computer centre is to provide state-of-the-art and robust hardware facility, softwares and networking support for securely maintaining the College Academics, Administration, Examinations and Research related activities. It has been the epicenter of all network and application needs of the College since its inception and efficiently manages the core IT infrastructure.

The Computer laboratories are being upgraded from time to time to provide the best computational infrastructure to the students. The Infrastructure consists of backbone Fiber optic cable network of 2 kms connecting all the building blocks of the college; Wired and Wi-Fi equipment of 100+ Hub racks, 200+ network switches, 70+ access points etc; 17 Servers hosting different applications which provide computational environment; Internet Facility of 300 Mbps from Pioneer ELabs Limited.; 9 System softwares and 22 Application softwares; 100+ Air conditioners to maintain 1315 plus computers in various laboratories, research centers and administrative offices. The ICT equipment of 90+ multimedia projectors, 6 Public Address Systems; 10 Biometric Finger-Print, Face Recognition, Aadhaar Enabled Attendance System and Access card equipment; 40 Fire protection and safety equipment; and 50+ CC Cameras surveillance equipment for campus safety and management.

The centre also provide continuous and uninterrupted services by coordinating and extending hardware & networking support to all the academic departments, examination branch, administration office, Central library, and other central facilities. Be as single point of support for designing, procuring, installing, interfacing, troubleshooting and maintaining of IT devices and peripherals.

Updating the Internet facility and services from time to time to cater to the academic and research needs in the Campus. Consecutive up gradation arrangements are incorporated into yearly spending plan. The exercises have been arranged in a manner that, the IT framework and related offices are dependably keeping pace with best in class innovation.

The total number of computers presently available is 1315 that is on LAN.

Frequency Up-gradation:

- A.Y 2018-19: 405 computers were purchased with 4GB RAM, 1TB HDD from Dell and HP for various project, research and upgradation of labs.
- A.Y. 2018-19: 16 new servers systems from DELL POWER EDGE T30 were purchased with

16GB RAM, 1TB HDD, Intel Xeon E3-1225v5.

- A.Y 2017-18: 170 computers were purchased with 4GB RAM, 1TB HDD from Dell for upgradation of labs.

Internet & Wi-fi:

- Full coverage of Wi-Fi
- 300 Mbps speed internet
- Internet connectivity to all computers

Internet Provider: PIONEER ELABS LIMITED

Available bandwidth: 300 Mbps

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

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

Response: 2.63

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. 750 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: 17.1

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
157.60	141.93	150.44	146.50	140.91

File Description	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:

The physical, academic and support facilities like classrooms, labs, seminar halls, auditorium, computer centre, transport, auditorium, conference room etc., are well maintained and used based on the requirement as per the standard procedure.

There are college level committees that look after the various aspects of the utilization and maintenance of the physical, academic and support facilities.

- Admin Committee
- Academic Committee
- Library Committee
- Repair and Maintenance Committee
- Infrastructure Procurement Committee
- Electrical maintenance & Disaster management
- Event Management: (a)Protocol , (b)Transportation Logistics, (c)Purchase and Food Arrangements , Stage decoration and management, Hospitality ,Press & Media

Once the Calendar of Events is prepared in the beginning of the semester, the time-table for each section of every semester is prepared allotting the classrooms and the laboratories. This facilitates the optimum usage

of resources.

Certain laboratories and workshops are required to be shared and utilized as common facilities. Such facilities are shared by different departments. At the beginning of the semester the time table in charge will resolve this issue by consulting the HODs and the principal.

Classrooms, laboratories & auditorium:

Class rooms and auditorium come under daily maintenance. The facilities department takes rounds of all the class rooms and auditorium every day. In case of requirement for maintenance such as lights, fans, benches etc will be attended by maintenance staff.

Laboratory in charge, along with laboratory assistant, ensures proper working of all equipment at the beginning of each semester. Repairs and Maintenance of laboratory equipments are initiated by the respective Laboratory In charge as and when required. As per the requirement, minor repairs are carried out by lab assistant/s. Faculty In charge and HOD handles the major repair/maintenance by placing order to the concerned equipment experts.

Computers and allied Infrastructure:

Routine computer maintenance, software installations, networking are handled by the CSE Department. Computer, LCD projectors and CC cameras maintenance and checking activity carried out by team of system engineer, hardware engineers and technicians.

The equipment with major repair, are being repaired by outside agency. After receiving quotation for maintenance and repair charges necessary approval from college authorities and management is taken. Thereafter equipment is sent for repairing by issuing gate pass and the status of repair work is tracked.

Library, Sports and Games:

The librarian is the in charge for handling all the maintenance works required in the library through maintenance staff. He takes care of utilization of books, computers and other learning materials in the library.

The physical director takes responsibility for all repairs pertaining to sports equipment and courts. He has to maintain courts properly on daily basis with the help of the maintenance staff.

Electrical Facilities:

Electricians are available round the clock to address power breakdown. Facilities Department monitors the services of electricians. They perform regular checks in classrooms and in the campus to ensure that all electrical fittings are in excellent condition.

Buildings and Infrastructure:

Maintenance of buildings and related areas are undertaken by the Facilities Department.

Maintenance staff consists of Qualified Electricians, Carpenters, Plumbers and other service personnel.

Monitoring of the facilities is carried out regularly by the Facilities department. Maintenance and housekeeping of the classrooms, laboratories, library, and the institute as a whole are taken care by the Facilities Department with help of maintenance staff. Minor maintenance of furniture items and metal fixtures is carried out by the workshop.

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



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: 71.57

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
2063	2104	2072	1928	1761

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: 21.23

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
653	612	592	556	531

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: 84.84

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
2362	2417	2435	2336	2209

File Description	Document
Number of students benefitted by guidance for competitive examinations and career counselling during the last five years	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: A. All 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: 33.22

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
337	160	217	234	245

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: 43.86

5.2.2.1 Number of outgoing student progression to higher education

Response: 343

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: 100

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
112	61	42	40	18

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
112	61	42	40	18

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: 62

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
23	30	4	3	2

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:

The Institute creates a platform for the active participation of the students in the various academic and administrative bodies including other activities. This empowers the students in gaining leadership qualities, in following rules, regulations and execution of skills. Student Councils are actively participating and

organizing various activities related to academics, co-curricular and Extra-curricular activities, with the guidance of faculty. They are providing great support to college related academic / administrative work with the help of other students. They are actively involving in motivating the students to participate in various activities conducted by the college. Students are encouraged to participate in co-curricular and extra-curricular activities in inter-college, inter-university and in National level competitions.

Institute has constituted various other committees to involve in different academic and administrative activities in campus apart from the Student Council. College is very keen in encouraging students to participate in various academic and administrative committees. It improves the academic and administrative capabilities of a student.

