

ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2016-2017

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Nagarbhavi, Bangalore - 560 072 India

Submitted by



BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUH, Hyderabad)
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy (Dist.),
Telangana-501510.

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www.biet.ac.in

The Annual Quality Assurance Report (AQAR) of the IQAC

AQAR for the year

2016-2017

Part – A

1. Details of the Institution

1.1 Name of the Institution

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

1.2 Address Line 1

Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy (District)

City/Town

HYDERABAD

State

TELANGANA

Pin Code

501510

Institution e-mail address

principal@biet.ac.in

Name of the Head of the Institution:

Dr. E. Venkat Reddy

Tel. No. with STD Code:

08414-252313

Mobile:

9640909047

Name of the IQAC Co-ordinator:

Dr. R. Madana Mohana

Mobile:

9440793154

IQAC e-mail address:

principal.biet.hyd@gmail.com

1.3 NAAC Track ID (For ex. MHC0GN 18879)

TSC0GN100139

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

1.5 Website address:

www.biet.ac.in

Web-link of the AQAR:

To be added

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	----	----	----	----
2	2 nd Cycle	----	----	----	----
3	3 rd Cycle	----	----	----	----
4	4 th Cycle	----	----	----	----

1.7 Date of Establishment of IQAC: DD/MM/YYYY

29th September 2014

**1.8 AQAR for the year (for example 2010-11)
2016-17**

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011))

- i. AQAR (DD/MM/YYYY)-----NA
- ii. AQAR (DD/MM/YYYY) -----NA
- iii. AQAR (DD/MM/YYYY) -----NA
- iv. AQAR (DD/MM/YYYY) -----NA

1.10 Institutional Status

University State ☒ Central ☐ Deemed ☐ Private ☐

Affiliated College Yes ☒ No ☐

Constituent College Yes ☐ No ☒

Autonomous college of UGC Yes ☐ No ☒

Regulatory Agency approved Institution Yes ☒ No ☐

(eg. **AICTE**, ~~BCI~~, ~~MCI~~, ~~PCI~~, ~~NCI~~)

Type of Institution Co-education ☒ Men ☐ Women ☐
Urban ☐ Rural ☒ Tribal ☐

Financial Status Grant-in-aid ☐ UGC 2(f) ☐ UGC 12B ☐

Grant-in-aid + Self Financing ☐ Totally Self-financing ☒

1.11 Type of Faculty/Programme

Arts ☐ Science ☐ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☒ Health Science ☐ Management ☐

Others (Specify)

1.12 Name of the Affiliating University (*for the Colleges*)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

NO

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

10

2.2 No. of Administrative/Technical staff

01

2.3 No. of students

01

2.4 No. of Management representatives

01

2.5 No. of Alumni

01

2.6 No. of any other stakeholder and
community representatives

01

2.7 No. of Employers/ Industrialists

01

2.8 No. of other External Experts

2.9 Total No. of members

16

2.10 No. of IQAC meetings held

2

2.11 No. of meetings with various stakeholders: No.

2

Faculty

2

Non-Teaching Staff Students

2

Alumni

2

Others

2.12 Has IQAC received any funding from UGC during the year? Yes

☐

No

☒

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.

08

International

--

National

-

State

02

Institution Level

06

(ii) Themes

Quality practices in Teaching-Learning and Research

2.14 Significant Activities and contributions made by IQAC

1. Monitoring the submission of quality research proposals for grants to different funding agencies
2. Facilitating Placement Training and assessment by external agencies for improved placement potential among students.
3. Designing of value added programs.
4. Performing Academic audits in all the departments.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year.

