

*Guidelines for the Creation of the*  
**Internal Quality Assurance Cell (IQAC)**  
**and Submission of Annual Quality Assurance**  
**Report (AQAR) in Accredited Institutions**  
*(Revised in October 2013)*



**राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्**

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

*An Autonomous Institution of the University Grants Commission*

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

# NAAC

## **VISION**

*To make quality the defining element of higher education in India through a combination of self and external quality evaluation, promotion and sustenance initiatives.*

## **MISSION**

- ☞ To arrange for periodic assessment and accreditation of institutions of higher education or units thereof, or specific academic programmes or projects;*
- ☞ To stimulate the academic environment for promotion of quality of teaching-learning and research in higher education institutions;*
- ☞ To encourage self-evaluation, accountability, autonomy and innovations in higher education;*
- ☞ To undertake quality-related research studies, consultancy and training programmes, and*
- ☞ To collaborate with other stakeholders of higher education for quality evaluation, promotion and sustenance.*

## **Value Framework**

To promote the following core values among the HEIs of the country:

- Contributing to National Development*
- Fostering Global Competencies among Students*
- Inculcating a Value System among Students*
- Promoting the Use of Technology*
- Quest for Excellence*

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# **Guidelines for the Creation of the Internal Quality Assurance Cell (IQAC) and Submission of Annual Quality Assurance Report (AQAR) in Accredited Institutions**

## **Introduction**

In pursuance of its Action Plan for performance evaluation, assessment and accreditation and quality up-gradation of institutions of higher education, the National Assessment and Accreditation Council (NAAC), Bangalore proposes that every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a post-accreditation quality sustenance measure. Since quality enhancement is a continuous process, the IQAC will become a part of the institution's system and work towards realisation of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions. For this, during the post-accreditation period, it will channelize all efforts and measures of the institution towards promoting its holistic academic excellence.

The guidelines provided in the following pages will guide and facilitate the institution in the creation and operation of the Internal Quality Assurance Cell (IQAC). The work of the IQAC is the first step towards internalization and institutionalization of quality enhancement initiatives. Its success depends upon the sense of belongingness and participation it can inculcate in all the constituents of the institution. It will not be yet another hierarchical structure or a record-keeping exercise in the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It has the potential to become a vehicle for ushering in quality enhancement by working out planned interventionist strategies to remove deficiencies and enhance quality like the "Quality Circles" in industries.

## **Objective**

*The primary aim of IQAC is*

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

## **Strategies**

*IQAC shall evolve mechanisms and procedures for*

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks;
- b) The relevance and quality of academic and research programmes;

- c) Equitable access to and affordability of academic programmes for various sections of society;
- d) Optimization and integration of modern methods of teaching and learning;
- e) The credibility of evaluation procedures;
- f) Ensuring the adequacy, maintenance and proper allocation of support structure and services;
- g) Sharing of research findings and networking with other institutions in India and abroad.

## **Functions**

*Some of the functions expected of the IQAC are:*

- 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;
- i) Development of Quality Culture in the institution;
- j) Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC.

## **Benefits**

*IQAC will facilitate / contribute*

- a) Ensure heightened level of clarity and focus in institutional functioning towards quality enhancement;
- b) Ensure internalization of the quality culture;
- b) Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices;
- c) Provide a sound basis for decision-making to improve institutional functioning;
- d) Act as a dynamic system for quality changes in HEIs;

- e) Build an organised methodology of documentation and internal communication.

### **Composition of the IQAC**

IQAC may be constituted in every institution under the Chairmanship of the Head of the institution with heads of important academic and administrative units and a few teachers and a few distinguished educationists and representatives of local management and stakeholders.

The composition of the IQAC may be as follows:

1. Chairperson: Head of the Institution
2. A few senior administrative officers
3. Three to eight teachers
4. One member from the Management
5. One/two nominees from local society, Students and Alumni
6. One/two nominees from Employers /Industrialists/stakeholders
7. One of the senior teachers as the coordinator/Director of the IQAC

The composition of the IQAC will depend on the size and complexity of the institution. It helps the institutions in planning and monitoring. IQAC also gives stakeholders or beneficiaries a cross-sectional participation in the institution's quality enhancement activities. The guidelines given here are only indicative and will help the institutions for quality sustenance activities.

The membership of such nominated members shall be for a period of two years. The IQAC should meet at least once in every quarter. The quorum for the meeting shall be two-third of the total number of members. The agenda, minutes and Action Taken Reports are to be documented with official signatures and maintained electronically in a retrievable format.

It is necessary for the members of the IQAC to shoulder the responsibilities of generating and promoting awareness in the institution and to devote time for working out the procedural details. While selecting these members several precautions need to be taken. A few of them are listed below:

- ♦ It is advisable to choose persons from various backgrounds who have earned respect for integrity and excellence in their teaching and research. Moreover, they should be aware of the ground realities of the institutional environment. They should be known for their commitment to improving the quality of teaching and learning.
- ♦ It would be appropriate to choose as senior administrators, persons in charge of institutional services such as library, computer center, estate, student welfare, administration, academic tasks, examination and planning and development.
- ♦ The management representative should be a person who is aware of the institution's objectives, limitations and strengths and is committed to its improvement. The local

society representatives should be of high social standing and should have made significant contributions to society and in particular to education.

