

**J.B.INSTITUTE OF ENGINEERING & TECHNOLOGY
AUTONOMOUS**

**Internal Quality Assurance Cell (IQAC)
and Submission of Annual Quality Assurance
Report (AQAR) in Accredited Institutions**

ACADEMIC YEAR

2014-2015



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

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 & Technology |
| 1.2 Address Line 1 | Bhaskar Nagar, Yenkapally Village |
| Address Line 2 | Moinabad Mandal, R.R. District |
| City/Town | HYDERABAD |
| State | Telangana |
| Pin Code | 500075 |
| Institution e-mail address | principal@jbiet.edu.in |
| Contact Nos. | 08413-231527 |
| Name of the Head of the Institution: | Dr. Niraj Upadhayaya |
| Tel. No. with STD Code: | 08413 -231527 |
| Mobile: | 8008884683, 9908213890 |

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHCogn 18879)

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:

Web-link of the AQAR:

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 | B | 2..22 | 2010 | 5 YEARS |
| 2 | 2 nd Cycle | | | | |
| 3 | 3 rd Cycle | | | | |
| 4 | 4 th Cycle | | | | |

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

1.8 AQAR for the year (for example 2010-11)

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)4
- ii. AQAR _____ (DD/MM/YYYY)
- iii. AQAR _____ (DD/MM/YYYY)
- iv. AQAR _____ (DD/MM/YYYY)

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*)

JNTU H

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

Autonomy by State/Central Govt. / University

√

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
autonomous
up to 2019-20.

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

4

2.2 No. of Administrative/Technical staff

2

2.3 No. of students

5

2.4 No. of Management representatives

1

2.5 No. of Alumni

2

2.6 No. of any other stakeholder and
community representatives

4

2.7 No. of Employers/ Industrialists

1

2.8 No. of other External Experts

1

2.9 Total No. of members

20

2.10 No. of IQAC meetings held

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

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 |

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

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

Part – B

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 MBC & MCA | Nil | 10 | |
| UG | 08 | Nil | 08 | Nil |
| PG Diploma | Nil | Nil | Nil | Nil |
| Advanced Diploma | Nil | Nil | Nil | Nil |
| Diploma | Nil | Nil | Nil | Nil |
| Certificate | Nil | Nil | Nil | Nil |
| Others | Nil | Nil | Nil | Nil |
| Total | 18 | Nil | 18 | Nil |
| Interdisciplinary | ECM Course introduced during 2012-13 with the combination of CSE & ECE | | | |
| Innovative | Nil | Nil | Nil | Nil |

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

(ii) Pattern of programmes:

| Pattern | Number of programmes |
|-----------|-----------------------------------------------------------------|
| Semester | All UG & PG Programmes are based on Semester System. |
| Trimester | Not Applicable |
| Annual | Not Applicable |

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.

YES

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

➤ Cloud Computing Centre Women Protection Cell
 ➤ Women Empowerment Mind Management Centre (Yoga & Meditation)

Criterion – II

2. Teaching, Learning and Evaluation

| | | | | | |
|------------------------------------|------------|------------------|----------------------|------------|-----------|
| 2.1 Total No. of permanent faculty | Total | Asst. Professors | Associate Professors | Professors | Others |
| | 270 | 212 | 42 | 16 | -- |

2.2 No. of permanent faculty with Ph.D. 15

| | | | | | | | | | | |
|---------------------------------------------------------------------------|------------------|---|----------------------|---|------------|---|--------|---|-------|---|
| 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 |
| | | | | | | | | | | |

2.4 No. of Guest and Visiting faculty and Temporary faculty 0 0 NIL

2.5 Faculty participation in conferences and symposia:

| | | | |
|------------------|---------------------|----------------|-------------|
| No. of Faculty | International level | National level | State level |
| Attended | 01 | 10 | 52 |
| Presented papers | 07 | 15 | 25 |
| Resource Persons | 02 | 05 | 10 |

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

a) Students Centric Teaching c) Two Way type of Teaching Pedagogy
 b) Case Based Teaching purpose d) Using Technology Gadgets for Teaching & Learning

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)

