

## 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	Padmasri Dr. B.V.Raju Institute of Technology
1.2 Address Line 1	Vishnupur
Address Line 2	Narsapur
City/Town	Medak Dist
State	Andhra Pradesh
Pin Code	502313
Institution e-mail address	bvrit@bvrit.ac.in
Contact Nos.	08458 222000
Name of the Head of the Institution:	Dr. Ch. Venkateswarlu
Tel. No. with STD Code:	08458 222000
Mobile:	9949418745

Name of the IQAC Co-ordinator:

Prof. Ashok Shigli

Mobile:

8466942999

IQAC e-mail address:

bvrit@bvrit.ac.in

1.3 NAAC Track ID (For ex. MHC0GN 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)

EC/56/A&A/047 dated:16.09.2011

1.5 Website address:

www.bvrit.ac.in

Web-link of the AQAR:

<http://bvrit.ac.in/images/Articles/Academics/Annual%20Quality%20Assurance%20Report%202013-2014.pdf>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B	2.72	2011	5
2	2 <sup>nd</sup> Cycle				
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

03/03/2011

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

2013-14

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 2011-12 submitted to NAAC on 21/01/2017
- ii. AQAR 2012-13 submitted to NAAC on 21/01/2017

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)

JNTU, 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"/>		
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"/>
UGC-COP Programmes	<input type="text"/>		

## **2. IQAC Composition and Activities**

2.1 No. of Teachers	<input type="text" value="8"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="3"/>
2.3 No. of students	<input type="text"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2.6 No. of any other stakeholder and community representatives	<input type="text"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="1"/>
2.8 No. of other External Experts	<input type="text"/>
2.9 Total No. of members	<input type="text" value="14"/>
2.10 No. of IQAC meetings held	2
2.11 No. of meetings with various stakeholders:	
	No. <input type="text" value="5"/> Faculty <input type="text" value="2"/>
Non-Teaching Staff	<input type="text" value="1"/>
Students	<input type="text" value="1"/>
Alumni	<input type="text" value="1"/>
Others	<input type="text" value="1"/>

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

1. Two day workshop on Ethical values in Engineering Education
2. Two day seminar on Autonomous system and its effectiveness

2.14 Significant Activities and contributions made by IQAC

1. Motivated and prepared the staff to take up Autonomous status to the college
2. Conduction of technical conferences/seminars/workshops/guest lectures
3. Assistance in Campus Placement Training activities
4. Holding the Parents meets, Alumni Meet
5. Devised the course plan and faculty are encouraged to prepare the course file for each subject

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
Maintaining Good Results	College attained 90% success rate
Organising Guest lectures	Guest lectures from eminent scholars are regularly conducted by various departments
Enhancement of Infrastructure	New library block was constructed
Extension programs	The management encouraged all the departments to organise, conduct and participate in social and community reach-out programs
Focus on Research	The college is providing support in terms of infrastructure, fund, FIP leave, etc to the Faculty.
student feedback on teachers	Student's feedback on teachers are taken during the end of each semester

Communication Skills Enhancement drive	Training classes have been conducted for hostel students
To employ career guidance and placement measures for final year students.	Arranged campus interviews CRT Training, Gate training, AMCAT
To encourage various departments to apply for major and minor projects.	Various departments have submitted their proposals for major and minor projects.

*\* 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

## 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	0		
UG	8	0		
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
<b>Total</b>	16	0		
Interdisciplinary				
Innovative				

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

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

Pattern	Number of programmes
Semester	16
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.

Yes, JNTU introduced R13 Syllabus

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
	237	186	23	28	0

2.2 No. of permanent faculty with Ph.D.

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
	10	0	0	0	0	0	0	0	10	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	13	14	0
Presented papers	20	25	0
Resource Persons	0	1	0

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

LCD & OHP Projectors, Digital Library, Hospital visits, NPTEL Videos, Conducted VMOOC, Plant visits, Creative writing exercises. Video Lectures, Guest Lectures, workshops.