### **The role of coordinator**

The role of the coordinator of the IQAC is crucial in ensuring the effective functioning of all the members. The coordinator of the IQAC may be a senior person with expertise in quality aspects. She/he may be a full-time functionary or, to start with, she/he may be a senior academic /administrator entrusted with the IQAC as an additional responsibility. Secretarial assistance may be facilitated by the administration. It is preferable that the coordinator may have sound knowledge about the computer, its various functions and usage for effective communication.

### **Operational Features of the IQAC**

Quality assurance is a by-product of ongoing efforts to define the objectives of an institution, to have a work plan to achieve them and to specify the checks and balances to evaluate the degree to which each of the tasks is fulfilled. Hence devotion and commitment to improvement rather than mere institutional control is the basis for devising procedures and instruments for assuring quality. The right balance between the health and growth of an institution needs to be struck. The IQAC has to ensure that whatever is done in the institution for “education” is done efficiently and effectively with high standards. In order to do this, the IQAC will have to first establish procedures and modalities to collect data and information on various aspects of institutional functioning.

The coordinator of the IQAC and the secretary will have a major role in implementing these functions. The IQAC may derive major support from the already existing units and mechanisms that contribute to the functions listed above. The operational features and functions discussed so far are broad-based to facilitate institutions towards academic excellence and institutions may adapt them to their specific needs.

### **Monitoring Mechanism**

The institutions need to submit yearly the Annual Quality Assurance Report (AQAR) to NAAC. A functional Internal Quality Assurance Cell (IQAC) and timely submission of Annual Quality Assurance Reports (AQARs) are the Minimum Institutional Requirements (MIR) to volunteer for second, third or subsequent cycle’s accreditation. During the institutional visit the NAAC peer teams will interact with the IQACs to know the progress, functioning as well quality sustenance initiatives undertaken by them.

The Annual Quality Assurance Reports (AQAR) may be the part of the Annual Report. The AQAR shall be approved by the statutory bodies of the HEIs (such as Syndicate, Governing Council/Board) for the follow up action for necessary quality enhancement measures.

The Higher Education Institutions (HEI) shall submit the AQAR regularly to NAAC. The IQACs may create its exclusive window on its institutional website and regularly upload/ report on its activities, as well as for hosting the AQAR.

The NAAC Accredited institutions need to submit only the soft copy as word file (.doc/.docx) through e-mail ([capuaqar@gmail.com](mailto:capuaqar@gmail.com)). The file name needs to be submitted with Track ID of the institution and College Name. For example MHCOGN16601-Samudra Arts and Science College, Taliamegu-Maharashtra.doc or EC\_32\_A&A\_143 dated 3-5-2004-Samudra Arts and Science College, Taliamegu-Maharashtra.doc. The Higher Education Institutions need not submit the printed/hard copy to NAAC. The acknowledgements would be sent to the institutions through e-mail.

### **Mandatory Submission of AQAR by IQAC**

So far submission of AQARs was not a Mandatory requirement for Institutions applying to NAAC 2<sup>nd</sup> and subsequent cycles of Assessment and Accreditation (A&A). It has now been decided by the Executive committee of NAAC that **regular submission of AQARs should be made mandatory for 2<sup>nd</sup> and subsequent cycles of accreditation.**

In view of the decision of **Executive Committee of NAAC** the following will be the pre-requisites for submission of LOI for all Higher Education Institutions (HEIs) opting for 2<sup>nd</sup> and subsequent cycles of A& A **with effect from 16<sup>th</sup> September 2016:**

- Having a functional IQAC.
- The minutes of IQAC meeting and compliance to the decisions should be uploaded on the institutional website.
- Mandatory submission of AQARs on a regular basis for institutions undergoing the second and subsequent cycles of Assessment and Accreditation by NAAC.
- Upload the AQAR's on institutional website for access to all stakeholders.



## The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

### Part – A

#### I. Details of the Institution

1.1 Name of the Institution

**J.B. Institute of Engineering and Technology**

1.2 Address Line 1

Bhaskar Nagar, Yenkapally

Address Line 2

Moinabad Mandal, RR Dist.

City/Town

Hyderabad

State

Telangana

Pin Code

500 075

Institution e-mail address

principal@jbiet.edu.in

Contact Nos.

08413-231527

Name of the Head of the Institution:

Dr.P.V.S.Srinivas

Tel. No. with STD Code:

08413 -231527

Mobile:

8008884683

Name of the IQAC Co-ordinator:

Dr C Udaya Kiran

Mobile:

9704725526

IQAC e-mail address:

iqacordinator@jbiet.edu.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

T5COGN14122

1.4 NAAC Executive Committee No. &amp; Date:

(For Example EC/32/A&amp;A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

EC(SC)/13/A&amp;A/22.2

1.5 Website address:

www.jbiet.edu.in

Web-link of the AQAR:

<http://www.jbiet.edu.in/pdf/IS/IQAC2016-17.pdf>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 <sup>st</sup> Cycle	B	2.22	2010	5 Years
2	2 <sup>nd</sup> Cycle	B	2.55	2016	5 Years