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

| | | |
|---|---|---|
| 0 | 7 | 2 |
|---|---|---|

2.10 Average percentage of attendance of students

| |
|------------------|
| 70 – 75 % |
|------------------|

2.11 Course/Programme wise
distribution of pass percentage :

| Title of the Programme | Total no. of students appeared | Division | | | | |
|------------------------|--------------------------------|---------------|-----|------|-------|--------|
| | | Distinction % | I % | II % | III % | Pass % |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

2.13 Initiatives undertaken towards faculty development

| <i>Faculty / Staff Development Programmes</i> | <i>Number of faculty benefitted</i> |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Refresher courses | <ul style="list-style-type: none"> • 9 Programmes • 1 Month teaching programme for Junior Faculty. • 10 days Teaching & Learning Programme for all staff. • Enhancing English Communication Skill for all Jr. Faculties. • 5 Programmes conducted on Research & Development • Research Methodology for all faculty who are pursuing Ph.D. • Graduation Day arranged for immediate pass students. |
| UGC – Faculty Improvement Programme | |
| HRD programmes | |
| Orientation programmes | Two Orientation programmes for UG & PG |
| Faculty exchange programme | |
| Staff training conducted by the university | 04 |
| Staff training conducted by other institutions | 09 Programmes |
| 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 | | | | |
| Technical Staff | | | | |

Criterion – III

3. Research, Consultancy and Extension

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

Management is encouraging the faculty to attend and present Research Papers, Research Publications etc. JBIET has started “**J B R Research Review**” Quarterly Journal for publications of the articles by the JBIET Faculty & Staff for internal Circulation.

3.2 Details regarding major projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|------------|---------|------------|-----------|
| Number | | 01 | 03 | 02 |
| Outlay in Rs. Lakhs | 17.5 Lakhs | | | |

| S.NO. | DEPARTMENT | AREA OF CONSULTANCY | BENEFICIARY COMPANY |
|-------|------------|--------------------------------------------|---------------------|
| 1. | EEE | Missile System | DRDL |
| 2. | CSE | Mobile application for disaster management | NIC |
| 3. | CSE | GPU based computing | Doordarshan,India |
| 4. | MECH | Composite material | |

3.3 Details regarding minor projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number | 01 | 01 | 02 | 01 |
| Outlay in Rs. Lakhs | 6 Lakhs | 8.5 | | |

3.4 Details on research publications

| | International | National | Others |
|--------------------------|---------------|----------|--------|
| Peer Review Journals | 199 | 42 | |
| Non-Peer Review Journals | | | |
| e-Journals | | | |
| Conference proceedings | 74 | 72 | |

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 | 01 | 33 | - | - | 34 |
| Sponsoring agencies | | | | | |

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 | 04 |
| 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 |
|-------|---------------|----------|-------|------------|------|---------|
| 35 | 09 | 13 | 08 | 02 | | 01 |

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

10

52

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) - Nil

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events: **Not Applicable**

University level State level
National level International level

3.22 No. of students participated in NCC events: **Not Applicable**

University level State level
National level International level

3.23 No. of Awards won in NSS:

Not Applicable

| | | | |
|------------------|----------------------|---------------------|----------------------|
| 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:

Not Applicable

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

3.25 No. of Extension activities organized

| | | | | | |
|------------------|----------------------|---------------|----------------------|-----------|---------------------------------|
| University forum | <input type="text"/> | College forum | <input type="text"/> | | |
| NCC | <input type="text"/> | NSS | <input type="text"/> | Any other | <input type="text" value="12"/> |

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

- Swach Barath Abhiyan
- **Tree Plantation**
- **Blood Donation**
- **Save Energy Concept**
- **Go Green Concept**
- **Distribution of Water filter, books, blankets at Govt. Schools at Yenkapally Village**
- **Save a Girl Child**
- **Consequences of Ragging Awareness**
- **Voluntary involvement of General Election 2014**
- **Road Safety Awareness**
- **Visit Rakshana Deepam an Orphan Centre on the occasion of Childrens Day 2014.**
- **Pollution Prevention Programme**
- **Anti Polio Drive**
- **Eco friendly Ganesha**