The various student council and representative committees in BIET are:

- Students' representation and engagement in **Class Representative Committee (CRs)** as *Elected CR and Selected CR*
- Students' representation and engagement in **Professional Societies student chapters** (Indian Society for Technical Education (ISTE), Institution of Engineers (IE), Institution of Electronics and Telecommunication Engineers (IETE), Association for Computing Machinery (ACM), Computer Society of India (CSI) etc. student chapters as *Student Member* for co-curricular activities
- Students' representation and engagement in **NSS committee** as *volunteers*
- Students' representation and engagement in **NCC committee** as *volunteers*
- Students' representation and engagement in **Club Activities** as *Student In-Charge Facilitator and Student Assistant In-Charge Facilitator* for co-curricular and extracurricular activities
- Students' representation and engagement in **Alumni Activity committee** as *members*
- Students' representation and engagement in **Anti Ragging committee** as representatives of students belonging to the *freshers' category* as well as *senior students*
- Students' representation and engagement in **IQAC** as *Student representative member*
- Students' representation and engagement in **Department Advisory Council (DAC)** as *Student representative member*
- Students' representation and engagement in **Mini and Major Project Work** as *Team Leader*

Various Clubs are:

S.No	Name of the Club	Categories
I	Cultural Clubs	Singing Club
		Musical Instruments Club
		Drama /Mono action/Skit Club
		Mime/Mimicry Club
		Dance Club: a)Classical Dance & b)Western Dance
II	Literary Clubs	Debate Club
		Orators / Toastmasters Club
		Quiz Club
		Poetry Club
III	Art Clubs	Painting Club
		Photography Club
		Rangoli/Mehandi
		Pottery Club
IV	Sports & Games Clubs	Basket Ball Club

		Throw Ball Club
		Tennis Club
		Chess Club
		Table Tennis Club
		Volley Ball Club
		Foot ball Club
		Cricket Club
V	Technical Clubs	Robotics Club
		Mathematics Club
		Physics Club
		Any other related to your department

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: 46.4

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
54	55	38	45	40

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:

The Institute has Alumni Activity committee. The main objectives of Alumni Activity committee are:

- To promote and foster mutually beneficial interaction between Alumni and the Institute.
- To encourage the formation of regional chapters to increase participation of Alumni.
- To encourage the Alumni to take abiding interest in the process and development of Institute.
- To arrange and support in placement activities for the students of Institute.
- To encourage the students of the Institute and members of the Association for research & development work in various fields like engineering, computer Industrialization etc.
- To mentor the students of the Institute for higher education, development of character and being Good citizens.
- To provide scholarships to deserving students and ex-students of the Institute for the purpose of education and sports.
- To encourage and guide the students of the Institute on self-employment to become entrepreneurs.
- To guide students of the Institute on various professional avenues available and support them through various activities such as expert advice, seminars, visit etc.
- Promote the Industry-Institute interaction to bridge the gap between industry requirements and education offered and enhance students' employability.
- To help and assist other regional bodies for training programs in entrepreneurship development, with resources available with association.
- To encourage and support students of the Institute in sports, cultural and extra-curricular activities.
- To promote computer and internet literacy among the society.
- To provide medical support to existing and retired teaching and non-teaching staff.
- To organize debates on various social issues.
- To help towards environmental conservation , anti-pollution activities against air, water and sound pollution, by slide show, street play, demos, handbills and all possible ways of social awareness.
- To help victims and victim areas of natural calamity and disasters like earth quakes, flood, storms, malnutrition, fire and violence etc.
- To help and guide students and ex-students of the Institute for anti-drug, anti-ragging, and any other anti-social activities.
- To publish books, periodicals for public interest.
- To arrange blood donation, eye donation and health awareness Camps.

Sighting the above objectives of Alumni Activity committee our alumni contributes in many ways for the development and betterment of our Institute. Our students and Institute are benefited in various fields such as student placement, training, expert lectures, career guidance sessions, Industrial visits and mentoring. The alumni of Institute is guiding and nurturing our students to become engineering professionals. It is our plan to develop everlasting relations with our alumni which in turn will give rise to mutual benefits.

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: A. ? 5 Lakhs

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

NAAC

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:

Institute has vision and mission which are futuristic in nature. They satisfy the needs of society by providing quality education through leading-edge technology.

Vision of the Institution:

To achieve the Autonomous & University status and spread universal education by inculcating discipline, character and knowledge into the young minds and mould them into enlightened citizens.

Mission of the Institution:

To impart high quality education, in a conducive ambience, as comprehensive as possible, with the support of all the modern technologies and make the students acquire the ability and passion to work wisely, creatively and effectively for the betterment of our society.

The Quality Policies are framed based on the Vision and Mission of the Institution and are driven by the needs of the industry, society and stakeholders. Deployment of the quality policy is done by providing requisite academic infrastructure, learning environment and harmonious work culture. The stakeholders Feedback plays essential role in framing and revising activities.

Vision and Mission of the Institute focuses on the needs of society by providing quality education. The governance comprising of Governing Body (GB), Department Advisory Council (DAC) and Internal Quality Assurance Cell (IQAC) play significant role in the evolutionary reforms towards positioning the Institute in the preferred list of all stake holders. The Institute believes in promoting a culture of delegation of powers through strategic policies. The Principal of Institute is assisted by HODs, Administrative Head, Section in-charges and coordinators of various cells/committees in decision making process of the Institute. Faculty and staff are assigned with the roles and responsibility to work in a harmonious environment with complete transparency. IQAC has a well developed process to ensure quality benchmarks of academic and administrative activities.

The Institute maintains the culture of retention of Faculty and hence has an edge of senior and dedicated Faculty for realizing its Vision. Institute follows recruitment policies and service conditions as per the rules and regulations of regulatory authorities. Fair representation of women faculty is also ensured at all levels of organization and congenial environment is fostered.

Based on the Vision and Mission of the Institution, Quality Policies are framed and driven by the needs of the corporate world, society and stakeholders. Institute has a perspective plan developed by Principal and HOD's with suggestions of IQAC, DAC under the guidance of GB. Deployment of the quality policy is done by providing requisite academic infrastructure, learning environment and harmonious work culture. Student's surveys and feedback from all the stakeholders plays vital role in framing and revising policies.

IQAC formulates perspective plan taking into consideration inputs from all stake holders. This plan is presented and deliberated in DAC under the chairmanship of Principal to get consensus. This plan is forwarded to the governing body for approval.

The Institution policy believes involvement of all staff in decision making. To streamline the same, various committees at Institute level are formed which look after academic and administrative activities which lead to the realization of vision and mission of the Institute.

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:

Institution practices decentralization and participative management. Decentralization and operational transparency are the features of the institute.

