

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	Telengana
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%202014-2015.pdf>

1.6 Accreditation Details

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

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

03/03/2011

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

2014-15

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
- iii. AQAR 2013-14 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

UGC

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

8

2.2 No. of Administrative/Technical staff

3

2.3 No. of students

2.4 No. of Management representatives

1

2.5 No. of Alumni

1

2.6 No. of any other stakeholder and
community representatives

2.7 No. of Employers/ Industrialists

1

2.8 No. of other External Experts

2.9 Total No. of members

14

2.10 No. of IQAC meetings held 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

1. Two day workshop on Quality Assessment in Educational Institutes
2. Two day awareness program on CBCS curriculum

2.14 Significant Activities and contributions made by IQAC

1. Recommendation for autonomous status by UGC
2. Conduction of technical conferences/seminars/workshops/guest lectures
3. Assistance in Campus Placement Training activities
4. Holding the Parents meets, Alumni Meet
5. Publication of newsletter was regularised
6. IQAC is constantly evaluating the attendance of students as well as teaching learning process through feedbacks.

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
Introducing Autonomous System	Successfully implemented the autonomous system. Syllabus is modified as per the approval of BOS of each department. Examination system is strengthened.

Organising Guest lectures	Guest lectures, popular talks involving experts, scientists & eminent scholars are regularly conducted by various departments
Enhancement of Infrastructure	New separate Placement block was constructed
Extension programs	Blood donation camps, Rural plantation programme, mission Kaktiya programmes are organized.
Focus on Research	The college is providing support in terms of infrastructure, fund, FIP leave, etc to the Faculty.
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.	DST projects have been sanctioned. Special labs are established to intensify the research activities

** 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

AQAR was placed before the Governing body; after active discussions, incorporated valid suggestions. Governing body has approved the final report and gave sanction to forward the AQAR to NAAC.

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	2		
UG	8	0		
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	16	2		
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.

Yes, BVRIT introduced R14 Syllabus under Autonomous scheme

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

Yes- 1) M.Tech(ED) with 18 Intake, 2) M Tech(PE &ES) with 18 Intake

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	265	216	21	28	0

2.2 No. of permanent faculty with Ph.D. 28

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
	29	0	0	0	0	0	0	0	29	0

2.4 No. of Guest and Visiting faculty and Temporary faculty 30 10 0

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 180

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

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 80 110 0

2.10 Average percentage of attendance of students 81

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	702	65.44	31.03	3.53	0.57903	92.74
M.Tech	144	57.63	42.37	0	0	72.91
MCA	58	86.20	13.79	0	0	100
MBA	49	65.22	28.26	6.52	0	93.87

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	0
UGC – Faculty Improvement Programme	0
HRD programmes	1
Orientation programmes	100
Faculty exchange programme	0
Staff training conducted by the university	9
Staff training conducted by other institutions	87
Summer / Winter schools, Workshops, etc.	128
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	2	4	1	2
Outlay in Rs. Lakhs	13.35		49.86	

3.3 Details regarding minor projects:

	Completed	Ongoing	Sanctioned	Submitted
Number	0		3	3
Outlay in Rs. Lakhs	0		7.88	7.88

3.4 Details on research publications

	International	National	Others
Peer Review Journals	39	55	
Non-Peer Review Journals			
e-Journals	2		
Conference proceedings	38	46	

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	2012-15	DST-CSI	4.75	7.96
	2012-15	DST-WOSA		-
	2014-15	ITRA-CSE		4.75
	2012-15	DST		3.8
Minor Projects	2014-16	UGC	7.88	5.72
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>	2014-15	SVES	-	5.51
Any other(Specify)				
Total			12.63	27.74

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	
	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
4		1		3		

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

8

12

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

2

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

JRF 1

SRF 1

Project Fellows 2

Any other

3.21 No. of students Participated in NSS events:

University level 15

State level 4

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 1

NCC

NSS 1

Any other

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

- Donation for medical aid for a student and parent of our institute

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	36438.5	2,137.5	BVRIT	38576
Class rooms	5333	590	BVRIT	5923
Laboratories	7073	200	BVRIT	7273
Seminar Halls	1353	-	BVRIT	1353
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	37	33	--	70
Value of the equipment purchased during the year (Rs. in Lakhs)	81.12	44.13	BVRIT	125.25
Others	-	-		-

4.2 Computerization of administration and library

Central Library is housed in a spacious building with the carpet area of 1003 sqm. At present we have 46983 volumes and access to 1242 International Journals. Library housekeeping operations are computerized with SOUL Software and barcode is used for fast transactions. 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. They can access all the International journals with in the campus with unlimited number of users because the access is IP based.

4.3 Library services:

2014-15	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	46745	14391851	238	135223	46983	14527074
Reference Books	8872	4334830	105	54603	8977	4389433

e-books	773		375		1148	
Journals	1040	1670495	202	448847	1242	2119342
e-journals	3747	1975674	235	795800	3982	2771474
Digital Database	1	20000			1	20000
CD & Video	1705		578		2283	
Others (Specify)						

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1155	13	1155	13	1	10	---	--
Added	75	2	75	2	---		--	--
Total	1230	15	1230	15	1	10	--	--

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

Wi-Fi Facility: All faculty members who have laptops are provided free Wi-Fi and INTERNET connectivity.

4.6 Amount spent on maintenance in lakhs :

i) ICT

5.3

ii) Campus Infrastructure and facilities

49.88

iii) Equipments

29.59

iv) Others

5.15

Total :

89.97

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The student support systems were brought under Dean Academics and all the student support systems related activities are monitored by Dean Academics under IQAC. The following activities are reviewed by IQAC:

- Training and Placement Activities. In the academic year, institute could achieve a staggering 532 placements for students.
- Anti-Ragging Committee
- Canteen food is regularly monitored and other cafeterias and gym for students are established upon students request.