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

| S.No. | Additional Infrastructure Facilities Constructed/Renovated |
|-------|----------------------------------------------------------------------------------------------------------|
| 1. | An additional floor has been added to New Admin Block to improve the infrastructure for CIVIL Department |
| 2. | A state of the art air-conditioned auditorium has been renovated with seating capacity of 250. |
| 3. | Renovation of Examination Branch |
| 4. | Renovation of Administrative office |
| 5. | Renovation of Principal Office |
| 6. | Construction of Microsoft Innovation Center |
| 7. | Construction of sqft Workshop for Miming department |
| 8. | Construction of sqft Workshop for Mechanical department |
| 9. | Modernization of Computer Labs |
| 10. | Setting up of R&D Lab |
| 11. | Basket Ball Court / Convertible Auditorium |
| 12. | Cloud Innovation Centre |
| 13. | Renovation of Placement Cell |
| 14. | Construction towards Maintenance of Sewage System |
| 15. | Renovation of CPDS Lab |
| 16. | Construction of sewage treatment plant |
| 17. | Establishment of meditation centre |

| | |
|----|------------------------------------------------------|
| 18 | Renovation & up-gradation of Central Canteen |
| 19 | Construction of EDP Cell |
| 20 | Construction of new Mining & Mechanical Laboratories |

| Facilities | Existing | Newly created | Source of Fund | Total |
|-----------------------------------------------------------------------------------|----------|---------------|----------------|-------|
| Campus area | | | | |
| Class rooms | | | | |
| Laboratories | | | | |
| Seminar Halls | | | | |
| No. of important equipments purchased (\geq 1-0 lakh) during the current year. | | | | |
| Value of the equipment purchased during the year (Rs. in Lakhs) | | | | |
| Others | | | | |

4.2 Computerization of administration and library

10 computer systems are having with standard configuration and networking with LAN and Internet connection for smooth flow of office admin work. Library consist of 40 systems with high configuration and digitalized resource material with NPTL.

FACILITIES OF THE LIBRARY:

- **Delnet e- Facility**
- **Digital Library**
- **Internet Access Facility**
- **Reference Section**
- **SC & ST Book Bank**
- **Reading Section**
- **Reprographic Services**
- **Scanner and Printer**
- **UPS Back up Facility**
- **Bar code Facility**
- **15 Departmental Libraries**

DIGITAL LIBRARIES (TPED) FEATURES

- **Stanford University (AV Lectures & Notes)**
- **UC Berkely University (AV Lectures & Notes)**
- **MIT University(AV Lectures & Notes)**

- NPTEL(AV Lectures & Notes)
- Digital Library e - Journals (7531)
- Delnet e - Journals (Engineering & MBA)
- Delnet Member (ILL)

4.3 Library services:

| Year | Expenditures | | | | Comments |
|-------------|--------------|-----------------------------------------------|-------------------------------------------------------|-------------------|--------------------|
| | Book | Magazine/ Journals (for hard copy | Magazine/ Journals (for soft copy subscription) | Misc. Contents | |
| CFYm2 10-11 | 18,29,952 | 1,52,000 | 5,56,348 | 1,45,000 | Invoices Available |
| CFYm1 11-12 | 12,11,265 | 2,27,263 | 1,05,000 | 54,500 | Invoices Available |
| CFY 12-13 | 7,66,109 | 2,01,148 | 1,05,000 | 63,000 | Invoices Available |
| CFY 13-14 | 532793 | 2,01,033 | 1,21,500 | 7,31,433 | Invoices Available |
| CFY 14-15 | 20,17,111 | 4,11,384 | 1,34,832 | 5,13,305 | Invoices Available |

| LIBRARY/ INFORMATION CENTRE RESOURCE DESCRIPTION | | |
|--------------------------------------------------|------------------------|-------------------------------------------------------------|
| 1 | Total No of Volumes | 66074 |
| 2 | No. of Titles | 11918 |
| 3 | No. of Reference Books | 11524 |
| 4 | No. of Journals | 174 (National : 152,International : 22) |
| 5 | E-Journals | Digital Library With 3939 E-Journals + Delnet Membership |
| 6 | Multimedia | 40 Computers |