The institute having been a support for participative management achieved it involving faculty and students. Thus it formed policy of participative management as it forms part of democratic governance. The Governing Body considering the same as a quality promotional policy for the improvement of the institution has accorded to its approval.

The institute works as per the rules and regulations framed by JNTUH and governing Body in designing and implementation of the quality policy and plans. The Principal is the Head of the institution and is empowered with sufficient authority and power delegated from the management for smooth functioning of day-to-day activities. Under the direct supervision of Principal all the departments of the institute function. Day-to-day academic activities of the departments are taken care by the HODs. The Principal, as a representative of the institute, leads its faculty members and HODs in all academic matters. He encourages and cooperates the HODs and faculty members in ensuring a proper academic environment in the institute which may benefit the students.

The plans and the policies for fulfillment of the mission of the institute are executed by the active involvement of the college authorities, along with all the faculty members. For this purpose, different committees have been constituted in the institute, who has been entrusted with the responsibility of implementing the programmes and policies. Efforts are regularly being made by the authority to create ample environment and suitable platform for all-round development of the students.

For the proper functioning of the institute and promotion of participative management, the institute runs on a decentralized management operative process, wherein different committees have been framed by the Principal in the governance of the institute. Such decentralized and participative management leads to a situation of harmony and congenial atmosphere in the institute for the development of the students.

A number of committees have been constituted by the Principal to run the institute properly and smoothly. Senior members of different faculties head the respective committees. Principal, along with the faculty and the staff are being involved in the process of decision-making and its implementation. Principal and HODs always welcomes the suggestion and proposals of the faculty-members and committees and transforms them to applicative practices in the institute. The In-Charges of different committees including extra-curricular student-centered and student-supporting activities as well as co-curricular activities have operational autonomy.

The institute has an Internal Quality Assurance Cell, which includes members from various stakeholders. IQAC meets at regular intervals and plays an important role in the implementation of its plans and policies.

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:

The perspective/strategic plan is made by institution to fulfill requirements of industry and society by providing quality education to produce technically competent Engineers and Managers to serve the nation. Student's progression towards technical and social excellence is achieved with well established infrastructure. Institute has developed a strategic plan of establishing IQAC in 2014 for ensuring quality in Teaching and learning, enhancing industry institute interaction, innovation and incubation centre, promotion of research in staff and students. Promotion of R&D, getting NBA accreditation, NAAC accreditation by 2018 and Autonomous status by 2020-21 strengthening the campus facility.

Successfully Implemented:

1. IQAC

According to the strategic plan which is in line with vision of our institution, IQAC was established in the year 2014-15. In our institute all major tasks related to teaching learning, academic and administration planning, implementation is being monitored by Internal Quality Assurance Cell (IQAC).

IQAC has made constant efforts to shift from the traditional teacher-centric approach to a student-centric approach. Some of the initiatives taken are:

- Periodical review of teaching learning process.
- Monitoring student academic progress.
- Adapting to student centric, ICT enabled and interactive teaching learning methods.
- Introduction of MOOC/NPTEL/SWAYAM

- Scope for Self-learning
- Prominent academicians from reputed institutions were invited for guest lecturers on advanced topics.
- Organizing expert sessions on various teaching-learning and pedagogic methods.
- Organizing faculty enrichment programmes.
- Internal Quality Assurance Cell (IQAC), BIET conducts Academic Administrative Audit (AAA) at regular intervals. Based on AAA report, suggestions are given to concern for improvement based of the discrepancies found during audit

2. R&D

Research and Development was institutionalized and many research papers were published through peer reviewed journals in the year 2017-18 and 2018-19. Some of the initiatives taken are:

- Recruitment of Faculty with Research abilities
- Equipped laboratories with research suitable equipment / software
- Technical services such as sophisticated equipment and software

3. Training and Placements

To offer variety of training modules to suit higher education or perspective career. To continuously provide mentoring with experts from industry to appraise of the industry demands relevant skill set. The core departments shall offer training in technical domains. Some of the initiatives taken are:

- Technical domain training by TASK through placements department
- In-house summer training was started from 2017-18 onwards
- Student internships through AICTE Internshala and Placements department
- Online assessment by COCUBES through placements department
- Organized special awareness and training for entrepreneurs

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:

With the hands-on experience of the management, the Institutional Management is designed in a scientific way with transparency to get the optimum results out of it. A hierarchical sets up is established from top management to down the level clearly demarking the Duties, Responsibilities, Accountability and

Authorities at every stage.

Bharat Institute of Engineering and Technology (BIET) has been established in 2001 under Chinta Reddy Madhusudhan Reddy Educational Society (CRMR). It has a Governing body to monitor and achieving the vision and mission of the institution. It has an effective organizational structure which monitors and improves the institution.

The over-all structure of the Institutional Management is categorized as “ACADEMICS” and “ADMINISTRATION”. Keeping in view all the stakeholders more on students an effective administrative system is structured.

The Institution has constituted various committees at institute and department level for the effective functioning of the organization. The objectives and functions of the committees are organized as per the guidelines of the head of the institution.

Institute Level Committees:

- Institutions Industry collaboration committee for project grants & consultancy
- R&D and Professional Societies Committee
- NIRF Committee
- NBA Committee
- NAAC Committee
- Autonomous Committee
- Admin Committee
- Academic Committee
- Library Committee
- IQAC for Academic Audit
- IQAC for student regularity, Mentoring, Parent interaction, labs & Infrastructure Monitoring
- Event Management (a)Protocol , (b)Transportation Logistics, (c)Purchase and Food Arrangements , Stage decoration and management, Hospitality ,Press & Media
- Repair and Maintenance Committee
- Infrastructure Procurement Committee
- Training for Placement Committee
- Placement Cell Committee
- GATE& Higher Education Committee
- Alumni Activity Committee
- Entrepreneurship Development Cell (EDC) Committee
- Website Committee
- Examination Cell Committee
- Vivekananda Centre for Human Excellency Committee
- ICT/e-learning, NPTEL, MOOCS Committee
- Internship Committee
- Students Projects Cell Coordinators Committee
- Hackathon Committee
- Remedial and Bridge Class Committee
- Discipline Committee
- Anti Ragging Committee

- Women grievance Cell (only female faculty) Committee
- Student Grievance cell Committee
- Admission Committee
- NSS Committee
- NCC Committee
- Environmental and Nature Protection Committee
- Renewable Energy Committee (Members only from EEE, CIVIL, MECH)
- Scrap Committee
- Swachh Bharat for Clean Campus
- Waste Management (a. E- Waste, b. Solid Waste, c. Liquid Waste)
- Transport Committee
- Automation & Smart Campus Committee
- Electrical Maintenance & Disaster Management Committee

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:

The Institute has a welfare mechanism in place, for teaching and non-teaching staff.