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

12-01-2009

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--2010-11\_\_\_\_\_ (05/08/2011)
- ii. AQAR--2011-12\_\_\_\_\_ (21/08/2012)
- iii. AQAR--2012-13\_\_\_\_\_ (22/09/2013)
- iv. AQAR--2013-14\_\_\_\_\_ (12/08/2014)
- v. AQAR-2014-15\_\_\_\_\_ (12/08/2015)
- vi. AQAR--2015-16\_\_\_\_\_ (21/09/2016)
- vii. AQAR--2016-17\_\_\_\_\_ (17/09/2017)

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,  
Hyderabad

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

Autonomy by State/Central Govt. / University	<input type="text" value="√"/>		
University with Potential for Excellence	<input type="text"/>	UGC-CPE	<input type="text"/>
DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other ( <i>Specify</i> )	<input type="text" value="UGC autonomous up to 2019-20."/>
UGC-COP Programmes	<input type="text"/>		

**2. IQAC Composition and Activities**

2.1 No. of Teachers	<input type="text" value="4"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="2"/>
2.3 No. of students	<input type="text" value="5"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="2"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="4"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="1"/>
2.8 No. of other External Experts	<input type="text" value="1"/>
2.9 Total No. of members	<input type="text" value="20"/>
2.10 No. of IQAC meetings held	<input type="text" value="3"/>

2

2.11 No. of meetings with various stakeholders: No. Faculty

Non-Teaching Staff  Students  Alumni  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.  International  National  State  Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

Converted Plans into Actions and monitored the progress and gave feedback to have corrective action. A closed feedback system is established to Plan-Action-Monitor-Feed Back-Plan for betterment and quality improvement in basic aspects on which the Institution runs. IQAC has achieved this through a group of management tools and devices which manage, monitor and control various steps of education and research at JBIET.

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
1. Improvement in the Teaching & Learning	Improvement in the pass percentage of the students and also in the employment achievement
2. Enhancing Research Activities	Produced 2 Ph.Ds Number of Publications
3. Active participation of Alumni interaction with students	
4. Publication of a Journal paper by M.Tech students based on	All students of M.Tech published Journal publications and had exposure to journals

their M.Tech Project	
5. Initiate Research in Agriculture	<ul style="list-style-type: none"> <li>• UG students have visited Agriculture University to check various Mechanical equipments used in agriculture University and started designing and produced Agricultural equipment as their projects.</li> <li>• A seed Sowing Captor is being designed and will be produced by Mechanical engineering students.</li> <li>• Students have started working on staircase farming equipment.</li> </ul>
6. Measures to enhance the teaching skills	<ul style="list-style-type: none"> <li>• Received better feedback for teacher by students.</li> <li>• Job satisfaction for staff members</li> </ul>
7. Measures to enhance technical skills of Technical staff	<ul style="list-style-type: none"> <li>• Better guidelines are given by technical staff to the student in laboratory work.</li> </ul>
8. Student feedback analysis and counseling of lecturers	<ul style="list-style-type: none"> <li>• Staff counselling by senior academicians has resulted in betterment of staff who got lower feed back in case of certain quality attributes.</li> </ul>
9. Library Expansion	<ul style="list-style-type: none"> <li>• Could provide more space for students</li> </ul>
10. Implementation of CBCS and appointing Course coordinators for creating awareness about open elective subjects choosing by students	<ul style="list-style-type: none"> <li>• Yet to be implemented</li> </ul>
12. Introduction of Life skills program to students	<ul style="list-style-type: none"> <li>• Under implementation</li> </ul>

\* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body      Yes       No

Management       Syndicate       Any other body

Provide the details of the action taken

1. Semester wise Meetings are conducted where committee members are asked to suggest points to improve quality of education and quality of evaluation.
1. Suggestions included in minutes of the meetings conducted by IQAC are passed on to Academic Council and BOG meetings for approval.

## Criterion – I

### I. 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	8 M.Tech, MBA and MCA	--	10	--
UG	8	--	8	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others	--	--	--	--
<b>Total</b>	18		18	
Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

#### 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	18
Trimester	--
Annual	--

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

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

\*Please provide an analysis of the feedback in the Annexure

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

- As per the requirements of Industry, it is proposed and implemented to include industrial component in to syllabus of III & IV B.Tech Courses.Ex: Industry Oriented Mini Project, Internship Programs. Labs and Theory subjects are introduced as per the needs of market demand

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

No

**Criterion – II****2. Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
<b>224</b>	<b>181</b>	<b>27</b>	<b>16</b>	<b>--</b>

2.2 No. of permanent faculty with Ph.D.

16

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
181	04	27	03	16	1	--	--	224	08

2.4 No. of Guest and Visiting faculty and Temporary faculty

00

00

00

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	13	23	23
Presented papers	28	03	01
Resource Persons	05	01	01

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

Annual Conduction of ITTSIP (Intensive Technical Training and Skills Improvement Program) / ITSMIP (Intensive Teaching Skills Monitoring & Improvement Program)/ Orientation Programs for Staff members who join Teaching for first time to understand Teaching Learning Process and Teaching Methodologies/Latest teaching Aids/Black Board/Visual Projectors/LCD Projectors/Animated videos/Charts/Cut Section Models/Tutorials/Brain Storming Sessions/Establishment of Quality Monitoring and Improvement system for both Teaching and Non Teaching staff/Staff Counselling by mentors or senior staff/Implementation of Outcome based Teaching methodology

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

188



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

- To avoid Impersonation and to easy identification of the candidate writing examination, his/her photo is printed over detachable cover page of answer booklet.
- where Innovative and new reforms are implemented both at Examination and Valuation system to maintain the confidentiality and bring up the quality of evaluation systems. Coding of Answer Scripts is being done to detach the details of student from answer scripts and the coded part is kept in the custody of Authorities in sealed condition with due signatures of two highly authorised Officials. Double valuation system is also implemented where ever the chief examiner who is a senior and experienced subject expert feels to carry out to curb irregularities and make the evaluation process more uniform.