Plan of Action	Achievements
To apply for NBA Accreditation	Four departments have completed filling of NBA Tier-II SAR Application.
To offer Value added course	Certification programs through NPTEL were conducted on latest technologies for the benefit of the students.
To improve co curricular activities	Workshops, conferences ,industrial visits, soft skill development programmes, communication skill development programmes organized regularly
Submission of research proposal to various external funding agencies	Various research proposals were submitted to AICTE & DST- SERB
To Monitor Teaching Learning process	Academic audit is done at the middle and end of the every semester.
To Encourage R&D and Consultancy, Establishing advanced/research labs/centres, setting up new experiments on latest technologies.	Well established advanced research labs are available to encourage R&D activities in the departments.
Conduct faculty development programs on emerging technologies.	Faculty development Programs, workshops, seminars and conferences were organized.
Communication with parents	Letters with particulars of Percentage of attendance, Mid-Exam marks, and backlogs have been sent. Percentage of student attendance is improved.
National Conference	National Conference (ITBCMS-2K16), 16-17 Dec 2016 at BIET is intimated by the dept. of CSE/IT
Online Certification Courses	• BIET is recognized as NPTEL Local chapter • Faculty members and students have utilized various NPTEL videos and web courses.
Developing framework for NAAC related bench marks	NAAC bench marks have been shortlisted and a framework for the same has been designed.
Developing documentation standards	Documentations standard for monthly report has been developed.
To improve Cultural Activities	Various Club Activities effectively functioned
Faculty Performance Index(FPI)	Faculty performance has been improved

2.15 Whether the AQAR was placed in statutory body **Yes / No**

Management ☐ Syndicate ☐ Any other body ☐

Provide the details of the action taken

The Governing Body approved the AQAR for the year 2016-17 for submitting it to NAAC.

CRITERION – I

1. CURRICULAR ASPECTS

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	----	-----	-----	-----
PG	9	-----	9	-----
UG	6	-----	6	----
PG Diploma	-----	----	-----	-----
Advanced Diploma	-----	-----	-----	-----
Diploma	-----	-----	-----	-----
Certificate	8	8	8	8
Others	-----	-----	-----	-----
Total	23	8	23	8
Interdisciplinary	----	-----	-----	-----
Innovative	-----	-----	-----	-----

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options---**CBCS (INTRODUCED BY JNTUH WITH R-16 REGULAION) AND ELECTIVE**

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	15
Trimester	-----
Annual	-----

1.3 Feedback from stakeholders* Alumni ☒ Parents ☒ Employers ☒ Students ☒
(On all aspects)

Mode of feedback : Online ☒ Manual ☒ Co-operating schools (for PEI) ☐

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Syllabus is changed by JNTUH (university) as R-16 regulations as Choice Based Credit System

1.5 Any new Department/Centre introduced during the year. If yes, give details.

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CRITERION – II

2. TEACHING, LEARNING AND EVALUATION

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	333	282	34	17	--

2.2 No. of permanent faculty with Ph.D.	36
---	----

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	1	1	1	1	3	3	0	0	5	5

2.4 No. of Guest and Visiting faculty and Temporary faculty	--	--	--
---	----	----	----

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	10	40	
Presented papers	16	38	--
Resource Persons	--	--	--

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Use of Various instructional methods and pedagogical initiatives:

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.

SMART class Room:

Faculties are using SMART class room to interactive session. Projector is used for demonstration, video (NPTEL), audio of classes.

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.

2.7 Total No. of actual teaching days during this academic year

180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

As affiliated to the university (JNTUH) the Conduction of Exam is by the University.
In the Institute the following are the reforms:

- ❖ Recounting, Revaluation and personal identification
- ❖ Question papers based on blooms taxonomy
- ❖ Add-on formative assessments

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

04

2.10 Average percentage of attendance of students

84 %

2.11 Course/Programme wise distribution of pass percentage: 2016-2017 Passout

Title of the Programme	Total no. of students appeared	Total no. of students Passes	Pass %	Division		
				Distinction %	I %	II %
CSE	135	106	78.51	12	71	23
ECE	138	123	89.13	25	87	11
MECH	97	68	70.10	7	33	25
EEE	127	88	69.29	9	54	25
CIVIL	75	52	69.33	6	33	13

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

Contribution:

- ❖ Through Academic Audit Cell Monthly reviewing the syllabus coverage, feedback collection, action taken and CRs Meeting etc will be conducted.
- ❖ Proposing new methods of teaching and learning such as Flip and MOOC.