Welfare measures for Teaching Staff:

- As per the norms of AICTE, Pay commission recommendations are implemented
- Service, Conduct and Leave Rules are made available in the institute website
- Extending EPF Scheme is implemented to all eligible members (as per PF Rules)
- Extending ESI facility is implemented to all eligible members (as per Govt. Norms)
- Group insurance is provided to all the Teaching staff members.
- Free Transportation to all faculty members
- Additional Increments for Teaching Staff blessed with baby girl
- The faculty is honoured with an incentive in the form of cash for various distinguished merit activities in the field of academics and research.
- 10 days of sabbatical leaves will be sanctioned with full pay to the teaching staff for attending FDP/Workshops/Conferences / who have registered for / pursuing to attend the Ph.D work
- 7 days Special Leaves with pay for newly married staff.
- 3 months Maternity Leave
- Medicines are available in the college for minor ailments.
- College organizes free and periodic health checkups.
- Appreciation for the faculty member for achieving 100% results in the dealt course.
- ATM facility is available in the campus.

R&D Incentives for Teaching staff:

- Reward the best and the second best technical papers having impact factor more than 1.0 from each of the departments with monetary reward of Rs.5000/- and Rs.3000/- respectively.
- Sanction OD for presenting papers in conferences, symposiums and workshops in other establishments at least once in a semester.
- Sanction 2nd class TA and DA for out station conferences and symposiums, in deserved cases.
- Allow faculty to attend conferences, symposiums and workshops acquire knowledge on advanced topics at least once in a semester, by sanctioning OD.

- Provide incentive of Rs.10000/- to authors who published standard text books.
- Faculty members have to register for professional societies like ISTE, IETE, IEEE, CSI etc. by paying registration fee. However Institutional fee will paid by the Institute for starting local chapters.
- These recommendations may please make be effective from the first semester of 2016-2017 academic year.

Welfare measures for Non-Teaching Staff:

- Service, Conduct and Leave Rules are made available in the institute website
- Extending EPF Scheme is implemented to all eligible members (as per PF Rules)
- Extending ESI facility is implemented to all eligible members (as per Govt. Norms)
- Group insurance is provided to all the Non Teaching staff members.
- Concession in Transport fee to the staff.
- The faculty is honoured with an incentive in the form of cash for various distinguished merit activities in the field of academics and research.
- Medicines are available in the college for minor ailments.
- College organizes free and periodic health checkups.
- Uniform is provided for supporting staff.
- Maternity, Medical leaves / vacation is sanctioned for the required staff.
- ATM facilities are available in the campus.

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: 75.84

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
230	280	270	250	87

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: 17.4

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
22	19	23	12	11

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: 60.92

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
190	180	182	150	180

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:

Performance Appraisal System for Faculty:

Quality teaching is indispensable for improving student outcomes and achievements. Institute has well designed performance appraisal system. It is implemented with the help of Performance Appraisal Reports (PAR) which evaluates overall performance. Performance is self assessed and duly filled in PAR by Faculty and Staff at the end of every semester. PARs are then evaluated by respective HODs and Principal. PAR system inspires Faculty which boosts professional knowledge and growth. Therefore it is made mandatory for every Faculty and Staff to submit the performance appraisal every semester. The performance appraisal system evaluates on following parameters:

Key points for Faculty Appraisal - ACADEMIC:

1. Teacher's Diary Updation: Academic
2. Students Academic Results
3. R & D Activities
4. Identifying training needs in core subjects which you are teaching and the students you are mentoring
5. Project Guidance by Faculty
6. Helping students in Industry Internship / Summer Training / Industrial visits and Initiatives related to Industry Interaction
7. Helping students in encouraging entrepreneurship and incubation in core areas
8. Encouraging students in publications and awards in inter-institute events (the events / conferences organized by other institutes)
9. Individual Faculty Academic Responsibilities
10. Effective mentoring of students
11. Workshops to be organized
12. Placements related efforts
13. Improvements in Teaching-Learning Process and Pedagogical Innovations
14. More publications
15. Exposure on Magazines, Journals, Articles to be increased
16. Class In-charge responsibilities (applicable to only class Incharges)
17. Lab In-charge responsibilities (applicable to only lab Incharges)

Key points for Faculty Appraisal - ADMIN:

1. Teacher's Diary Updation: Admin
2. Personal Attributes
3. Maintaining discipline in the class room and dress code
4. Student mentoring
5. Class In-charge responsibilities (applicable to only class Incharges)
6. Lab In-charge responsibilities (applicable to only lab Incharges)
7. Department and college level committee members responsibilities
8. College Level Club Incharges and Members responsibilities
9. Department Placement Incharge/ Coordinator responsibilities

Non-Teaching staff:

Self-appraisal of Non-Teaching staff comprises the following components:

- Maintenance of Files
- Maintenance of Registers
- Assets/Stock Maintenance
- Work related
- Personal Attributes & Qualities
- Leadership/Inchargeship Attributes

On the basis of the above details, a committee under the chairmanship of the Principal will evaluate the appraisals of the non-teaching staff and submits its recommendations to HR for final decisions.

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:

Our society has maintained a very transparent financial system in the institutions. There are well defined processes for sanction of budget to expenditure.

An internal approval system for all expenses is in place. Accordingly bill/voucher is recommended by the Head of the Department and approved by the Principal and Honorary Secretary of BIET society. All the bills/vouchers are audited by an Internal Auditor on a routine basis. Proper record of all the expenses is maintained by the accounts department.

An external auditor appointed by the society, executes the statutory audit. Statutory financial audit is conducted in two sessions, one in the month of October/November for the period of April to September and second in the month of April /May for the period of October to March. Finalization of the account is completed in June/July and audited statements are prepared in June/July duly signed by the principal, and chartered accountant. Then audited report is submitted by chartered accountant.

No major objections are found in the audit by the statutory auditors and minor audit suggestions are complied as per procedure.

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: 6.87

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
2.95	1.05	2.15	0.71	0.01

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document

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

Response:

The institute has a well-defined financial policy which ensures effective and optimal utilization of finances for academic, administrative and developmental activities which help to implement the institute's vision and mission.

We have a dedicated strong financial team in place, which will organize optimum effective utilization of funds. Financial Planning is prepared well in advance for the organization with efficient Budgeting involving the various Academic Departments and Administrative Sections of the Institute. Every year we

prepare a budget which involves projected revenue and general expenditure and capital expenditure so that we can manage the funds effectively and planning well in advance. While preparing the budget we will consider the Head of the department requirements which include co-curricular and extracurricular activities in the annual budget. After reviewing of the budget by Principal, the final consolidated budget is forwarded to the Management for approval.