| JBIET LIBRARY INVENTORY OF BOOKS | | | | |
|-----------------------------------------|-----------------|----------------------|---------------------|------------------------|
| S.NO | BRANCH | TOTAL VOLUMES | NO OF TITLES | No. of Journals |
| 1 | EEE | 5874 | 1210 | 12 |
| 2 | MECH | 5544 | 1260 | 12 |
| 3 | ECE | 7413 | 1460 | 12 |
| 4 | CSE | 7562 | 1405 | 12 |
| 5 | IT | 6058 | 1018 | 12 |
| 6 | BME | 1879 | 430 | 6 |
| 7 | CIVIL | 4148 | 411 | 7 |
| 8 | MINING | 511 | 103 | 5 |
| 9 | BIOTECH | 1258 | 250 | 12 |
| 10 | M.TECH(EPS) | 915 | 353 | 5 |
| 11 | M.TECH(CSE) | 1015 | 359 | 5 |
| 12 | M.TECH(VLSI) | 985 | 309 | 5 |
| 13 | M.TECH(S.E.) | 779 | 256 | 5 |
| 14 | M.TECH(CAD/CAM) | 568 | 156 | 12 |
| 15 | MBA | 7767 | 1269 | 28 |
| 16 | MCA | 4058 | 397 | 6 |
| 17 | S&H | 9102 | 884 | 12 |
| 18 | GENERAL BOOKS | 638 | 388 | 6 |
| | TOTAL | 66074 | 11918 | 174 |

| | Existing | | Newly added | | Total | |
|------------------|----------|-------|-------------|-------|-------|-------|
| | No. | Value | No. | Value | No. | Value |
| Text Books | | | | | | |
| Reference Books | | | | | | |
| e-Books | | | | | | |
| Journals | | | | | | |
| e-Journals | | | | | | |
| Digital Database | | | | | | |
| CD & Video | | | | | | |
| Others (specify) | | | | | | |

4.4 Technology up gradation (overall)

| | Total Computers | Computer Labs | Internet | Browsing Centres | Computer Centres | Office | Departments | Others |
|----------|-----------------|---------------|----------|------------------|------------------|--------|-------------|--------|
| Existing | | | | | | | | |
| Added | | | | | | | | |
| Total | | | | | | | | |

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

4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities

iii) Equipments

iv) Others

Total :

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Regular information is sharing with the students about progress of the student, placement requirement, skill development etc for the betterment of the Institution & future of the student and setting a track of win-win situation.

5.2 Efforts made by the institution for tracking the progression

Regular 360 degree feedback is taking from various levels, Open House forum with faculty and students, heads and faculty, heads & Management, Parents and College on a annual basis.

5.3 (a) Total Number of students

| UG | PG | Ph. D. | Others |
|------|-----|--------|--------|
| 3120 | 594 | -- | --- |

(b) No. of students outside the state

25

(c) No. of international students

nil

| | | | | | |
|-----|----|---|-------|----|---|
| Men | No | % | Women | No | % |
| | | | | | |

| Last Year | | | | | | This Year | | | | | |
|-----------|----|----|-----|-----------------------|-------|-----------|----|----|-----|-----------------------|-------|
| General | SC | ST | OBC | Physically Challenged | Total | General | SC | ST | OBC | Physically Challenged | Total |
| 136 | 82 | 31 | 274 | 02 | 658 | 83 | 54 | 29 | 218 | 01 | 498 |

Demand ratio

Dropout % 01

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

In house CRT programme is organized on half yearly basis. Expert like Mr. Anil Nair coaching classes on Analytical & Aptitude Oriented Coaching. In House Pre-Placement drive organized by Management faculty for III & IV yr students.

No. of students beneficiaries

106

5.5 No. of students qualified in these examinations

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

5.6 Details of student counselling and career guidance

Various Counselling session organized for the UG & PG students on regular intervals. Counselling sessions like Behavioural Counselling, Psychological Counselling, Academic Improvement Counselling, career oriented counselling, Social Awareness sessions. Self Defence Counselling for girls etc.