5.2 Efforts made by the institution for tracking the progression

- The institution is granted with the Autonomous Status by UGC and the syllabus is revised and few lab courses (to fill the gap of the industry needs) are introduced. The institute has also incorporated Gender Sensitization course.
- 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 by the Controller of Examinations 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
888	210	-	-

(b) No. of students outside the state

3

(c) No. of international students

-

Men	No	%	Women	No	%
	710	64.66		388	35.34

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
430	91	30	466	0	1017	506	92	41	459	0	1098

Demand ratio As per 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

126

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	36	CAT	2
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	95

5.6 Details of student counselling and career guidance

- 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.
- Resource Persons are invited to address the issues of the students with Career advancement.
- The III and IV B.Tech Students are given intensive training on GRE/TOEFL.

No. of students benefitted

2400

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
48	595	392	140

5.8 Details of gender sensitization programmes

- Awareness program for girl students by SP on Anti-Ragging and Sexual Harassment.
- On Women’s day celebration, a lecture was arranged on “Women Rights”

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	592	20661500
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
10. It provides an excellent suite of tools for teaching – learning process, including the provisions to share teaching materials and resources, course – related performance – reports etc.

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

6.3.1 Curriculum Development

During this academic year, the Institution obtained the status of 'UGC-Autonomous' Institution. With the guidelines of the Professors and others Officials in Jawaharlal Nehru Technological University, Hyderabad, feedback of Alumni, Students, Academicians, Industrialists, Parents and other stakeholders

and observing the trends in the industries and Economy as a whole, the Curriculum was discussed in the BOS-Meeting(s) and it was adopted as per the Resolution(s) passed by the Boards concerned to various Departments functioning in the Institution.

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.
- ❖ In addition, various kinds of activities such as workshops, seminars, model building competitions, paper presentations, etc. were conducted for all round development of the Students.
- ❖ 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

In this year, the institution has attained the status of 'UGC-Autonomous'. Both the Internal and External exams are conducted by the institution. Internal question papers are set by the faculty in the institution. Two sets of the External question papers are set and mailed confidentially by the experts working in other academic institutions. The institution gets them checked with the help of the moderator and selects one for the examination. However, the Marks Memos are awarded by the University.

In every semester, two mid-term or internal exams are conducted by 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

- 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.
- The institute Conducts faculty seminars in their research areas

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 48 mbps (leased line) speed both for staff and students
 - Wi-Fi connectivity to the staff members & students
- The Institution has subscribed to research databases

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
- The Performances of the faculty were assessed and some of them were counselled by the respective Heads of the Departments to ensure that the faculty whose performances were not on par with the standards.

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. Preference is given to those who are well qualified, experienced, secured funded research projects etc.

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
- ❖ A staff club is operated by the staff to look after some of the welfare needs of the staff.

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 Autonomous Institution conducts meetings with the staff to discuss about the reforms.
- The Autonomous Institution collects the feedback from the staff when it invites them for setting and evaluation papers etc.
- The IQAC conducts meetings and suggests reforms in policies and procedures in conducting the exams, evaluating the scripts and awarding the marks

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 recommendations for curriculum modifications based on industry requirements
- It arranges Invited talks
- It offers internships for students
- It enables industrial visits of students

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.
- It also suggests certain measures for the welfare of the students

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
- Spirituality, yoga, and meditation
- Fire and safety
- Development programmes, workshops, conferences, symposia etc., are conducted for knowledge update and skill enhancement

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
- In order to promote the use of alternative energy resources, solar energy and wind mill energy systems were installed in 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

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.

- Self Feeding Utensil for Disabled People

- Preparation of CuO and Al₂O₃ nanoparticles and heat transfer enhancement by using CuO and Al₂O₃ nanofluids in a concentric tube heat exchanger
- Vibrational energy harvesting using windspear (Piezoelectric materials)
- Preparation of ZnO and Fe₂O₃ nanoparticles and heat transfer enhancement by using ZnO and Fe₂O₃ nanofluids in a concentric tube heat exchanger

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

- Established Jayrobotix special lab
- It is an Electro Mechanical Assistive device, is used a dc geared motors along with some electronics components for power supply and supporting hardware material. The device works as like a robotic arm. With this we get five movements-flexion, extension, abduction, adduction and rotation. All these movements are controlled with a foot. The switches that are arranged for easily operation with a foot and along with some special features:
 - (i) The food container will rotate so food can be mixed easily.
 - (ii) It can collect the food from any place of the bowl
 - (iii) Additional feature is that our table is height adjustable

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

1. ECE online content
2. Embedded systems and Jayrobotix special labs are established

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

7.4 Contribution to environmental awareness / protection

Rain Harvest water is diverted to Water pond which is used for watering the plants. Eco friendly activities already establish were taken forward for this year also.

7.5 Whether environmental audit was conducted? Yes No

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

8. Plans of institution for next year

1. Introduce Choice Based Credit System (CBCS) as per norms of UGC
2. Plan to introduce B.Tech Program in Pharmaceutical Engineering
3. Implementation of counselling system effectively.
4. Arranging more number of conferences/seminars
5. Internships to majority of students
6. Expansion of infrastructure facilities
7. Focus on Placement & Training Activities
8. Establishment of special labs

Name Prof. Ashok. Shigle

Ashok

Signature of the Coordinator, IQAC

Name Dr. Ch. Venkateswarlu

Ch. Venkateswarlu

Signature of the Chairperson, IQAC

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