The institute is being run with self sufficient funds by generating the cash inflow from tuition fee from students and other miscellaneous incomes. In case of shortage of funds during the expansion or renovation of buildings, the management always supports by providing required finance and ensures the amount is paid back in certain period based on mutual understanding.

We have different purchase committees in place which ensures that the funds are monitored and utilized in an effective manner. The management will review the financial activities through scrutiny of budgets Versus actual in every quarter which will ensure whether the finance utilization is going in correct direction or else management recommends for alternate strategies.

We have different institute level committees for mobilisation of funds and the optimal utilisation of resources:

- Admin Committee
- Academic Committee
- Repair and Maintenance Committee
- Infrastructure Procurement Committee
- Scrap Committee
- Transport Committee
- Electrical Maintenance & Disaster Management Committee

File Description	Document
Upload any 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:

IQAC has contributed to institutionalizing the quality assurance processes in the following two areas:

I. IQAC for Academic Audit Verification Components:

1. FORM-1: WLTT- Workload Approval, Allocation and Time Tables Submission Status Report
2. FORM-2: LPCF - Lesson Plan, Course File & Lab Execution Plan Submission Status Report
3. FORM-3: SCRB - Syllabus Completion, Remedial & Bridge Classes Conduction Status Report
4. Daily Class Work Report (DCWR)

5. Student Lab Attendance Cum Lab Log Register (Laboratory Attendance Register)
6. Internal Examinations Marks
7. Student Mentoring / Counseling Register
8. Student Hand Book preparation
9. Teacher's Diary – Academic (Faculty)
10. Faculty Feedback and Action Taken

II. IQAC for Student regularity, Mentoring, Parent interaction, labs & Infrastructure Monitoring Verification Components:

1. FORM-4: AMLP - Attendance, Mentoring and Lab Performance Status Report
2. FORM-5: CARC - Conduction & Attendance Remedial Classes Status Report
3. Students Attendance Cum Academic Record (Class Attendance Register)
4. Student Mentoring / Counseling Register
5. Parent Communication Register (PCR)
6. Teacher's Diary – Admin (Faculty)

Two examples of best practices institutionalized as a result of IQAC initiatives are:

1. MENTORING ACTIVITIES FOR STUDENTS AND STAFF

Mentoring student is a unique feature of BIET. It is a process of creating a supporting relationship with faculty, parents and students aiming at comprehensive development of students. In this activity, Mentor helps a less experienced student to bring with them a higher level of experience for values of life. Mentoring helps to shape an individual's beliefs and values in a positive way. There are many benefits of mentorship in student development that includes communication, interpersonal relationship, technical, verbal, motor and leadership skills along with creative thinking and motivating students for extracurricular activity.

IQAC initiated the Faculty development training programs to meet the requirements of Mentoring. The Mentors had interactive sessions with professional psychologists and Doctors; this broadened their knowledge to understand the problems of student mentees. A meeting of faculty and student (Mentor and Mentee) is conducted on regular basis. Observations about students are recorded per meeting basis. Parents are also well informed about various aspects of development of their ward. The methodology and guidelines are reformed time to time as per the suggestions received from centralized meetings.

2. TEACHING- LEARNING AND PEDAGOGIC INITIATIVES

IQAC organized various teaching and learning initiatives by eminent academicians. IQAC has made a continuous effort to shift from the traditional teacher-centric approach to a student-centric approach. It enabled the institute to use learning approach that integrates student-centered, traditional in-class learning with other flexible learning methodologies using media, web-based learning and e-resources with increased access to educational content and flexibility. Some of the initiatives taken are:

- Organizing expert sessions on various teaching-learning and pedagogic methods.
- Adapting to student centric, ICT enabled and interactive teaching learning methods.
- Organizing faculty enrichment programmes.
- Prominent academicians from reputed institutions were invited for guest lectures.

- Monitoring student academic progress
- Periodical review of teaching learning process.

Outcomes of the best practice are:

- As per the needs of students the teaching pedagogies are styled.
- Institute has started NPTLE Local chapter to provide online learning platform to the students.

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:

Continuous development is attempted through IQAC at periodic intervals. It is responsible for directing, developing, providing and implementing guidelines to review curricular, instructional, teaching and learning materials. Latest teaching aids, techniques, activities, assessment tools and methodologies are used to enhance overall functioning to achieve goals of the Institute.

Two examples of institutional reviews and implementation of teaching learning reforms are outlined below:

1. Continuous Assessment System
2. Student Feedback on Teaching and Learning Process

1. CONTINUOUS ASSESSMENT SYSTEM

To assess and keep handy records of student’s performance, the methodology of maintaining continuous assessments sheets (CAS) in the form of *Teacher’s Diary-Academic* was developed and implemented. Initially Policies were framed for continuous assessment to initiate formative assessments and provide opportunities of success to students continuously. The strategies developed and policies framed time to time were laid down on *Teacher’s Diary-Academic* which was distributed among all faculties in the beginning of each Academic year. It provides the excellent way of disseminating all policies framed for students and staffs performance monitoring. All teaching and learning activities were recorded, assessed and reviewed by checking records of these *Teacher’s Diary-Academic* continuously. It reflected number of lectures, practical’s, expert lectures and other co-curricular activities conducted by faculty, students attendance and continuous assessments. Students and faculties were regularly monitored based on this

Teacher's Diary.

Depending upon the outcome achieved and the need raised; the policies, methodology, mode of *Teacher's Diary* are being upgraded time to time. It also gives ideas of periodical reformations occurred in assessment tools, techniques and methodologies used for evaluating faculty and students performance.

2. STUDENT FEEDBACK ON TEACHING AND LEARNING PROCESS (TLP)

Student feedback on faculty performance is done through comprehensive performance systems and the feedback is communicated to all concerned. Students appraise the faculty through a structured format on a variety of parameters. Based on the feedback the institution updates academic programmes and value added programmes most relevant to the current requirements.

Institute has adopted two structured mechanisms to continuously review the teaching learning process are:

Student feedback on TLP:

Student feedback on TLP has been collecting just before the end-semesters and suggestion/appreciation letters will be issued to the faculty regarding feedback. This feedback has five metrics (attributes) are as follows:

- Planning and Organization
- Presentation / Communication
- Student Participation
- Class Management / Assessment of the Students
- Overall Rating

Student feedback has been collecting from students' at beginning of the semester. Feedback analysis has been preparing based on the data and suggested accordingly.

This feedback has two categories are as follows:

- *Specific skills of the teacher* like, subject knowledge, communication skills, class preparation, and use of ICT tools
- *The overall approach of the teacher and institution* with respect to providing the right environment, motivation, interpersonal relationships, feedback etc.