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

95

2.10 Average percentage of attendance of students

79

2.11 Course/Programme wise

Distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.Tech	720	73	26	1	-	86
MBA	27	51	18	-	-	67
MCA	11	100	-	-	-	100
M.Tech	85	57	5	-	-	63

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

Regular meetings of HODs on weekly basis to monitor academic and non-academic performance of students, over coming the challenges, dead lines action plan for the organizing the events, monitoring the attendance, pass percentage of the students and any other agenda. Regular meetings of IQAC are conducted on half early basis to define, note the performance of the Institutions in terms of Teaching & Learning, academic improvement, and nurture the best and innovative practices in Learning environment of the institution.

## 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	80
UGC – Faculty Improvement Programme	60
HRD programmes	08
Orientation programmes	27
Faculty exchange programme	3
Staff training conducted by the university	6
Staff training conducted by other institutions	40
Summer / Winter schools, Workshops, etc.	--
Others	--

## 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	30	-	-	-
Technical Staff	20	5	-	-

## Criterion – III

### 3. Research, Consultancy and Extension

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

IQAC has conducted meetings with all staff and research scholars in particular to motivate them to carry out

- Innovative research in latest and advanced areas of respective branches.
- As group of colleges have medical, dental, pharmacy and engineering colleges in the same location, students are encouraged to carryout research in Multidisciplinary areas.
- Staff is motivated to register for their research programs.

As the result, the college could produce good amount of output in terms of

- Involvement of students in research projects.
- Raise in number of staff who registered for their Ph.D programs.
- Raise in number of publications in International and National Journals.
- 

#### 3.2 Details regarding major projects

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

#### 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	68	42	--
Non-Peer Review Journals	--	--	--
e-Journals	2	--	
Conference proceedings	10	06	28

#### 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	--	--	--	--
Minor Projects	--	--	--	--
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	--	--	--	--
Students research projects <i>(other than compulsory by the University)</i>	--	--	--	--
Any other(Specify)	--	--	--	--
Total	--	--	--	--

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)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	Nil	3	18	Nil	20
Sponsoring agencies	Nil	IETE & College	MIC, IETE & College	Nil	RK Matt, College & Others

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

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency  From Management of University/College   
 Total

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
	-	1	1	3	4	5

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

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

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  State level   
 National level  International level

3.22 No. of students participated in NCC events:

University level  State level   
 National level  International level

3.23 No. of Awards won in NSS:

University level	<input type="text"/>	State level	<input type="text"/>
National level	<input type="text"/>	International level	<input type="text"/>

3.24 No. of Awards won in NCC:

University level	<input type="text"/>	State level	<input type="text" value="1"/>
National level	<input type="text" value="1"/>	International level	<input type="text"/>

3.25 No. of Extension activities organized

University forum	<input type="text"/>	College forum	<input type="text" value="25 Activities under Students Activity Centre"/>		
NCC	<input type="text"/>	NSS	<input type="text"/>	Any other	<input type="text"/>

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

- Swach Bharath Abhiyan
- Tree Plantation
- Blood Donation
- Save Energy Concept
- Go Green Concept
- Village Development Activities – Distribution of Books, Blankets, Water filter to Old Age Home & Schools in Yenkapally Village.
- Beti Padho Beti Bacho – Awareness programme by Girls Students
- Consequences of Ragging Awareness by Police Personals from Moinabad PS.
- Road Safety Awareness
- Mind Management Programme from Ramkrishna Matt
- Pollution Prevention Programme
- Anti Polio Drive
- Eco Friendly Ganesha
- Energy Conversation – Solar Lightning
- Safety & Security of Women by SHE TEAM from Govt. Of Telangana
- Gold Medals to the Meritorious Students
- Financial Assistance to the Economically poor students
- Motivational Lecture – Videos Lecture to the students to be socially responsible and being good Human Being.

**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		36	--	--	36
Class rooms		71	--	--	10
Laboratories		56	6	Management	8
Seminar Halls		10	1		1
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	ECE	300	60 Trainer Kits in ECE Branch	Management	Rs.64,76,051/-
			MATLAB, Xylinx, MultiSIM Softwares costing Rs.28,00,000/-		
	ME		14 Items costing Rs.7,20,451/-		
	EEE		14 Items Costing Rs. 29,55,600/-		
Value of the equipment purchased during the year (Rs. in Lakhs)		55,30,391/-	34,10,642/-		Rs.34,10,642/-
Others					98,86,693/-

## 4.2 Computerization of administration and library

12 computer systems are having with the standard configuration and networking with LAN and Internet connection for smooth flow of Office admin work. Library consist of 45 systems with high configuration and digitalized resource material with NPTL.