Monitoring: Ensuring compliance of teaching learning process compliance with academic calendar

Evaluation: Performance of faculty through Faculty performance appraisal and development system and measurement of student learning outcomes through Rubrics established for measurement of attainment levels of course outcomes, Program outcomes, program specific outcomes

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	60
UGC – Faculty Improvement Programme	---
HRD Programmes	---
Orientation Programmes	70
Faculty exchange Programme	----
Staff training conducted by the university	--
Staff training conducted by other institutions	120
Summer / Winter schools, Workshops, etc.	170
Others	60

2.14 Details of Administrative and Technical staff (2016-17)

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	38	0	0	0
Technical Staff	18	0	0	0

CRITERION- III

3. RESEARCH, CONSULTANCY AND EXTENSION

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- a) Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution;
- b) Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- c) Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes;
- d) Dissemination of information on various quality parameters of higher education;
- e) Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- f) Documentation of the various programmes/activities leading to quality improvement;
- g) Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;
- h) Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	-
Outlay in Rs. Lakhs	-	6.91 Lakhs	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	NIL	NIL	NIL
Outlay in Rs. Lakhs	NIL	NIL	NIL	NIL

3.4 Details on research publications

	International	National	Others
Peer Review Journals	11	-	-
Non-Peer Review Journals	20	-	-
e-Journals	31	-	-
Conference proceedings	16	38	-

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2016-17	AICTE FDP	6,91,000	3,45,500
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	6,91,000	3,45,500

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP	-	CAS	-	DST-FIST	-
DPE	-			DBT Scheme/funds	-
	-		-		-

3.9 For colleges

Autonomy		CPE		DBT Star Scheme	
INSPIRE	-	CE	-	Any Other (specify)	1

3.10 Revenue generated through consultancy NIL

3.11 No. of conferences Organized by the Institution	Level	International	National	State	University	College
	Number	-	2	-	-	-
	Sponsoring agencies	-	-	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons 6

3.13 No. of collaborations International 2 National 6 Any other 2

3.14 No. of linkages created during this year 3

3.15 Total budget for research for current year in lakhs:

From funding agency	3, 45,500	From Management of University/College	4, 50, 000
Total	7, 9, 55, 00		

3.16 No. of patents received this year	Type of Patent		Number
	National	Applied	-
		Granted	-
	International	Applied	-
		Granted	-
	Commercialised	Applied	-
		Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist	College
-	-	-	-	-	-	-

3.18 No. of faculty from the Institution who are Ph. D. Guides 8
and students registered under them 7

3.19 No. of Ph.D. awarded by faculty from the Institution 7

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF	-	SRF	-	Project Fellows	-	Any other	-
-----	---	-----	---	-----------------	---	-----------	---

3.21 No. of students Participated in NSS events:

University level	60	State level	10
National level	-	International level	-

3.22 No. of students participated in NCC events:

University level	6	State level	-
National level	-	International level	-

3.23 No. of Awards won in NSS:

University level	-	State level	-
National level	-	International level	-

3.24 No. of Awards won in NCC:

University level	-	State level	-
National level	-	International level	-

3.25 No. of Extension activities organized

University forum	-	College forum	-
NCC	-	NSS	7
		Any other	-

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

NSS activities:

S. No.	Date	Event	Organized at
1.	29 December, 2016	CSI DIGITAL LIFE AWARENESS PROGRAM ON CASHLESS TRANSACTIONS	BIET Campus (BIET CSI STUDENT BRANCH)
2.	2 nd October, 2016	Dealing with Fatal Electrical Accidents in Telangana (D-FEAT)	Federation of Telangana and Andhra Pradesh Chambers of Commerce and Industry (FTAPCCI), Hyderabad (BIET IEEE STUDENT BRANCH)
3.	19 th September, 2016	Earthquake Engineering and Advancements	CIVIL Department, BIET
4.	12 th November, 2016	Electrical Safety Awareness Program to Farmers	Parigi Village, Ranga Reddy Dt. (BIET IEEE STUDENT BRANCH)
5.	22 & 23 October, 2016	Overhead Safety Lines Protection to Farmers.	IEEE Office, Hyderabad (BIET IEEE STUDENT BRANCH)
6.	16 th October, 2016	Indian Police Martyrs Memorial Run (IPMMR)	Necklace Road, Hyderabad (BIET IEEE STUDENT BRANCH)
7.	6 th October, 2016	Plantation Drive	Railway Electric Locoshed, Lalaguda, Secunderabad (BIET IEEE STUDENT BRANCH)

CRITERION – IV

4. INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	25.07 Acers	-	-	25.07 acres
Class rooms	66	-	-	66
Laboratories	50	-	-	50
Seminar Halls	4	-	-	4
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.	10	--	-	10
Value of the equipment purchased during the year (Rs. in Lakhs)	24,75,522	---	-	24,75,522
Others	-	-	-	-

4.2 Computerization of administration and library

Automation as http://10.80.2.44/ecap/default.aspx
Library is automated by Koha Software

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (Rs.)	No.	Value (Rs.)	No.	Value (Rs.)
Text Books & Reference Books	60991	16324220	2909	658562	63900	16982782
e-Books	--	--	--	--	--	--
Journals	107	272935	210	539283	317	812218
e-Journals	8425	367500	2778	110000	11203	487500
Digital Database	DELNET	DELNET	DELNET	DELNET	DELNET	DELNET
CD & Video	4593	--	--	--	4593	--
Others (specify)	KOHA (Library Software)					

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	824	0	64Mbps	---	-----	6	80	-----
Added	100	-----	--	-----	-----	10	70	20
Total	924	-----	64Mbps	-----	-----	16	150	20

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

Computers: 924
e-Journals (DELNET): 11203
NPTEL are provided for faculty and students.

4.6 Amount spent on maintenance in lakhs:

i) ICT	6, 73,663
ii) Campus Infrastructure and facilities	3, 59, 46,455
iii) Equipments	24, 75,522
iv) Others	19, 52,146
Total:	4, 10, 47,786

CRITERION-V

5. STUDENT SUPPORT AND PROGRESSION

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The IQAC regularly in its meetings plan and review the quality of services offered in

- ❖ Orientation Program to I Year Students is conducted regularly to create awareness among students about existing facilities and practices of the college
- ❖ Effective Alumni Connect for students
- ❖ Mentor-Mentee System for mentoring academic performance and career oriented counselling of its students.

5.2 Efforts made by the institution for tracking the progression

The Institution monitors the progression of students through

- ❖ Diagnostic tests are conducted every semester to facilitate teachers estimate student's knowledge on pre-requisites.
- ❖ Formative Tests are conducted for continuous monitoring of student progression
- ❖ Remedial and Bridge classes are conducted every semester to improve learning outcomes among slow learners.
- ❖ Day-to-day evaluation strictly followed in laboratories.
- ❖ Advanced learners are encouraged to take up new and on-demand courses beyond curriculum and also to pursue higher education.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2549	313	-	-

(b) No. of students outside the state

4

(c) No. of international students

--

	No	%		No	%
Men	1974	68.97	Women	888	31.03

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
394	88	56	379	0	917	331	74	47	379	-	831

Demand ratio

Dropout% Nil

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- ❖ NPTEL videos are available in Central Library for advanced learning.
- ❖ Student Competence Centre is under consideration to facilitate preparedness towards different competitive examinations.