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

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:

Gender equity & sensitization in curriculum:

- The course on “**Gender Sensitization (An Activity-based Course)**” was introduced by the affiliating university JNTUH as a compulsory foundation course with two credits in II year II semester in B.Tech for all branches of Engineering and Technology from the academic year 2015-16 (with existing R13 & R15 regulations. It should be treated as a Lab Subject (Student Centered). Further continuing with “**Gender Sensitization Lab**” from 2016-17 onwards.

Learning Outcomes of the Course:

- Students will have developed a better understanding of important issues related to gender in contemporary India.
- Students will be sensitized to basic dimensions of the biological, sociological, psychological and legal aspects of gender. This will be achieved through discussion of materials derived from research, facts, everyday life, literature and film.
- Men and women students and professionals will be better equipped to work and live together as equals.

Gender equity & sensitization in co-curricular activities:

The following Gender equity promotion programs organized by the institution during the last five years:

- Sports and Games competitions for girls
- Various club activities like Cultural programs, Dandiya & Bathukamma, Fresher’s day, International Women's Day, Painting competition, Pongal Celebrations, Plantation, yoga etc.

Facilities for women on campus:

The following Specific facilities provided for women

1. Safety and security:

Surveillance CCTV cameras are installed in the campus for monitoring students’ movements into and out of the college. The security personnel are deployed across the college premises for any kind of security incidents/issues and offers strict vigilance. Helmets are made mandatory to enter/leave college campus. Fire extinguishers are available in all labs and corridors. Regular check on fire extinguishers is taken care by administration department. Anti-ragging committee will ensure that campus is free of ragging. The anti-ragging squad regularly monitors at scheduled timings in different places to make the campus ragging-free. The college also has anti-sexual harassment committee to address issues if any. Any sort of complaint can

be lodged either through online or complaint box provided at the Principal's office.

2. Counselling:

Counseling is arranged by the college for girl students in three major areas i.e. Counseling related to academics, career and behavioral patterns. The counselor counsels the student on issues like personal, psychological, emotional problems and difficulties. It helps them to deal with stressful or emotional feelings and to inculcate the positivity in them.

3. Common Rooms:

Separate Common rooms are provided for boys and girls. Rooms are provided with necessary facilities like first aid box, rest room, cots, beds, mirror, chair, table, washbasin, dustbin, etc.

4. Day care center for young children:

Child care is one of the most effective ways that colleges can help their employees in completing their work without being worried about their child's welfare. BIET provides an on-campus care center which is much less affordable and high in quality. Over the years, BIET has maintained the day care with essential products and services. Many faculties in the campus have used this resource of BIET Day Care Centre.

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
Link for annual gender sensitization action plan	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: A. 4 or All 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:

Inspired by Swachh Bharath, a flagship initiative of Government of India, the college took several initiatives to properly dispose waste and maintain eco-friendly environment in and around the campus. Appropriate labeling is used on all kinds of bins to help users discard various type of waste avoiding manual segregation.

Solid waste management:

Institute practices the segregation of Solid Waste and its effective management in the campus. The collected waste is segregated at the source of the generation. The waste bins are placed separately for dry and wet waste at every corner of the corridor, wash rooms and common room. The dry waste bins are also placed in laboratories, library, classrooms, etc. The dry and wet waste is handed over to municipal waste collection agency for further treatment. The dry & wet waste is collected and dumped in the biogas plant of BIET to convert waste to Energy.

Liquid waste management:

The institute practices segregation of waste water into water from wash rooms and water from laboratories. Liquid waste from the wash rooms is conveyed to the Municipal drain and waste water from laboratories is disposed off into closed collecting tank after neutralizing the chemicals etc. Liquid waste from the canteen & the wash rooms is collected into pools, recycled using four beds filtration method will further be used for watering the gardens.

Biomedical waste management:

The institute is not involved in any clinical experiments directly hence no biomedical waste is generated.

E-waste management:

The condemned batteries and damaged computers are disposed through outside agencies. Obsolete computers and other electronic gadgets are sold to recyclers. E-waste generated is given to the authorized dealers who purchase the scrap and reuse the useful components. Apart from this, the electronic and electrical instruments under repair are given to the students during the lab sessions to dismantle and reassemble, which help in application oriented learning. The low configured computers are donated to nearest schools.

Institute has a MoU with “**Rapidue Technologies Pvt. Ltd.(Recykal)**” is India’s first cloud-based platform to buy and sell recyclables to accelerate India’s circular economy shift. This platform provides on-demand supply for e-waste to help us to dispose waste properly to protect the environment and recycle it to make useful products.

Waste recycling system:

It handles the liquid wastes and makes it suitable for reusing. Recycled water is used for toilet flushing and gardening. The artificial water ponds within the campus serves as a reservoir for rain water harvesting and it helped in preventing water logging inside the campus during summer. All buildings have been provided with rain water harvesting systems complying with the State Government Regulations.

Hazardous chemicals and radioactive waste management:

Hazardous Chemicals are kept separately in the store room away from the reach of students. Lab Incharges takes care of the chemicals and safety norms in the laboratory are strictly followed. Students are made aware of the hazardous chemicals and safety aspects before utilizing the chemicals. The labs are well ventilated and spacious.

File Description	Document
Any other relevant information	View Document
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	View Document
Link for Geotagged photographs of the facilities	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: A. Any 4 or all 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: Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	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: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View 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:

The institute is located at Mangalpally-Ibrahimpattam on the outskirts of Hyderabad which spreads over 25 acres of lush green campus enveloped with serene beauty and environment. Over 3000 strength of students along with about 250 faculty members come from various cultural backgrounds who carry forward their rich cultural diversities.

The institute adorns a festive look to celebrate Pongal, the state festival of Telangana. Many competitions such as 'Rangoli' and 'kite festival' display the enthusiasm and teamwork of the faculty. Themes based on the role of agriculture are chosen for Rangoli competition. Many departments such as physical education and human resources department work in collaboration for the benefit of the institution and conduct various competitions for the faculties and students in the campus.

The institute takes extra efforts in providing an inclusive environment for all the students and employees. Tolerance and Harmony to cultural, regional, linguistic, communal socioeconomic and other diversities is best achieved by the major events like Holy, Dussehra, TechFest and Cultural Fest at Institute levels. Students have formed various clubs at the campus levels which also support and propagate the idea of diverse cultures.

TechFest and Cultural Fest are annual events where the Institute invites popular music singers with their teams to enthrall the students with rich cultural songs. Regional events are also celebrated at the institute especially Pongal celebrations, Bathukamma Festival, Dandiya Festival etc. Now the students have themselves started enacting the whole story behind the colourful festival of Holi. The colourful Holi is celebrated with Flowers on the campus.