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

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

2.10 Average percentage of attendance of students



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	590	68.16	29.87	1.97	0	94.75
M.Tech	142	75.94	24.06	0	0	93.66
MCA	57	84.21	15.79	0	0	84.21
MBA	58	37.74	62.26	0	0	91.38

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

- Every Department shall have a Quality Cell for continuously up dating information and supplying the same to IQAC at the central level.
- Quality circles to share department best practices
- The Departmental Quality cell shall have one Professor (who will act as the Coordinator), one Associate Professor and one Assistant Professor.
- The Quality Cell at the departmental level shall prepare the roadmap of qualitative teaching and Research.
- Feedbacks are studied and improvements are suggested
- Syllabus coverage is monitored
- The members shall be nominated by the PPC of the department

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	2
UGC – Faculty Improvement Programme	4
HRD programmes	8
Orientation programmes	4
Faculty exchange programme	1
Staff training conducted by the university	7
Staff training conducted by other institutions	29
Summer / Winter schools, Workshops, etc.	48
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	24	0	0	0
Technical Staff	43	0	9	0

## Criterion – III

### 3. Research, Consultancy and Extension

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

The following initiatives are suggested by the IQAC to sensitize / promote research climate in the institution.

❖ **Autonomy to the principal Investigator**

The Principal investigators of various sanctioned projects are given full autonomy in executing the project as per the guidelines of the funding agencies.

❖ **Well-timed availability of resources**

College provides all facilities and maintains timely release of project funds for completion of the project and also supported with adequate infrastructure and human resources College recruited senior faculty possessing Ph.D degree who are competent to take up and guide research projects.

❖ **Enhancement of library facilities**

Library is equipped with online national and international journals, digital library, hand books, reference books and material related to research activity.

❖ **Reduced teaching load**

For effective completion of projects within the stipulated time frame, faculty members working on research projects are given reduced teaching work load and academic leave for attending the workshops/seminars relevant to their research projects.

❖ **Incentives**

To encourage the faculty towards research activities certain incentives are introduced like Cash awards, permission to utilize the laboratories, library, computer centre and software for carrying out their research projects, assistance in patent submission, subscribes to research journals to strengthen the library with latest journals, reference books and text books etc.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	5		
Outlay in Rs. Lakhs	8.6	26.07	13.32	

3.3 Details regarding minor projects :

	Completed	Ongoing	Sanctioned	Submitted
Number				3
Outlay in Rs. Lakhs				7.88

3.4 Details on research publications

	International	National	Others
Peer Review Journals	62	14	
Non-Peer Review Journals	2		
e-Journals			
Conference proceedings	27	41	

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 (Years)	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2012-15	DST-CSI		7.42
	2012-15	DST_WOS-A		5.00
	2012-15	DST-BSH		3.85
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				16.27

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	1	1			
	Sponsoring agencies	SVES	SVES			

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	1
		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					

3.18 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  State level   
National level  International level

3.24 No. of Awards won in NCC:

University level  State level   
National level  International level

3.25 No. of Extension activities organized

University forum  College forum   
NCC  NSS  Any other

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

- Conducted career workshop for school children

## 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	32531.14	3907.36	BVRIT	36438.5
Class rooms	4752	581	BVRIT	5333
Laboratories	6538	535	BVRIT	7073
Seminar Halls	1353	-	BVRIT	1353
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	32	5	-	37
Value of the equipment purchased during the year (Rs. in Lakhs)	59.11	22.01	BVRIT	81.01
Others	-	-		-

#### 4.2 Computerization of administration and library

Surveillance System is partially implemented in the Campus.

Central Library is housed in a spacious building with the carpet area of 820sqm. At present we have 46745 volumes and access to 1040 International Journals.

OPAC is available to search availability and status of books. Indexing is available.

e-books and online journals are available and library is kept open from 08am to 11pm for hostellers.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	45945	14039367	800	352484	46745	14391851
Reference Books	8576	4206224	296	128606	8872	4334830
e-books	476		297		773	
Journals	881	1357212	159	313283	1040	1670495
e-journals	3542	1372306	205	603368	3747	1975674
Digital Database	1	20000			1	20000
CD & Video	1230		475		1705	
Others (Specify)						

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1020	11	1020	11	1	10	17	---
Added	135	2	135	--	--	--	--	---
Total	1155	13	1155	11	1	10	17	---

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

Content server : Course file ,old Question papers, Lecture Notes , Objective Question for Campus placements has been developed with the help of E-cap (Collage Automation Software).

