The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

1. Details of the Institution

1.1 Name of the Institution

> **N.B.K.R. Institute of Science & Technology**

1.2 Address Line 1

> Vidyanagar

Address Line 2

> Kota (Mandal)

City/Town

> SPSR Nellore (Dist)

State

> Andhra Pradesh

Pin Code

> 524 413

Institution e-mail address

> ist@nbkrist.org

Contact Nos.

> 08624 – 228247

Name of the Head of the Institution:

> Dr. V. VIJAYA KUMAR REDDY

Tel. No. with STD Code:

> 08624-228547

Mobile:

> +91 7382297655

Name of the IQAC Co-ordinator:

> Dr. Ch R. Vikram Kumar

Mobile:

> +91 9490321975

IQAC e-mail address:

> iqac@nbkrist.org

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*

> **APCOGN13607**

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(4th SC) /32/2014 dtd. 10, December 2014

1.5 Website address:

www.nbkrist.org

Web-link of the AQAR:

www.nbkrist.org/IQAC/AYwise_AQAR_Reports.php
www.nbkrist.org/IQAC/AYWiseReports/AQAR%202015-16.docx

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.02	2008	2013
2	2nd Cycle	A	3.08	2014	2019
3	3rd Cycle	Nil	Nil	Nil	Nil
4	4th Cycle	Nil	Nil	Nil	Nil

1.7 Date of Establishment of IQAC : DD/MM/YYYY   20/03/2009

1.8 AQAR for the year *(for example 2010-11)*   2015-16

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

i.   AQAR _____**02.07.2015**_____ _____ (DD/MM/YYYY)
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 Anantapur, Ananthapuramu]

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   [Nil]   UGC-CPE   [YES]

DST Star Scheme   [Nil]   UGC-CE   [Nil]

UGC-Special Assistance Programme   [Nil]   DST-FIST   [Nil]

UGC-Innovative PG programmes   [Nil]   Any other *(Specify)*   [Nil]

UGC-COP Programmes   [Nil]

2. IQAC Composition and Activities

2.1 No. of Teachers   [2]

2.2 No. of Administrative/Technical staff   [6]

2.3 No. of students   [2]

2.4 No. of Management representatives   [1]

2.5 No. of Alumni   [2]

2. 6 No. of any other stakeholder and

   Community representatives

   Nil

2.7 No. of Employers/ Industrialists

   1

2.8 No. of other External Experts

   Nil

2.9 Total No. of members

   14

2.10 No. of IQAC meetings held   4

2.11 No. of meetings with various stakeholders: No.   24   Faculty   5

   Non-Teaching Staff Students   14   Alumni   5   Others   0

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) : **02**

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

   Total Nos. -   International ☐   National -   State ☐   Institution Level √

   (ii) Themes   **Quality improvement on teachining learning system**

2.14 Significant Activities and contributions made by IQAC

- Appointed coordinator for all common subjects

- Arranged e-learning classes by all faculties.

- Minimum of two expert lectures are arranged by each department.

- Increased awareness on research to all faculties.

- JNTUA approved research centre established to offer Full- time Ph D. Programmes

- Intensive placement training programmes are conducted from the first year onwards.

- Placement activities are strengthened.

- Student counselling system is strengthened

- Upgraded the Computational facilities for the students and staff

- Laboratories are upgraded by procuring new equipment in all departments.

- New laboratories established.

- Faculty qualifications are improved. Some were awarded Ph D. Some have registered for Ph D.

- Department wise more student association activities like technical quiz's, seminars, group discussions etc., are conducted

- Equal importance is given cultural festivals, sports.

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
- Improvement in student –learning system. - More training programmes arranged for placement - Proposal to start JNTUA Research centre to offer full time Ph D. Programmes - Proposal to online student monitoring system. - Upgrade computational facilities. - Strengthening the faculty and students research. - Implementation of swatcha college. - Improve transportation facility to student. - Preparation of NBA Reaccreditation - Proposal to improve the intake in B Tech programme in CSE and CE.	- Results improved, placements improved. - The placements of the Institute improved - JNTUA has sanctioned Research centres for EEE, ECE and ME departments. - SMS alerts are introduced to send student information to the parents - More computers with high configuration are procured. - More proposals submitted to funding agencies - Swatcha College is effectively implemented. - New buses are purchased. - Process is under progress. - Intake in B Tech (CSE) and B Tech (Civil) Increased.

* Attach the Academic Calendar of the year is enclosed in Annexure I.

2.15 Whether the AQAR was placed in statutory body   Yes [√]   No [ ]

Management [√]   Syndicate [ ]   Any other body [ ]

Provide the details of the action taken

Management approved AQAR and provided the support to meet the requirements.