Navarathri heralds the assembly of elaborate golu in the institute. New Year celebration brings in fun filled games and special food which amplifies the spirit of togetherness. Individual departments and committees perform Saraswathi Pooja /Ayudha Pooja in their respective laboratories invoking the blessings of the Almighty.

International Yoga day is being celebrated every year.

International commemorative days like world music day, international artist day, world poet day are conducted and marked by appropriate competitions. The students cultural programme has always themed of communal and inter-religious harmony.

Social connect with rural people residing in and around the institute is also encouraged respecting the cultural, communal, socioeconomic and linguistic values of locals.

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:

The course on “**CONSTITUTION OF INDIA (Audit Course)**” was introduced by the affiliating university JNTUH as a compulsory foundation course in I year in M.Tech for all branches of Engineering and Technology from the academic year 2019-20 and II year in B.Tech for all branches of Engineering and Technology from the academic year 2018-19. It should be treated as a Lab Subject (Student Centered).

Course Outcomes:

Students will be able to:

- Discuss the growth of the demand for civil rights in India for the bulk of Indians before the arrival of Gandhi in Indian politics.
- Discuss the intellectual origins of the framework of argument that informed the conceptualization of social reforms leading to revolution in India.
- Discuss the circumstances surrounding the foundation of the Congress Socialist Party [CSP] under the leadership of Jawaharlal Nehru and the eventual failure of the proposal of direct elections through adult suffrage in the Indian Constitution.
- Discuss the passage of the Hindu Code Bill of 1956.

The Institute takes pride in the fact that apart from preparing a sound academic foundation of the student community; the Institute constantly works upon to develop them as better citizens of the country. In this regard, the Institute, apart from imparting professional legal education, inculcates a feeling of oneness among the student community through various practices and programs. Various faculties have always been in the practice of organizing activities that not only initiate but also motivate the students to adopt various practices that promote the “Unity in Diversity” of our motherland. The Institute ensures that the students participate very enthusiastically in all such activities. Since the last five years, the Institute has strived forward with great effort to increase the level of awareness and appropriate practices amongst the students with regard to the following areas:

1. National Identities and Symbols: The Institute has always taken various direct and indirect steps which promote the awareness about various National Identities and Symbols. The Institute celebrates the

Independence Day & Republic Day with great pomp and vigour. The Faculty organizes and celebrates the Constitution Day on an annual basis and thus contributes to the spreading of Constitutional values and ideals.

2. Fundamental Duties and Rights of Indian Citizens: The Faculty has organized various academic and co-curricular activities for the propagation of the Fundamental Duties and Rights of the Indian citizens. The students have enthusiastically participated in various programs like:

- Academic programs like Seminar, Conferences, Expert talks, etc which have enriched the awareness about this aspects.
- Various activities like poster making competition, etc.
- Organizing Annual Competitions on various contemporary legal issues.
- Organizing various forms of legal aid and legal awareness camps to impart awareness of such issues.

3. Constitutional Obligations: The Institute has organized student centric activities like paper, poster & essay competition through Club Activities which have always received huge participation from the students and promoted their awareness about various aspects of Indian citizenship.

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: A. All 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:

Institution organizes every year various national and international commemorative days, events and festivals:

- National Youth Day- The birthday of Swami Vivekananda-12 January
- Republic day- 26thJanuary
- Science Day- 28thFebruary
- International Women's Day -8th March
- International Day of Yoga – 21st June
- Independence Day- 15th August
- Teachers Day - Sir Sarvepally Radhakrishnan's Birth Anniversary- 5thSeptember
- Engineers 'Day- Sir MokshagundamVisvesvaraya Birth Anniversary- 15thSeptember
- World Students' Day- APJ Abul Kalam Birth Anniversary- 15th October
- Bathukamma Festival-October during Dussehra recess
- National Education Day- Sri Maulana Abul Kalam Azad Birth Anniversary –11th November
- National Mathematics Day – Sri Srinivasa Ramanujan Birth Anniversary –22nd December

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

7.2 Best Practices

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

Response:

BEST PRACTICE – I

1. Title of the Practice:

College Student to Corporate Professional

2. Objectives of the Practice

The “College Student to Corporate Professional” sessions are organised for final year students to prepare them for industries and give awareness on corporate culture.

The session include:

- Attitude, Verbal and Nonverbal Skills
- Effective Communication Skills
- Group Discussion and Team Building Skills
- Technical Skills
- Practical Skills
- Project Skills
- Etiquette and Interview Skills

3. The Context

The institute believes that a motivated workforce (Staff and Students) can be a significant factor in institute’s success. When staff and students are motivated to work at higher levels of their skills and abilities, the institute as a whole runs more efficiently and is more effective at achieving its objectives and goals.

4. The Practice

- Attitude, Verbal and Nonverbal Skills

On line aptitude test through CoCubes of final year students is conducted at starting of 3rd year 2nd semester. After assessment diagnosis is prepared for various sections like: logical reasoning, mathematics and linguistics. This provides the idea about how to crack the non technical test in recruitment process.

- Effective Communication Skills

English is the dominant professional and business language and wide range of technological literature is available in it. So it is necessary to provide the support to the large number of engineering students who are

coming with vernacular language. Every year English professions test is take for the students and detail diagnosis is prepared for improvement. Students are guided for reading, listing speaking and writing skills. Institute encourages students to enroll for Spoken Tutorials conducted by IIT Bombay and Swayam-NPTEL courses.

- Group Discussion and Team Building Skills

Many skills like leadership, critical thinking, listening skills, confidence, capability to co-ordinate, Knowledge potential, Body language, presence of mind, reasoning ability etc are associated with Group Discussion (GD). And this is the reason why GD is included in recruitment process by many companies. A session on How to do Group discussion is organized by the placements department before recruitment begins.

- Technical Skills

To make the students job ready, certification programmes are organized by the departments by summer training/regular training and through Swayam-NPTEL, Internshala Trainings and Cognitive classes platforms. Students are also provided with aptitude training, Resume writing practice, mock test and mock interviews. The final year students undergo a technical training, conducted by industry personnel. BIET promotes Corporate Citizenship and bulk recruitment also. The Institute conducts technical exhibitions/festivals for grooming the students developing adaptability for technical talent / skill etc. of innovative nature.

- Practical Skills

For students practical skills have to be acquired through experience. They require the hands-on, problem solving activities that have traditionally been the domain of laboratory courses. Labs are where students get the opportunity to engage with real lab equipment, to analyze authentic data, to experience and observations are made. Training the students in various day to day appliances like Mobile Testing and Repair, Servicing of fan and tube light, Repair of laptop etc. where engineering concepts are involved.