4.6 Amount spent on maintenance in lakhs :

i) ICT	35.53
ii) Campus Infrastructure and facilities	30.64
iii) Equipments	17.84
iv) Others	3.16
<b>Total :</b>	55.2

## **Criterion – V**

### **5. Student Support and Progression**

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The IQAC schedules its meetings and monitors the effective delivery of services offered to students and reviews the following:

- Training and Placement Activities. In the academic year 2012-13, the institute could provide 282 placements to the students and in the academic year, 306 students were placed.
- Effective Student Mentoring System to understand the student grievances.
- Grievance Redressal Cell
- Anti-Ragging Committee
- Social Welfare Scholarships Details and the Disbursement of amount to deserving students

5.2 Efforts made by the institution for tracking the progression

- The institution reviews the accomplishments of the learning outcomes of courses and programmes through continuous assessment (direct and indirect assessment)
- The institute monitors the regularity of the students to classes and their academic performance using E-Cap. The Head of Department and Class In-charges can monitor the students' performance and intimate the same to the parents through SMS.
- The mid-term examinations and end semester examinations are conducted and the progressions of the students are monitored at the department level by the head of department (through Department Evaluation Committee) and the special care is taken on slow learners.
- The remedial classes are conducted for the slow learners and bridge classes are conducted for the Lateral Entry Students
- The performance of the students is communicated to parents through SMS and parent-faculty meetings are held. In some extreme cases, parents are summoned by the Head of Department.



- The institute provides intensive training for the recruitment drives and also introduced V-Cap in the regular time table for the II, III and IV B.Tech students.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
789	228	-	-

(b) No. of students outside the state

4
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(c) No. of international students

-
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Men	No	%	Women	No	%
	627	61.65		390	38.35

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
464	95	32	437	0	1028	430	91	30	466	0	1017

Demand ratio As per the norms of EAMCET counselling Dropout % Nil

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

- Along with the CRT classes conducted to the IV B.Tech Students, special technical classes are also conducted by the senior faculty.
- The institute also introduced a special class (V-Cap) for the II and III B.Tech Students to provide them the additional knowledge all the courses required for the placements.
- The Mentor-Mentee system is maintained and each mentor is assigned 20 students. The mentor monitors the academic performance as well as the additional interests of the student.
- Guest lectures are conducted to students on Career Guidance and invited talks are also arranged.

No. of students beneficiaries

170
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5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	37	CAT	2
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text"/>	UPSC	<input type="text"/>	Others	124

### 5.6 Details of student counselling and career guidance

- Alumni are invited to discuss with the IV B.Tech Students regarding the career prospects.
- The mentor-mentee system facilitates the students in addressing their academic problems, encouraging them to excel and motivates them towards higher education and career development.
- Parents of these students are updated about the performance by their respective mentors by meetings and communication through SMS and Mails.

No. of students benefitted

1769

### 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
57	478	159	151

### 5.8 Details of gender sensitization programmes

- A one day workshop is conducted on Women in Software Engineering.
- Awareness programme for girl students on “Food and Nutrition” is arranged.

### 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		
Financial support from government	587	19502800
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: \_\_\_\_\_

## Criterion – VI

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

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

##### **Vision**

To create and nurture competent engineers and managers who would be enterprise leaders throughout the world with a sound background in ethics and societal responsibilities.

##### **Mission**

We are committed to providing a positive and professional learning environment where all students are inspired to strive for excellence in becoming competent engineers, technology innovators and leaders in a global society through a cohesive network of parents, students, college staff and industry.

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

Yes. The Institution uses the Management Information System named as Engineering Institution Automation Package (ECAP), developed by Webpros Solutions Pvt. Ltd., Visakhapatnam, A.P., which has the following Salient Features:

1. It is an Internet enabled Application
2. It enables the maintenance of student and staff profiles
3. It enables editing and accessing of data of attendance of students.
4. It enables Attendance and Marks Analysis
5. It has Barcode Integrated Library Module
6. It enables Staff and Students to access data online
7. It has Payroll Integrated Staff Module

8. It enables Attendance Reminders
9. It increases transparency and accountability in administration

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

#### 6.3.1 Curriculum Development

The Institution is affiliated to Jawaharlal Nehru Technological University, Hyderabad and hence it adopts the Curriculum developed by the University cited above. However, the faculty members ensure that the students get exposed to the contents beyond the syllabus through the methodologies like assignments, mini-projects, seminars, workshops, etc.

#### 6.3.2 Teaching and Learning

The following Quality improvement Strategies were adopted by the institution with regard to Teaching and Learning:

- ❖ Session Plans and Micro-Sessions plans were prepared by the faculty members and the same were verified by the respective Heads of Departments.
- ❖ Course Materials were prepared by the faculty members and the same were thoroughly verified by the respective Heads of Departments.
- ❖ Slips Tests, Unit Tests, Quizzes etc. were conducted by the Faculty Members to ensure that the students understands the concept in the curriculum in an efficient and effective manner.
- ❖ Feedbacks were taken by the respective Heads of Departments from the students with the regard to the performance of the Faculty members and the Faculty were counselled, if necessary.