No. of students benefitted

74

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 |
| 31 | 335 | 152 | 76 |

5.8 Details of gender sensitization programmes

- Women Empowerment Cell conducted one day seminar “**Success Stories of women in Careers of Nation Building**” 27th December, 2014 at M.N.R. Auditorium organized by Women Empowerment & Protection committee.
- On behalf of 29th Indian Engineers congress The Institution of Engineers (India) organized “Role of women Engineers in Technological innovations for nation Building” at Visvesvaraya Bhava, Khairtabad, Hyderabad on 20th December ,2014.
JBIET faculty Dr. P.Kameswari and Dr. Sultana jointly published paper in the journal.
- JBIET students performed cultural programme at The Institution of Engineers (India) Visvesvaraya Bhavan, Khairtabad,Hyderabad on December 18-21, 2014.

- Girls students of JBIET attended and received certificate on Self Defense course organized by IPE (Institute of Public Enterprise), Hyderabad.

Girls students of JBIET attend Martial Arts for self defense in Bhaskar Medical College Auditorium.

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 : 173

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 | | |
| Financial support from government | 1693 | 6,17,66,500 |
| Financial support from other sources | | |
| Number of students who received International/ National recognitions. Note: Management is awarding Gold Metal to the Branch Topper, Year Topper & Subject Topper on the occasion of Annual Day Celebrations. | | |

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: **05**

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision:

To nurture excellence in various fields of engineering and professional courses by imparting timeless core values to the learners and to mould 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 inquiry.

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.

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

6.3.1 Curriculum Development

Every six months BOS Meeting is schedule to update / Upgrade the curriculum and syllabus for UG & PG Programmes as per the Industry Requirements.

6.3.2 Teaching and Learning

Faculty are upgrading the ASK Model (Attitude Skill Knowledge) by attending / participating in the FDP programmes at In-House / Out House programmes.

6.3.3 Examination and Evaluation

- Academic Calendar prepared before the starting of the academic session
- Maximum marks for each subject is 100. 75 Marks reserved for the End Semester Examinations, 20 marks are allotted for the Mid Examinations and 05 marks awarded for the Open Book Assignment. Two Mid Examinations schedule for each semester. First Mid examination is conducted in the last week of the second month by covering 4 units. Second Internal examination will be in the last week of the 4th month after completion of teaching sessions. Unit 5 to Unit 8 will be the syllabus for the mid exam.
- 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.

6.3.4 Research and Development

Research and development

Faculty members are encouraged to pursue research by providing them the facilities like individual system, Wi-Fi connection, digital library, equipments and laboratory. Faculties are encouraged and allowed to avail on-duty leave to attend the seminars, research activities etc.

Most of the faculties publish research articles in National & International Journals. Institute encourages faculty as well as students by allowing them to present their papers inside and outside countries. Institute encourages innovation among students by providing them incubation facilities.

The college has identified following areas in its various departments for achieving excellence in Research & Development

6.3.5 Library, ICT and physical infrastructure / instrumentation

- College is having state of art Digital library with grant from TPED USA providing on line NPTEL courses /MIT open/EDX/Virtual Classroom/Mind Maps/Video Material.
- Faculties are encouraged to use computers in class rooms for power point presentations and for preparing lesson plans and learning materials.
- Smart class rooms with LCD projectors, interactive boards, OHP and computers are available.
- College is conducting Subject Expert webinars.
- Staff rooms are facilitated with computers and Internet.
- College is maintaining a data base of objective questions of all courses which is used for conducting online examinations. Students can check his level in each course after the assessment.
- College management system implemented for uploading lesson plan, subject plan, online assessment etc.

The calendar of college events is displayed on the college web site.

6.3.6 Human Resource Management

The back bone of JBIET is the manpower, which consist of Gen X, Gen Y and Gen Z people. Self Motivated, Quick Learner, Self Starter and passion towards Teaching. Well supported by Non-Teaching / Technical Staff. Handholding by the management.

6.3.7 Faculty and Staff recruitment

As an when there is a necessary of Teaching staff, Advertisement releases in the leading News Paper, College Website and ERP (Employee Referral Programmme). Selection will be done by screeing the CV of the candidate, Lecture Demo, T & C Agreement. Final selection will be done by the Selection Committee as per the JNTU Norms. Selected candidate ratified by the JNTUH.

6.3.8 Industry Interaction / Collaboration

JBIET is having 34 MoUs with leading industries from different sectors. Meeting Regularly on sharing Knowledge Gaps, Industry Expectations, Project hiring, Placements etc.