- Project Skills

The Reformed Teaching Learning Process method provides a detailed learning to students and also reduces them to initiate a project on the basis of what they have learnt in the classroom. Moreover, the institute is very much particular for involving the students in multifarious project works. The institute makes exhibition of the projects done by the fourth year students to motivate and enhance the cult of engineering and science to first, second and third year students.

- Etiquette and Interview Skills

With a view to promote curriculum and extra-curriculum activities the Institute has various clubs operating like Technical Clubs, Cultural Clubs, Literary Clubs, Art Clubs and Sports & Games Clubs which go in a long way to boost the innovative and creative mind frame of our students.

5. Evidence of Success

- A unique mentoring process is followed wherein each faculty is allocated 20 students as a Mentor

with an objective to constantly follow student progress and accordingly suggest changes in case of any deviation.

- Motivation and support for students for appearing competitive exams and summer internship in industries, research Institute in India and abroad.

6. Problems Encountered and Resources Required

Attitude, Verbal and Nonverbal Skills, Effective Communication Skills, Group Discussion and Team Building Skills, Technical Skills, Practical Skills, Project Skills and Etiquette and Interview Skills are handled by aptitude trainer, English faculty, in-house faculty and industry experts through the Campus Recruitment Training (CRT) and placements department.

BEST PRACTICE – II

1. Title of the Practice:

MENTORING SYSTEM FOR STUDENTS

2. Objectives of the Practice

To minimize dropouts, improve performance and reduce stress of the students through personal counselling.

3. The Context

Students undergo various problems of stress- personal, academic, physical, mental. Engineering education is a time bound course with time limitations to complete your work especially during the first two years. Students are new to professional college life and the demands of education; create a lot of stress, especially to hostel students who are away from family for the first time. Also, in the economically weaker students and students from educationally weak background, this creates a lot of complex and do not perform well due to inhibitions. Statistics reveal increasing number of suicides and dropouts. Considering the student-teacher ratio in classrooms, it is impossible at times to give personal attention to students in class. One solution therefore is a 'Mentor' who can form the bond with students in the true sense. Mentoring is required for students to achieve emotional stability and to promote clarity in thinking and decision making for overall progress.

4. The Practice

The practice is that of creating an efficient mentor-ward system. Each teacher is assigned 15-20 students for the complete duration of their study. They meet at least once a week to discuss, clarify and primarily to share various problems which may be personal, domestic, academic, etc. The mentors encourage the students to participate in co-curricular and extra-curricular activities and sports. Their academic performance and other activities are all recorded. Students should inform their mentors on all their movements like their absence from college, sickness etc. The mentors also keep in touch with the parents on their attendance, test performance, fee payment, examinations etc. The teacher is equipped with all the necessary information about his/her wards on a file. The teacher involves local guardians and parents as well, whenever necessary for any advice or help. At the end of every month the mentors prepare a report of their mentees progress. The mentors also counsel the students in need of emotional problems. When the

students have any problem in any department either with the staff or with work completion the mentors speak with the respective staff and sorts out the problem. Mentors take special care of Slow learners, who are given advice on how to study, prepare a time table for study and clarify the doubts and also given notes to study. The mentors of every batch are advised by department admin and academic incharges. They will meet the mentors once a month and get the report of the progress and achievements of students and complaints of and by the students. These complaints are discussed with the Principal and necessary action taken to rectify the complaints.

5. Evidence of Success

It is needless to say that a mentor gets the job satisfaction. Evidence of success of the practice includes university ranks, better results in the examinations, more regular attendance, less drop outs, increased participation in co-curricular and extra-curricular activities, better discipline on campus and respectful relationship between teachers and students. The students are more relaxed and have a healthy relationship with the staffs.

6. Problems Encountered and Resources Required

This practice requires well-committed teaching staff that has the desire to help students beyond teaching hours. There are no limitations or constraints faced during implementing the program.

File Description	Document
Link for Best practices in the Institutional web site	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:

Distinctive Feature: Holistic professional development through BIET Clubs

The main objectives of holistic education are learning about oneself, developing healthy relationships and positive social behaviors, social and emotional development, resilience, and the ability to view beauty, experience transcendence, and truth. Holistic education notes that students need to not only develop academically but develop the ability to survive in the modern world. They need to be able to rise and face the challenges presented to them in the future and contribute to the world in which they live. Students need to learn to first value themselves, their worth, and recognize their abilities and how to be able to do what they want in life.

With this perspective of sensitizing them to the needs of the society, we have established 25 clubs into five categories including technical, non-technical and social clubs during the first year to final year of every UG programme offered in the institute. The technical clubs are liable for forming Self Interest Groups later in

the departments and the non-technical clubs both cultural and social, help in grooming the students as socially responsible citizens. Clubs offer a fun means of developing and honing leadership skills and the ability to work collaboratively. Club activities to engage in a rich variety of opportunities to distinguish one-self while enjoying the communion of fellow students who share the same passion and interests. These clubs function on every working day in the afternoon sessions at 3:10 pm.

S.No	Name of the Club	Categories
I	Cultural Clubs	Singing Club
		Musical Instruments Club
		Drama /Mono action/Skit Club
		Mime/Mimicry Club
		Dance Club: a)Classical Dance & b)Western Dance
II	Literary Clubs	Debate Club
		Orators / Toastmasters Club
		Quiz Club
		Poetry Club
III	Art Clubs	Painting Club
		Photography Club
		Rangoli/Mehandi
		Pottery Club
IV	Sports & Games Clubs	Basket Ball Club
		Throw Ball Club
		Tennis Club
		Chess Club
		Table Tennis Club
		Volley Ball Club
		Foot ball Club
		Cricket Club
V	Technical Clubs	Robotics Club
		Mathematics Club
		Physics Club
		Any other related to your department

The objectives and recent activities are available on the college website and a link to the website is provided below.

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

5. CONCLUSION

Additional Information :

Action taken on the following categories for improving academic activities:

- Education and Placement of Students: Rigorous training for student placements.
- Qualified Senior Teachers and Heads of Departments: Faculty strength has been augmented with full time senior and adjunct faculty.
- Increase collaborative linkages with other corporate/ institutes for teaching and research.
- Strengthen formal feedback from students for quality improvement and analytic evaluation of teachers for improvement in quality of teaching.
- Promotion of research projects from funding agencies be given better attention.
- Counselling cell to be strengthened: counselling services available on campus
- Research Publications in indexed journals needs to be increased and incentivized

Concluding Remarks :

Bharat Institute of Engineering and Technology is the outcome of meticulous planning, clear vision and concepts, conceived and nurtured by an internationally renowned educational society, committed to excellence in academics, research and governance, with its greatest strength in the cadre of men and women devoted to excellence in every process and undertaking. A detailed analysis of the criteria that are the concomitants of an institution of excellence is given in the Self Study Reports of the Institute and its Departments uploaded on the NAAC website.