No. of students beneficiaries

120

5.5 No. of students qualified in these examinations

NET		SET/SLET		GATE	7	CAT	
IAS/IPS etc		State PSC	4	UPSC		Others	66

5.6 Details of student counselling and career guidance

The mentor-mentee system facilitates the counselling of all the students in academic and personal issues. Also teacher provide career guidance during counselling.

No. of students benefitted

233

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
13	574	210	37

5.8 Details of gender sensitization programmes

JNTUH curriculum of R-15 & R-16 regulation has Gender Sensitization subject in their II year and English Faculty members will handled this subject.

- Guest Lecture on “Women as successful manager”, organized in B I E T Auditorium on 2- 12- 2016. 70 Female and 220 Male members attended the Guest Lecture.
- Participants of Women’s Day on 8-3- 2017, organized in B I E T Auditorium. 43 Female and 242 male members attended the Guest Lecture.

Women Grievance Cell will handle sensitive issues at day-to-day work.

<http://biet.ac.in/women-grievance-cell.php>

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	50	16,98,500
Financial support from government	2072	8,05,34,600
Financial support from other sources	--	--
Number of students who received International/ National recognitions	--	--

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

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CRITERION – VI

6. GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 State the Vision and Mission of the institution

Vision:

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

Mission:

Our mission is to impart 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.

6.2 Does the Institution has a management Information System

Yes, our Institution has Management Information System

<http://10.80.2.44/ecap/default.aspx>

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

As the Institution is affiliated to JNTUH Curriculum is designed by the university. Beyond Curriculum at the Institution level is implementing every semester/year through Career Guidance and Training Cell.

6.3.2 Teaching and Learning

- Every year Faculty and students enrolling in NPTEL Online certification courses and getting certificates from IITs.
- Every summer conducting Summer Training and Internship programme at Institute level and encouraging students to enroll in AICTE-INTERNSHALA Programme.
- Every year during summer III Year B.Tech students going for INTERNSHIP at various Public Sector Industries to carry out their MINI PROJECTS.
- Through TASK (Telangana Academy for Skill and Knowledge) Programme every year CERTIFICATION Courses and Workshops are organizing by Placements Cell.
- Institute has MOU with SAP. Through this MOU every year SAP Training is organizing by Placements with SAP Professional Trainers.

6.3.3 Examination and Evaluation

- ❖ Continuous evaluation
- ❖ Assignments
- ❖ Internal evaluation
- ❖ Mock Tests
- ❖ Slip Tests

6.3.4 Research and Development

- ❖ Planning for the establishment of research centres sponsored by the institute in the thrust areas of the departments.
- ❖ New Research clusters involving students at UG and PG level.
- ❖ Research incentives and awards to members of faculty for publishing in reputed and high impact factor journals
- ❖ Conducting research meetings on weekly basis to facilitate inter-disciplinary research.
- ❖ Members of faculty mentoring students to transform innovative ideas into products.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- ❖ The library has stacked 63900 volumes, 11203 online journals, and 317 print journals.
- ❖ Students are also given facility to access Open Source Online Video Lectures in NPTEL.
- ❖ The institute is also a member of DELNET.
- ❖ The college has membership with Computer Society of India (CSI); Institution of Engineers (IE); Indian Society for Technical Education (ISTE); Association of Computing Machinery (ACM).
- ❖ The library is using Integrated Open Source Software – KOHA for check-in and check-out transactions.
- ❖ Digital Library is installed with 30 systems.

6.3.6 Human Resource Management

- ❖ The faculty and staff requirements are assessed based on the workload as per the AICTE norms.
- ❖ Before commencement of every academic year the faculty and staff requirements are assessed and the vacancies are advertised in leading dailies besides placing the same in the Institution's website. Duly constituted selection committees recruit the faculty and staff.
- ❖ A self-devised faculty-Self appraisal system is followed to mentor and monitor faculty competence.