## 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	74811	--	812	4,77,460.00	--	75,623.00
Reference Books	12514	--	49	31,224.00	--	12,563.00
e-Books	14427	3,55,437.00	--	--	14427	3,55,437.00
Journals	161	3,63,412.85	--	--	161	3,63,412.85
e-Journals	7531	1,46,322.00	12531	1,48,900.00	--	20,062.00
Digital Database	4TB	4,72,500.00	--	--	4TB	4,72,500.00
CD & Video	4673	1,18,125.00	--	--	4673	1,18,125.00
Others (specify)	--	--	--	--	--	

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1000	28	64 Mbps	2	1	1	08	--
Added	--	--	36 Mbps	--	--	1	--	--
Total	1000	28	100 Mbps	2	1	2	08	--

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

- Office 365 Accounts and mail Ids are given to every student and faculty with these accounts every faculty and students will get **free MS Office and Windows Applications.**
- **51 Teachers** undergone **one week workshop** on “MAT LAB” which took place VLSI Lab.
- Many staff members are members of **Coursera** and other online web sites and undergoing Courses useful for their career.
- Trained 100 Staff members through “ **Microsoft Certified Educator(MCE)**” Program

4.6 Amount spent on maintenance in lakhs :

i) ICT	5 Lakhs
ii) Campus Infrastructure and facilities	2,295,569
iii) Equipments	8,891,471

iv) Others

i.	Maintenance	Rs.	29,02,368/-
ii.	Insurance	Rs.	14,61,958/-
iii.	Fuel	Rs.	25,08,034/-
iv.	Others	Rs.	95,61,752/-
			-----
	<b>Total</b>	<b>Rs</b>	<b>1,64,34,112 /-</b>

**Total :** 2,81,21,152/-\*

\*\* HO



**Criterion – V****5. Student Support and Progression**

## 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

JB IET has an independent system for student support and mentoring which comprises of **Grievance Cell**, Dean Student Affairs, Physical Director, **SAC(Student Activity Centre)** and Principal. There are several committees such as **Disciplinary Committee, Anti Ragging Committee, Training & Placement Cell, Grievance Redressal Cell**, and Committees for all **extra-curricular activities** are available for students.

Principal along with committee members visits regularly to Boys' and Girls' Hostel to monitor the facilities and inspects the hostel surroundings.

Through student Chapters and Clubs, students are encouraged to participate in cocurricular and extra curricular activities.

Orientataion Program is arranged for newly joined students to spread awareness about academic regulations.

## 5.2 Efforts made by the institution for tracking the progression

- Student who enters the college in I B.Tech will be provided with a Mentor and who maintains a Student Progression/ status book/**Mentor Dairy** where all details of student like back ground of the student, details of parents, his past progress reports, strengths and weaknesses are recorded and regular counselling sessions are conducted to understand students educational and personal status so as to know any difficulty being faced by him in either college or hostel to give proper solution to come out. The mentor regularly (semester wise) records all data of the student in the mentor dairy.
- Parent-Teacher Meetings are arranged periodically to track and know their wards progress. If any student is found to be performing low, such students are asked to register for **Remedial Classes**.
- A **WhatsApp Group** is also being maintained to check status of the Alumni.

UG	PG	Ph. D.	Others
266	36	NA	40

5.3 (a) Total Number of students

(b) No. of students outside the state

10

(c) No. of international students

NIL

Men	No	%	Women	No	%
	270	70		115	30

Last Year(2015-17)						This Year(2016-17)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
95	87	44	368	00	594	83	54	29	218	01	385

Demand ratio 3:4 {385/516} Dropout % 1.5%

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

##### **CRT Training**

Training in written test, group discussion and preparation of resumes to increase the chances of recruitment of the students. **Debating club** organize Debate & Elocution competition in order to develop communication skills and personality development.

##### **Training & Placement Cell**

Mr. V.V. Rangasai is TPO with a team of faculty members. UG and PG students are divided into groups and CRT classes are arranged in the beginning of the semester. They are trained by experts in area of aptitude skills, communication skills, interview techniques and resume writing to enable them to take part in on-campus and off campus drives and to clear competitive examinations.

##### **Soft Skill Development**

JB IET encourage students to develop their soft skill by appointing Dr. M.S. Rao as soft skill trainer. Soft skill course includes training in leadership qualities, time management, conflict resolution, goal setting, team building and interpersonal skill etc.

##### **Communication Skill Development**

The College offers English language through communicative skills as the regular curriculum as ELCS (English Language through Communication Skills) lab and it is offered by the Department of English to cater to the need of the student for language development skills.

##### **Literary Club**

Literary club in JB IET encourages students to participate in Elocution, Debates and Group Discussion and essay writing completion which help to develop the overall personality of the students.

##### **Other Enhancing Activities:**

**Industrial visits** Students acquire practical knowledge of the subject by **Industrial visits or industrial tour which** helps the students to update their knowledge on current affairs

##### **Yoga Classes**

A dedicated Yoga Guru regularly conducts Yoga classes for JB IET students.

- JB IET students participated one day workshop on “ Leadership Forever” from 10 A.M. to 5 P.M. which is being organized on Thursday 17/08/2017 at JIV campus, Sri Ramanagaram.
- JB IET P.G. students participated a programme “ Leadership” at Ramakrishna Math on 09/09/2017.