#### 6.3.3 Examination and Evaluation

Since the institution is affiliated to Jawaharlal Nehru Technological University, Hyderabad, the Year End Exams and Semester End Exams are conducted and the same are evaluated by the above cited University. The Marks Memos are also awarded by the University.

In every semester, two mid-term or internal exams are conducted by the Institution. In the mid exams, the Objective and Multiple choice question papers are set by the University, where as the descriptive question papers are set by the faculty in the institution. Evaluations of the Mid exams are done by the faculty in the institution and the marks are uploaded in the web site of the Institution.

In each internal assessment, 10 marks are allocated for Descriptive questions, 10 marks are allocated for Objective and Multiple Choice questions and 5 marks are allocated for Assignments.

#### 6.3.4 Research and Development

Quality improvement strategies adopted by the institution for Research and Development include the following:

- Institute is directly funding research projects
- Research publications and guiding research is counted for promotion
- Special Laboratories and Centres for Excellencies have been setup for research
- The Institute funds faculty to participate in conferences /workshops/symposia.
- The institute encourages students to participate in International/National competitions.
- Invited talks of experts from reputed International/National institutions are arranged.
- Thrust areas for research within the departments are identified and faculty members are grouped to work on the thrust areas, based on their expertise. Students are encouraged to publish papers in journals and conferences.

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

Quality improvement strategies adopted by the institution for Library, ICT and physical infrastructure / instrumentation include the following:

- Library is fully automated with a software a package
- The E-Learning Centre in the library provides access to Digital Knowledge Archive.
- Classrooms, Seminar Halls and Conference Rooms are equipped with Computers and LCD Projectors.
- Internet connectivity has been provided for both staff and students
- Wi-Fi connectivity to the staff members & students Uninterrupted power supply (UPS) is arranged to the systems in the campus
- The campus is located in 110 acres of land
- Round the clock internet connectivity with 56 mbps (leased line) speed both for staff and students Wi-Fi connectivity to the staff members & students

### 6.3.6 Human Resource Management

Quality improvement strategies adopted by the institution for Human Resource Management include the following:

- Audit was conducted with regard to the availability of staff, the need of rank and cadre is identified, and the necessary staff were recruited as is done every year
- The Orientation Programme was conducted for the staff after they were recruited in the College.
- They were sent to various training and development programmes in and outside the campus.
- A number of measures such as EPF, Group Insurance, Health Insurance, etc. were taken for the welfare of the staff.
- The Grievance Cell was operated actively to resolve the issues with regard to Human Resource Management

### 6.3.7 Faculty and Staff recruitment

Quality improvement strategies adopted by the institution for Faculty and Staff recruitment include the following:

Whenever the vacancies arise, faculty and staff are recruited, based on the educational qualifications, previous experience and personal interview .

In the process of recruitment , attitude and commitment are also evaluated along with knowledge. Faculty are recruited as per the norms, i.e., 1:15 for UG programmes and 1:12 for PG programmes.

The institution supports the faculty in attending various training programmes and national as well as international programmes, conferences, symposia, seminars, FDPs etc. organized in the emerging fields of their respective subjects and thus makes the faculty apt for reaching such programmes. Moreover study leave is provided for carrying out higher studies.

The other staff members are also encouraged to participate in the programmes which enhance the quality in their work.

### 6.3.8 Industry Interaction / Collaboration

Quality improvement strategies adopted by the institution for Industry Interaction / Collaboration include the following:

- The institution builds and maintains excellent rapport with the top management of various organizations and industries and forge collaborative industry-academia alliances.

- It Initiates Memoranda of Understanding with major companies, research agencies and institutions to fetch funded projects and bring about improvement in infrastructure and teaching methodologies to enhance exposure of students and faculty to industry practices and developments in technology.
- It facilitates visits by senior industry leaders for interaction with faculty and students.
- It secures sponsorships from industry for technical events like conferences, seminars, symposia, workshops and student contests through strategic relationships.
- It seeks the help of companies to spare working products / prototypes for academic demonstration purposes.
- It facilitates in-plant training, industry visits, summer and final semester internship for students across all disciplines and campuses.
- It solicits support from highly reputed companies each year for the Corporate Action Plan with respect to engineering, management, biotechnology and other disciplines.
- The departments have signed several Memoranda of Understanding (MoUs) with the industry, leading to mutual collaboration of institute and various industries.