6.3.7 Faculty and Staff Recruitment

- During recruitment process majority of the applicants are considered by giving due priority to reputed institutions.
- Recruiting research competent faculty during recruitment
- Involvement of External experts during personal interviews in recruitment process to ensure transparency.

6.3.8 Industry Interaction/Collaborations

The below are the Industry MOUs in the current year

S. No	Organization with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MoU year wise
1	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	FACE – Focus Academy for Career Enhancement	2017	1 year	CAMPUS RECRUITMENT TRAINING
2	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	NPTEL Local Chapter, IIT Madras	2017	1 year	Online Courses and Certification exam
3	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	SAP EDUCATION PARTNER	2017	5 years	SAP Training to Students and Faculty
4	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	Webpros Solutions Pvt. Ltd – ECAP	2017	1 year	College Automation Package
5	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	Central Institute of Plastics Engineering & Technology CIPET	2016	One and half years from the date of signing	Major Minor Projects, Internship, Softwares training
6	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	COCUBES	2016	1 YEAR	Placements Assessment
7	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	Department of Mechanical Systems Engineering, Kumamoto University, Japan	2016	1 year	Research & Development, Conference, Workshop, Guest lecture
8	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	GLOBARENA	2016	1 year	CAMPUS RECRUITMENT TRAINING
9	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	National Small Industries Corporation (NSIC)	2016	1 year	Internship, Training, Projects
10	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	Peepal Renewables India Pvt. Ltd	2016	2 years	Academic activities, Workshops
11	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	REFERNCE GLOBE	2016	1 year	Placements Training & Recruitment
12	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	Reliance Industries Limited	2016	1 year	EEE Power Sector
13	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	Renewables India Private Limited Company Hyderabad	2016	1 year	EEE Power Sector
14	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	SAP EDUCATION PARTNER	2016	5 years	SAP Training to Students and Faculty
15	BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET)	TASK	2016	1 year	Placements Training & Recruitment

6.3.9 Admission of Students

Admission to B.Tech Courses:

Admissions to the College are made along with the other Engineering Colleges in the State through a common entrance test (EAMCET) conducted by the Govt. of Telangana.

- 70 % of the seats are allotted based on the merit in the Engineering and Medical Common Entrance Test (EAMCET) conducted by Govt. of Telangana.
- 30 % of the seats are earmarked for Management / NRI candidates. In addition to the above, Diploma holders are admitted in second year of B.Tech to the extent of 20% of intake based on the merit in the Engineering Common Entrance Test (ECET), under lateral entry scheme conducted by Govt. of Telangana.

Admission to M.Tech Courses:

The minimum qualification for admission to first year of the M.Tech course is a pass in the B.Tech. / B.E. conducted by any University or any other examination recognized as equivalent. Admissions to the College are made along with the other Engineering Colleges in the state through a common entrance test (PGECET/GATE).

Admission to MBA Course:

The minimum qualification for admission to first year of the MBA course is a pass in Degree (B.Sc./B.Com./BCA) conducted by any University or any other examination recognized as equivalent. Admissions to the College are made along with the other Engineering Colleges in the state through a common entrance test (ICET).

- 70% of the seats are allotted based on the merit in the Integrated Common Entrance Test (ICET) conducted by Govt. of Telangana.
- 30% of the seats are earmarked for Management / NRI candidates.

6.4 Welfare schemes for

Teaching	• Free transport for employee of BIET. • R&D Incentives • Academic Leaves • Medical Leaves
Non teaching	• ESI Health Scheme • EPF Facility • Concessional Transport
Students	• Student Welfare Fund for fee waivers and concession. • Management Fee concessions on deserved cases • Conduct of student initiated techno-cultural events at institute level

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done

Yes

☒

No

☐

6.7 Whether Academic and Administrative Audit (AAA) have been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	N	--	Y	• IQAC-Academic Audit Cell • Chairman of the Institute
Administrative	N	--	Y	• IQAC-Admin Audit Cell • Chairman of the Institute

6.8. Does the University/ Autonomous College declare results within 30 days?

For UG Programmes Yes ☐ No ☐

For PG Programmes Yes ☐ No ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Re- Counting
- Re-Evaluation
- Grading System

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not Applicable

6.11 Activities and support from the Alumni Association

- Conduction of Alumni Meet once in a year.
- Collecting the Feedback and Implementing for the current years.
- Arranging Interaction sessions to junior students.