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 | |
| Non teaching | |
| Students | |

- Free Medical facility is extended to all the employees & students of JBIET.
- Accidental Insurance to all the Students of JBIET, premium paid by the management.
- Transportation facility provided to the staff members who ever want to avail the bus facility.
- Residential facility is provided to the required staff member.
- Group Insurance scheme is introduced to staff members.
- Career Advancement Scheme introduced to the performer and also who wish to pursue the higher studies.

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 | √ | UGC , JNTUH, NAAC, NBA | √ | A.C, BOG, IQAC |
| Administrative | √ | Chartered Accountant & AFRC, Scholarship Department. | √ | Account Dept of Head Office & Chartered Accountant |

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?

R13 & R14 Academic Regulations adopted by the JBIET as per JNTUH Norms.

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

Parent University & UGC is continuously monitoring the progress of the autonomy granted to JBIET from Time to Time and Instructions / Suggestions are incorporated.

6.11 Activities and support from the Alumni Association

Conference Room to Class Room interaction with the Alumni of the JBIET to discuss the trends in the Industry, industry expectations, job opportunities, live project works and also discuss the gap between the industry expectations and college produces. Remedies taken to bridge the gap. Alumni Meeting held once in a year.

6.12 Activities and support from the Parent – Teacher Association

Parents Teachers Meeting is arranged on a yearly basis. Parents are placing their opinions, suggestions and enquiring about their wards performance.

6.13 Development programmes for support staff

- 1) Knowledge upgradation programmes – FDP
- 2) Skill Development workshops / seminar on Regular Basis
- 3) Games & Sports programmes for staff and students

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

- 1) Save Water – Save Energy programme – Energy audited done by EEE Dept.
- 2) Each One – Plant One Tree Plantation programme
- 3) Proper disposal of E-Wastages / Human Wastage and other
- 4) Plastic Free Environment, Userfriendly consumption of daily needs.
- 5) Planning to go for Solar Energy System

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.

- 1) Establishment of SMART CLASSROOM
- 2) Un Interrupted WiFi Internet Connectivity in the Campus
- 3) Teacher & Student participation in the WEBINAR
- 4) Usage of LCD Projector
- 5) Training Programme for First Year students on YOGA, Soft Skills etc.
- 6) Students Centric Two-Way Teaching
- 7) Office Automation
- 8) Library Automation
- 9) Closely monitoring of Academic, Non Academic progress by various Deans
- 10) Raise of Voice by Girls - Women Protection Cell & Women Empowerment Cell established.
- 11) Innovations in R&D – JBR Research Review started
- 12) Various Innovations Centres Established such as MIC (Microsoft Innovation Centre), Cloud Computing Centre, CRESE (Centre for Robotic & Embedded Systems Excellence)
- 13) BAJA – Society of Automobile Engineering

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

The following Action Taken Report for the year 2014-15.

1. Seminars / workshops / FDP conducted during the year 2014-15 on various titles from one day programme to one month programme.
2. Students Counselling started to understand the psychology of the students
3. One To One interaction with the students regarding their career, problems and any other issues.
4. T2 To T2 (Today's Topper To Tomorrows Topper) – Address by Seniors to Juniors on examination preparation.
5. Training provided to the students on SOFT SKILL DEVELOPMENT from expert personalities.
6. Faculty Strength increased by recruiting senior faculty in each department
7. GD Sessions, Mock Interviews, Know Your Industry programmes conducted to all UG & PG (MBA & MCA) students.

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

- 1) Attraction & Retention of Think Tank Talent faculty
- 2) Adopted various strategies to produce Qualified & Satisfied students and responsible human beings.

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

7.4 Contribution to environmental awareness / protection

1. Go Green Concept rally organized in the college
2. Tree plantation programme organized on the occasion of 1st death anniversary of our beloved chairman Sri. J. Bhaskar Rao Garu
3. Swatch Bharat Abhiyan Programme organized in the campus.
4. Say No to PLASTIC – Causes & Effect of consumption of plastic
5. Road Safety Measures awareness – Use Helmet – Protect your Head
6. Reduce movement of vehicles inside the campus to avoid pollution

7.5 Whether environmental audit was conducted? Yes ✓ No

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

SWOC ANALYSIS

Strengths, Weaknesses, Opportunities and Challenges:

1. JBIET is co sited with Pharmacy & Medical college. There is tremendous quality research in the area of BME in forensics software, drug modelling discovery and prosthetics.
2. JBIET is situated in the rural area with dense population involved in agriculture around it. We provide opportunity to do research in the area of agriculture, sanitation & rural infrastructure development and maintenance.
3. JBIET is having MOUs with 34 private and public institutions of repute. As most of the institutions are involved in research & development, JBIET can benefit immensely with these associations.
4. JBIET is having large amount of high skilled & qualified resources in the area of Mechanical, EEE, CSE/IT & ECE. These resources have already proven themselves in doing good research. As many of them are already Ph.D and Ph.D. students are under them.
5. JBIET is situated in Hyderabad which is IT hub, hub for electronics manufacturing & defence related research. This create unique approach for JBIET to be involved in cutting edge research.
6. JBIET gets students from EAMCET. Most of the students coming to JBIET are having rank better than 20,000. These students are focused and willing to take engineering as profession. It adds to JBIET standard to held good students.
7. JBIET is having Vidia Kepler CUDA clustered Super Computer which is being used for various research purposes which improves the ability of faculty and students in the area of simulation & modeling.
8. JBIET is having student chapter of many professional bodies ike SAE, IEEE, IETE,ISTE,ACM & CSI. These provide good opportunities to students to get exposed to eminent speakers & participate in various events organized by these prestigious bodies.
9. JBIET is having charter of social responsibilities. There are several NGOs like Rotract, Bhoomi, Disha, Nirman etc. are working under students of JBIET.
10. Free Accidental Insurance to all the students of JBIET.
11. Award of Gold Medal to the meritorious students
12. Good Track Record of Campus Placements
13. Strong Network of Industry Institute Interaction
14. Green & Eco Friendly environment spread on 106 acres of land
15. Feedback from all stakeholders for quality enhancement.

WEAKNESS

- Need to further improve in R&D Activities. Moreover there is need to create under involvement in R&D.
- Consultancy projects need to be focus
- Some of lab equipments need to be upgraded with latest models
- Most of the students are lacking communication skills & fail to perform to their potential at Recruitment Drives.
- As 60% students are getting Govt. Scholarships mainly from the Govt. of Telangana state, any delay in scholarship reimbursement create greater financial difficulty
- Placement is still less than gainful employment to 100% eligible students.
- As AFRC has kept fee to a very owl eve of Rs. 48900 per year paying salary consumes most of revenues, hereby little for expansion of R&D.
- In Govt. services there are very few JBIET students. There is an immediate need to improve there.
- Alumni network is weak and requires strengthening and regular connection.

OPPORTUNITIES

- Collaboration with Foreign / Other Universities.
- Growth potential for Core Engineering branches i.e. Mining, Civil ECM etc.
- To increase in much more advance technique in Teaching & Learning Pedagogy.
- To attract and retain the best teaching talent with more freedom.
- To achieve Deem University status
- More job opportunities for UG & PG Graduates in near future
- To upgrade the syllabus as per the industry demands

CHALLENGES

- Booming of more universities / Autonomous colleges, Survival of the fittest.
- Passed Graduates Employability
- Getting admissions/filling seats in each branch of the college – Demand & Supply a major challenge in the days to come.
- Gaps to be filled in the Industry Expectations for fresh brains
- Retention of Talented Faculty is a major challenge

8. Plans of institution for next year

FUTURE PLANS OF THE ORGANIZATION

FUTURE PLANS OF JBIET

- 1) Up gradation of Labs in phase wise manner.
- 2) Hostel facility need to be improved
- 3) Digitalization of Class Rooms with CCTV Cameras
- 4) Strengthening the process of Deem University
- 5) More Focus on Employability Skills by providing training programmes on continuous basis
- 6) Employee Engagement Programme need to be initiated
- 7) Innovation in Teaching Learning with Technology & Edutainment
- 8) Focus on Community Development programmes by various methods such as, Tree Plantation, Blood Donation Camps, Free Health Check Up, Donating Study material to the needy school (specially ZPHS, Govt. Schools, Orphan Centre etc.) in the nearby area
- 9) MOU with National Skill Development Programme

Name _____

Name _____

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

_____***_____

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 |