No. of students beneficiaries

204

5.5 No. of students qualified in these examinations

NET	--	SET/SLET	--	GATE	32	CAT	--
IAS/IPS etc	--	State PSC	--	UPSC	--	Others	50

5.6 Details of student counselling and career guidance

**Academic Counseling**

The academic performance of each student is monitored by the class in charge who imparts personal and academic guidance. Academic guidance is given to the slow learners by the subject teachers and Heads of the Department. Their academic performance as well as attendance & behavior related issues (if any) are discussed with the parents in the meeting. For the absentees, SMS has been sent to their parent as a daily basis.

**Counseling**

Beside the subject teacher, each class has a class in charge to whom the student can approach for academic and personal help. Class in charge gets to know the details regarding student attitude & personality, attendance, performance record and other requirement towards the fulfillment of course work. If necessary parents’ meetings are organized to update the progress of their ward.

**Psychological counseling**

Classes are also being arranged by Psychologist from Bhaskar General Hospital.

No. of students benefitted

751

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
36	321	126	71

5.8 Details of gender sensitization programmes

- An exclusive measure is taken by incorporating a mandatory subject on “Gender Sensitization” to all students of UG in II B.Tech Course Work.
- Organized “Beti Padao-Beti Bachao”, a National Program in surrounding Villages of Yenkapally by our staff and students of Student Activity Center.
- Save Girl Child Campaign organized in surrounding villages by “Student Activity Center”

**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	02	102800
Financial support from government	1554	59135700
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:**

Registered: 3

Solved : 2

Pending: 1(Exclusive RTC bus for students of JBIET from City to College-Pursuing with TSRTC)

## Criterion – VI

### **6. Governance, Leadership and Management**

#### 6.1 State the Vision and Mission of the institution

##### VISION:

To nurture excellence in the field of engineering and professional courses by imparting timeless core values to the learners and to mold the institution into a center of academic excellence and advanced research.

##### MISSION:

To impart high Quality Technical & Professional education in order to mould the learners into globally competitive professionals who are professionally deft, intellectually adept and socially responsible.

The Institution strives to make the learners inculcate and imbibe pragmatic perception and pro-active nature so as to enable them to acquire a vision for exploration and an insight for advanced inquire.

#### 6.2 Does the Institution has a management Information System

Management is taking inputs from external and internal sources through virtual hierarchy by using systems approach, Bio-Metric, CCTV Footage, encouraging the employees to communicate to the top level through email, tele call, CMS Software messaging service, etc. and having weekly meetings with the Heads of the Department , Principal to know the day to day progress of the institutions and any hurdles facing by the department / college etc.

Provided Drop Box facility are placed in each and every department to encourage the student/ faculty to share their feedback/ suggestions for quality improvement in teaching learning process.

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

##### 6.3.1 Curriculum Development

- Every six months BOS Meeting are scheduled to update / upgrade the curriculum and syllabus for UG & PG Programmes as per the Industry Requirements.
- BOS constitution consists of 2 senior academicians (one is University Nominee and another from a well known Academician), an Industrialist, one Alumni who is meritorious during his studies, subject experts from the respective branch of our Institution.
- Keep on introducing new courses in course structure through BOS Meetings as per the demand of Industry.

## 6.3.2 Teaching and Learning

- Teaching Learning Process is at most important process for any educational Institution and in our Institution it is given special emphasis so as our teachers perform holistically well in class room right from delivering lecture to having good command over the class.
- Every year we conduct two FDP Programs for newly joined and existing teachers who has less than 5 years of experience. Micro teaching activities are conducted and the candidate is asked to improve in aspects where exactly he is lagging behind through his teaching Videos.
- Class Room Management with energy packed session by adopting various models on teaching are being practised such as
  - a) Chalk-Talk-Walk
  - b) AIR (Actions-Interaction and Reactions)
  - c) Situation/Case Based Methodology
  - d) Practical Based (Assembly/Disassembling)
  - e) 2-Way Approach(Student to Teacher and Teacher to Student)
- To Upgrade the Knowledge, Management is encouraging to attend, Participate and Present the papers at various levels.
- Teachers are registered members of International Institutions like Wharton, MIT, Kellogg Institution for upgrading their subject knowledge through Course Era.

## 6.3.3 Examination and Evaluation

End Semester Question Paper prepared by the External Paper Setter from leading institutions / University from the same state / from other states. Question Paper Setter names approved by the Result Analysis Committee, Principal, Controller of Exam., Heads of Department etc.

Final evaluation will be done by the faculty from other college who are having minimum of 3-5 years of teaching in the same subject. Chief Evaluation is also done parallel along with the regular valuation.

Question Paper Review will be done on the same day of the examination just before the commencement of the paper to verify the standard of Question Paper covering the entire units, errors if any.

Result Declaration Committee will be doing the analysis (Moderation if required) before announcing the final results. Results declared between 30-40 days after the last day of the examinations.

Printed Answer Booklet with students details, date of exam, barcode etc. Were introduced for the external examination booklets. Student Image is planned to print on the Detachable cover sheet of answer Booklet.

6.3.5 Library, ICT and physical infrastructure / instrumentation

In addition to the space, infrastructure and other required facilities, additional space, infrastructure are provided to expand Library to cater needs of more number of students.

6.3.6 Human Resource Management

- The immense power of Human cant be replaced with infrastructure and other resources. Human resource must be paid proper attention to perform, retain and grow while fulfilling the objectives of the organization.
- Life skills is made mandatory for all students of all years. 33 teachers have undergone intensive edutainment program to become trainers on Life Skills.