6.12 Activities and support from the Parent – Teacher Association

- Every Year as per JNTUH Academic Calendar Parent-Teacher Meeting is organizing.

Parents Communication Register (PCR):

- Every day faculty handling 1st & 2nd hour classes should prepare the list of absent students and provide it to the Class I/C immediately after their class. Similarly, faculty handling 5th hour i.e, 1st hour after lunch break, should prepare the list of absents and provide it to the Class I/C immediately after their class.
- Class I/C with the help of Mentors should ensure that parents of the absent students are informed through Phone Call, SMS and Email and the communication details should be recorded in the Parents Communication Register (PCR) by 12:15 pm. Similarly, in afternoon session by 3:20 pm.
- Any student who is having more than 2 backlogs, parent should be called for giving an Undertaking about student's academic improvement as well as regularity in regular and remedial classes. parents must ensure that their ward attends all the REMEDIAL CLASSES without missing a single class get the benefit of it.
- Parents should contact the Mentor after 4 weeks of semester commencement, enquire about their ward's performance in the Mock Tests and if their student is weak in any subject and recommended for the BRIDGE CLASSES, ensure that their ward attends all the BRIDGE CLASSES without missing a single class.

6.13 Development programmes for support staff

- Conducting Skill Development Program for the Supporting Staff.
- Invocation and Induction programmes for all teaching and supporting staff
- Teaching faculty providing training to supporting staff in the laboratory for carrying the experiments.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Rain water harvesting by providing sinks in various places on the campus.
- Green campus
- Tree plantation

CRITERION – VII

7. INNOVATIONS AND BEST PRACTICES

7.1 Innovations introduced during this academic year which have created a positive impact on the Functioning of the institution. Give details.

- Initiative towards establishment of new research labs/ centres in the thrust areas of the institution
- Monitoring Research activities at institute level through research committee

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the Beginning of the year

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7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

BEST PRACTICE-1

Title of the Practice: Skill Development for Enhancing Employability and to promote Entrepreneur Eco-system.

Goals:

- Enhance quantitative and aptitude ability of the students.
- Improve their ability to express their views and ideas without any fear.
- Help them to enhance their analytical and logic building ability, there by programming becomes a habit.
- Ensure that they use good vocabulary so that communicating with international clients will not be a problem.
- Inculcate self-learning as part of their routine learning activity
- Involving students in entrepreneurial activities.

Context:

- A decade ago recruiting companies gave a feedback that students were technically good but need to be trained for (communication) soft skills. That motivated us to go in for a plan of action and started organizing training programs for soft skills.
- Couple of years ago on interaction with recruiters we came to understand that students need to be introduced to recent technologies, as they are not part of curriculum. Hence by collaborating with various industries we have formed Centre of Excellences for different technologies.
- Last year companies stated that graduate engineers are expected to be productive from day one and whatever may be the stream of study, the students are expected to possess good programming ability.
- Due to the global scenario, it is essential to produce job providers than job seekers.

The practice:

- During their First year of study all students are given an orientation program to make them understand what engineering is all about.