### 6.3.9 Admission of Students

Quality improvement strategies adopted by the institution for Admission of Students include the following:

- \* The institution adopts the norms prescribed by the bodies such as State Government, JNTUH, AICTE, UGC etc. which improves the quality in admission of students.
- \* While admitting the students into the programmes such as B.Tech., M.Tech., MBA and MCA, in Category B / Management Quota, proper measures are adopted to ensure the quality in admission of students.
- \* The awareness programmes such as “Prospects of Management Education” are conducted for the UG students to motivate them to join the MBA programme offered by the institution.

### 6.4 Welfare schemes for

Teaching	Yes
Non teaching	Yes
Students	Yes

- ❖ The institution maintains a wellness centre by an MBBS Doctor and a well-trained Nurse for the benefit of staff and students.
- ❖ Appropriate arrangements are made to take the staff and students to the nearby hospital whenever advanced medical care is needed.
- ❖ Staff are provided with subsidized transportation / accommodation facilities.
- ❖ Cash Incentive are offered to staff for Publications in reputed journals
- ❖ Workload is reduced for faculty who are involved in research projects
- ❖ Students are also covered under Group Medical Insurance scheme

### 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	IQAC
Administrative	Yes	JNTUH	Yes	Internal Audit team

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?

The following efforts are made by the University/Autonomous Institution for Examination Reforms:

- The University appoints the observers to supervise the end semester/year exams and suggest the reforms thereby.
- The University conducts meetings with the staff of the constituent / affiliated colleges to discuss about the reforms.
- The University collects the feedback from the staff when it invites them for evaluation papers etc.

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

- Periodical inspections
- Participation of the college teachers in the events organized by the university
- Inviting the university experts for project reviews and other programs.

6.11 Activities and support from the Alumni Association

The Alumni Association contributes various services to the institution in general and to the students opting for higher studies and getting employment in particular.

Involvement of Alumni

- It involves in curriculum development
- It Conducts seminars for the students
- It Conducts interactive sessions for students and provides opportunities for students in worldwide universities
- It offers support in obtaining the projects for students
- Feedback for the Alumni is being continuously received for academic development and career opportunities for students
- It contributes books to the central and department libraries
- It offers information about placement/ job openings across the country
- It offers recommendations for curriculum modifications based on industry requirements
- It arranges Invited talks

6.12 Activities and support from the Parent – Teacher Association

The Parent-Teacher Association conducts the following activities

- It conducts frequent meetings
- It suggests the changes and modifications that are to be brought into the educational system
- It also initiates the measures for the all-round development of students in terms of attaining good scores in academics and placements.

#### 6.13 Development programmes for support staff

Support Staff Development Programmes (lectures/workshops/training programmes) are conducted regularly by the institution as a whole and by the individual departments. The areas covered by the training programmes include the following:

- Computer training
- Internet
- Audio-visual aids
- Computer aided packages
- New laboratory practices

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

The Initiatives taken by the institution to make the campus eco-friendly include the following:

- Huge landscapes are maintained by the institution in the sprawling campus.
- Hundreds of fruit and flower bearing plants/trees are grown in the campus
- Waste bins are placed throughout the campus
- Awareness programs were conducted for the students.
- Signboards bearing the messages of the importance of keeping the campus eco-friendly are placed inside the campus.

## **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.

- Performance enhancement of vertical axis wind turbines to suit Indian weather conditions
- 100kWp Solar PV Power Plant
- Telangana Tourism (Android APP)

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

- Established Embedded systems lab
- Faculty members have been encouraged to attend minimum of two faculty development programs within a academic year.

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



- Teaching Aids
- Catering to Diverse Needs
- Training Classes on “Personality Development and Soft Skills”.

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

**7.4 Contribution to environmental awareness / protection**

Erected 100KWP Solar PV Power plant. 276 tonnes of CO2 reduced per year making College more Environment friendly. Eco friendly activities already establish were taken forward for this year also.

7.5 Whether environmental audit was conducted?      Yes           

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

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

1. Plan to introduce M.Tech Program in Mechanical Engineering and one more M.Tech Program in Electrical& Electronics Engineering.
2. Get Autonomous status to institution by UGC
3. Wi-fi Connectivity in the entire campus
4. Implementation of mentoring system effectively.
5. Arranging more number of guest lectures
6. Expansion of infrastructure facilities
7. Focus on Placement & Training Activities
8. Introducing more rain harvest methods