6.3.7 Faculty and Staff recruitment

- In order to professionally improve quality of staff , we annually conduct Student feed back and counselling sessions with the help of senior teachers. Performance appraisals are provided in order to encourage staff who are performing well.
- Intensive Teaching Skills Monitoring and Improvement Program(ITSMIP) is annually conducted to improve quality of staff.

6.3.8 Industry Interaction / Collaboration

JBIEET is having 34 MoUs with leading industries from different sectors. Meeting Regularly on sharing Knowledge Gaps, Industry Expectations, Project hiring, Placements etc. Memorandum of Understanding with Microsoft, HCL Info Systems Limited, Virscent Technologies Pvt. Ltd and Talent Sprint Education Services Pvt. Ltd were renewed. JBIEET is having professional membership with HMA, FTAPCII, ISTE, SAE JBIEET Collegiate Club, IIT Mumbai, CII

6.3.9 Admission of Students

70 % of the admissions done by the State Government through Centralized Counselling in Category A. 30% of the students admitted under Management Quota / Category B by the college under the guidelines of the TSCHE / JNTU H and Govt. Of Telangana.

6.4 Welfare schemes for

Teaching	Group Medical Insurance, Free Medical Testing and treatment, Transport at Subsidiary Charges
Non teaching	Free Medical Testing and treatment, Transport at Subsidiary Charges
Students	Group Medical Insurance, Free Medical Testing and treatment

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) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	JNTUH	Yes	Principal
Administrative	Yes	JNTUH	Yes	Principal

6.8 Does the University/ Autonomous College declares 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?

Under the Autonomous framework the Institution has a separate Examination Branch which takes care of smooth conduction of examinations. Some of the significant modifications are introduced such as mentioned below.

1. Both Question paper setting and Evaluation is done by the senior faculty members belonging to other colleges . These faculty members are approved by Board of Studies(BOS).
2. Tab based marks entry for accurate and fast result processing.
3. Revaluation
4. Recounting
5. Grading System
6. Early publication of results online.
7. Introduction of Choice Based Credit System (CBCS) from the academic year 2016-17 for UG and 2015-16 for PG.

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

- Annual Alumni meetings are being organized
- Alumni address to students on guidelines on higher education and Career



6.12 Activities and support from the Parent – Teacher Association

Two Parent Teacher Meetings are conducted every Semester where parents-Teacher Association will be discussing various points listed below.

- Academic Improvement programs
- Student Grievances if any
- Certain Parents who are professionals suggest and support Industrial visits, Guest Lectures, Career Guidelines, Entrepreneurship and etc...

6.13 Development programmes for support staff

- Support staff are conducted classes to learn usage of computer and simple packages like MS word, MS Excel etc...

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

- Clean and Green Activities are organized.
- Used water undergoes treatment in STP(Sewage Treatment Plant) and is reused for garden, flushing and etc.
- Plantation all around the campus and adoption of plants and trees by staff and students

## 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.

- Annual Conduction of ITTSIP (Intensive Technical Training and Skills Improvement Program)
- ITSMIP (Intensive Teaching Skills Monitoring & Improvement Program)
- Training Programs conducted to non teaching staff on Basic computer usage knowledge, MS-Excel and MS-Word for 1 Week.
- Departmental What App Groups are created for sharing of information, content sources and subject Videos and web links to students.

#### Title of Innovative Practise:

#### **Intensive Technical Training and Skills Improvement Program (ITTSIP)**

**Goal:** It is proposed to conduct Intensive Technical Training and skill Improvement Program (ITTSIP) at Department level for improving technical and demonstrative skills in laboratory work. This program is intended to conduct for lab instructors. Period during external examinations is ideal time for conducting such workshop by all departments as technical staff is free during this period and such time can be utilized by technical staff to improve their practical knowledge in all laboratories.

**Context and Need:** At present technical staff are carrying out lab work in a particular lab and they are ignoring other labs. Certain times when one of the technical staff abstains to college (due to his personal work/Medical issues/Resignation), it becomes difficult to manage labs being handled by abstained technical staff.

**Who has to Attend:** All instructors who are qualified with ITI / Diploma are to undergo an intensive technical training workshop where he will be intensively trained in all laboratories. All Instructors of the department are practically exposed to all experiments of all labs.

**Method and Period:** Concerned Lab in charge and Lab instructors will train all technical staff. At the end of training all technical staff will be undergoing two types of examination to check how much they have learnt from the training. An Objective test to check his theoretical knowledge and a practical examination to test his practical knowledge will be conducted and cumulative marks are noted on their training **certificate** which will be handed over to the candidate upon successful completion of the program. These marks are to be considered at the time of faculty appraisal.

**Duration:** The program may be conducted for one full week or may be extended further as per the convenient of the department.

**Reference:** Such program was conducted in the department of mechanical engineering and has yielded positive result.

**Outcome:** Technical staff has better performed in their laboratory and could extend their technical support to other labs.