- They are being introduced to various essential life skills that need to be possessed by an engineer. Students are given detailed introduction to the scope and opportunities available for their field of specialization.
- Motivational programs are conducted to ignite their thinking ability. They are also exposed to a workshop on creative thinking which is essential for any individual to innovate. Both written and oral communication skill development trainings are scheduled and conducted to all our students.
- During the second year, Additional training is provided to ensure that their analytical ability and reasoning ability are enhanced. They are motivated to participate in national level competitions conducted by various agencies and industries (like AICTE, NASSCOM, Texas Instruments, IBM) to showcase and enhance their technical skills.
- During their third year of study students are trained to enhance their problem-solving ability.
- All students are mandatorily trained on enhancing their programming skills as all engineering graduates are expected to be computer literate.
- During the third-year students are provided with various opportunities to enhance their domain knowledge and also enhance their presentation and communication skills.
- Various centers of Excellence (COE) are set up to impart training on a specific domain. With the help of industry experts, we form core committees which will decide and frame the syllabus to be delivered as part of training through a COE. Faculty members are trained by industry experts who would subsequently train the students. In certain cases, industry experts, themselves train the students.

Evidence of Success:

- During the academic year 2016, 2015 and 2014 we had a placement record of 75% to 77%..
- For the past three years, after practicing the model of Centre of Excellence training we have seen our placement % improving from 75 to 77

Problems Encountered & Resources Required:

- Making the students realize the importance of the training being imparted and make them participate with full involvement has been a problem in the beginning. As they see the fruits reaped by their seniors now most of the students are showing interest to become a member in any one of the Centre of Excellence.
- Trainers for many of the training programs are acquired through reputed training institutes. For technical training faculty members in our college are trained to deliver the content to our students.
- We have created the laboratories that are needed to train the students on various domains being covered by different centre's of excellences.

BEST PRACTICE - 2

Title of the Practice: Green Practice and Environment Friendly Campus

Goal: To Create A Pleasant And Environment Friendly Campus.

Context : Not only giving education but also providing pleasant environment is also an important thing in learning process and eco friendly environment make the student healthy both mentally and physically and helps to concentrate on learning process. There is no other environment which is as pleasant as eco friendly environment, which motivated us to get into action.

The practice: Plantation program is going on for last 4 years; lawns are maintained beautifully in the campus. Gardeners come to college even in holidays. Pollution check of vehicles is

done every six months. To water the lawns water sprinklers are used to avoid wastage of water.

Evidence of success:

- The institute campus has become a pollution free and eco friendly with a pleasant environment with a lot number of trees and beautiful lawns.
- Students are happy preparing for their future responsibilities as citizens of this country in the salubrious garden-like environment of BIET.

Problems encountered & resources required:

- Due to the type of the sand, some plants (particularly some croton plants) may not grow, in the early days of the plantation such type of plants need more care from gardeners till comfortable with the sand.
- The lawns will not grow continuously, leaving some patches in the middle and gardeners have to work a lot to make the lawn continuous without dry patches and greener.

7.4 Contribution to environmental awareness / protection

NSS activities on tree plantations

7.5 Whether environmental audit was conducted? Yes

☐

No

☒

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Gold Medals. (2016 passed out Batch)

S. No.	Donor	Gold Medal Winner	Roll No.	Percentage
1.	BIET Management	Nagabandi Venneela	12E11A0561	81.04
2.		Harshitha Rao E	12E11A0462	81.46
3.		Azmeera Surya	12E11A0217	78.63
4.		V Susendeep	12E11A0348	78.8
5.		Pedhagolla Akhila Suvartchala	12E11A0105	75.89
6.		Aishwaria Mehra	12E11A1201	78.11

Graduation Day



8. Plans of institution for next year

Action taken on the following categories for improving academic activities:

- Institutional Participation in NIRF ranking.
- Provide more placement opportunities for its students
- Creating amiable environment for start-ups in the institution.
- Encourage students for internships, which fosters employability.

Dr. R. MADANA MOHANA

Coordinator, IQAC

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Signature of the Coordinator, IQAC

Dr. E. VENKAT REDDY

Chairperson, IQAC

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Signature of the Chairperson, IQAC
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