**Title of Innovative Practise:**

**Intensive Teaching Skills Monitoring & Improvement Program (ITSMIP)**

**Goal:** TO conduct a Quality improvement program for teachers.

**Context and Need:** Conducting orientation program for newly joined teachers is a tradition of JB Group of Engineering and Technology. During the program, seasoned teachers, Academicians and Mentors are called to give lectures to newly joined teachers for building a thorough foundation for teachers. At the end of the program microteaching activities are conducted to check the teaching skills and give feedback on their teaching capabilities so that the candidate can improve his quality characteristics of teaching. Further he is deployed to teach to students. Except student feedback, there is no other quality check/ surveillance activity on the teacher for monitoring and improve his teaching qualities. In order to overcome this problem, I propose a KAIZEN based methodology to give chance to a teacher to continuously and step by step improve his teaching qualities.

**Who has to Attend:** Teachers of all departments

**Method and Period:** During intra semester break i.e. during examinations; all departments can plan to conduct a one week program may be conducted by departments. Monitoring teams can be constituted with three to five senior staff members from different departments and can observe teaching skills of all staff members while they are delivering a lecture in front of the team. These teams will note down teacher's quality characteristics on a scale of 1-10 points. Based on this feedback, the teacher will be suggested to improve in certain areas where he is lacking. Further he will be given time of 1-4 days, and is again asked to deliver a lecture in front of respective Monitoring team. The teachers are expected to improve in respective areas suggested by the team. Status and Improvement of the teachers will be recorded in one more performance sheet and the same should be considered during their appraisal.

**Duration:** 1 Week program is sufficient for conducting this program for all teachers of respective departments but as the staff need to attend invigilation and other emergency duties during end of the semester, department can plan and schedule the program for all staff of the department as per their convenience.

**Reference:** It is a proposal to conduct on experimental base.

**Outcome:** Quality of the teachers who attended this program got better student feedback.

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

S.No.	Proposed Action	Action Taken
1.	Enhancing Research Activities	Conducted research review meetings to create awareness on need of research for teachers, Brain storming sessions on technical issues...etc.
2.	Active participation of Alumni interaction with students	Invited and conducted workshops, guest lectures and career guidelines seminars by alumni to present students
3.	Publication of a Journal paper by M.Tech students based on their M.Tech Project	M.Tech students have Published 36 papers in various international Journals.
4.	Initiate Research in Agriculture	<ul style="list-style-type: none"> <li>• UG students have visited Agriculture University to check various Mechanical equipments used in agriculture University and started designing and produced Agricultural equipment as their projects.</li> <li>• A seed Sowing Captor is being designed and will be produced by Mechanical engineering students.</li> <li>• Students have started working on staircase farming equipment.</li> </ul>
5.	Measures to enhance the teaching skills	Two Faculty Development Programs were conducted on teaching learning process with Micro teaching sessions.
6.	Measures to enhance technical skills of Technical staff	Two Training programs were conducted
7.	Student feedback analysis and counseling of lecturers	Feed back is taken even before I Mid Examinations and counselling sessions were conducted to teachers who has low performance in certain teachers quality attributes.
8.	Library Expansion	Successfully Expanded 140 SQM of floor space with Infrastructure.
9.	Implementation of CBCS and appointing Course coordinators for creating awareness about open elective subjects choosing by students	Successfully implemented and Course advisors are appointed.
10.	Introduction of Life skills program to students	Implemented successfully to all UG students.

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

- Energy Conservation through Roof Top Solar Plant
- Water Harvesting Pits are arranged to retain rain water and improve ground water levels.
- Plantation of more than 300 plants and trees.

*\*Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

## 7.4 Contribution to environmental awareness / protection

Environmental awareness is created in the students through a Mandatory Course “Environment Science” in their course structure.

7.5 Whether environmental audit was conducted?    Yes     No

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

**STRENGTHS**

- JBIET is in the same group where we have a Medical, Pharmacy, Dental and Architecture Colleges are existing and its an advantage for our students to carryout Interdisciplinary research activities.
- Regular and free medical checkups and treatment for Employees and students help in maintaining good health of staff members.
- College is very well connected with Government and College transport Facilities.
- Well educated and Visionary Management.
- Well connected with all means of transports like railway, Road and air.
- Hyderabad is a hub for all industrial developments which helps the student and staff to update and experience latest technologies.
- IITH, IIT Hyderabad, JNTUH, Osmania University are some of the University Colleges with which our college has Research, Academic transactions.
- 106 Acres of land with pollution free environment.

**WEEKNESSES**

- Lack of good quality research
- Tuition fee of 60% of the students is being received from Government of Telangana and the delay of these receivable keeps the college in a tight financial difficulty.
- Alumni network needs to be strengthened.
- Revenue Generation and funded projects need to be Improved

**OPPORTUNITIES**

- Plenty of opportunities for Industrial Collaboration as Hyderabad is surrounded by plenty of Industries.
- Deemed University Status
- Implementation of Latest Technology Labs in respective branches with the help of UGC through MODROBS.

**THREATS**

- Sudden spurt of Educational Institutions and Private Universities in and around Hyderabad and Telangana State has created a tough competition.

**8. Plans of institution for next year**

- To Make College and Outcome Based Educational Center in Hyderabad and stand as an example.
- Implementation of Life Skills Program for all Year students thereby achieving 100% Employability.
- To further Improve Industry Institute Interaction

Name Dr C Udaya Kiran



Signature of the Coordinator, IQAC

Name Dr. P.V.Srinivas



Signature of the Chairperson, IQAC

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**Annexure I****Abbreviations:**

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence

UPSC - Union Public Service Commission

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