Part – B

Criterion – I
1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	0	3	3	-
PG	4	-	4	-
UG	5	-	5	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	4
Others	-	-	-	-
Total	9	3	13	4

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

Pattern	Number of programmes
Semester	9
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.

   NO

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

   - JNTUA sanctioned Research centre to offer full time Ph D programmes in EEE, ECE and ME Departments

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of
permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
139	107	11	18	**3**

2.2 No. of permanent faculty with Ph.D.

29

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
28	-	-	-	-	-	-	-	28	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

-		-		5

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	12	5	-
Presented papers	16	8	-
Resource Persons	-	-	-

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

- QEEE programmes in association with IIT, Chennai.
- Extensive training programmes organized by **Teamlease Company** for all UG students to train them for placement.
- NPTEL courses.
- English spoken tutorials.
- Programming skills by IBM.
- Workshops and guest lectures from Industrial experts are organized on robotics, internet of things.
- e-learning classes are organized.

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)

Nil

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

18	18	18

2.10 Average percentage of attendance of students

88%

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	583	35.8	29.8	0.5	12.86	79.07
M Tech	56	87.5	1.78	-	-	89.28

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

- By collecting feedback from the students, parents, alumni and staff.
- By Sudden inspections.
- Using internal audit system.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	12
UGC – Faculty Improvement Programme	24
HRD programmes	0
Orientation programmes	16
Faculty exchange programme	0
Staff training conducted by the university	23
Staff training conducted by other institutions	12
Summer / Winter schools, Workshops, etc.	109
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	61	-	-	-
Technical Staff	45	-	-	-

Criterion – III

3. Research, Consultancy and Extension

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

- Motivation programmes were organized by R& D cell.

- Faculty are trained in preparing research proposals to various funding organizations.

- Arranged frequent interactions with experts from various research Institutions

- Full time Research scholars are admitted to Research Centre of JNT University Anantapur

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	-
Outlay in Rs. Lakhs	-	12.35	-	-

3.3   Details regarding minor projects: Nil

	Completed	Ongoing	Sanctioned	Submitted
Number				
Outlay in Rs. Lakhs				

3.4   Details on research publications

	International	National	Others
Peer Review Journals	23	03	-
Non-Peer Review Journals	03	-	-
e-Journals	07	-	-
Conference proceedings	5	01	-

3.5 Details on Impact factor of publications:

Range | 1.3 to 4 | Average | 2 | h-index | 01 | Nos. in SCOPUS | 01 |

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	2015-2018	AICTE	12.35/-	Under progress
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects *(other than compulsory by the University)*	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	-	-

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   **NIL**

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   [Rs. .]

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	01	06	-	-	-
Sponsoring agencies	Institute sponsored	Institute sponsored	-	-	-

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

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 : One lakh

From funding agency [-]   From Management of University/College [1]

Total [1]

3.16 No. of patents received this year **NIL**

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 0
of the institute in the year

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

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

8

10

3.19 No. of Ph.D. awarded by faculty from the Institution   04

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: Nil

University level [ ]   State level [ ]

National level [ ]   International level [ ]

3.22 No. of students participated in NCC events: Nil

University level [ ]   State level [ ]

National level [ ]   International level [ ]

3.23 No. of Awards won in NSS: Nil

University level [ ]   State level [ ]

National level [ ]   International level [ ]

3.24 No. of Awards won in NCC: Nil

University level [ ]   State level [ ]

National level [ ]   International level [ ]

3.25 No. of Extension activities organized   15

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

- Special Camp in July 2015 at jandrapeta (VI), vakadu for 7days
- Blood Camp on August 28 2015, Govt   Hospital, Gudur.
- Awareness Program on World AIDS day rally, 1st Dec 2015.

- Awareness Program on National Voters day, 25 January 2016.
- Conducted Blood Camp on 20 Feb 2016.
- Awareness Programmes on Eye Donation by "Eye cross foundation of NBKRIST''

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	48281.3 Sq m (carpet area)	1500 sq.m	Institutional fund	59781.3 Sq.m
Class rooms	46	2	Institutional fund	48
Laboratories	28	1	Institutional fund	29
Seminar Halls	2	-		2
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	-	Robotics lab	AICTE grant and Institutional fund	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	17,69,653	-	-
Others	-	-	-	-

4.2 Computerization of administration and library
- Online data management system which provides the student database with all details, and it also provides the day to day attendance of the students.
- The staff and students can access the data anywhere in the campus, The students and faculty can access and download NPTEL video lectures, subscribed e-journals and e-books from the library through internet/intranet and Wi-Fi.
- Administrative office and library are fully computerized.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	13684	40096	707	2295	14391	42391
Reference Books		13249		625		13766
e-Books		6500		5442		11942
Journals		107		30		137
e-Journals		237		4613		4850

Digital Database	NPTEL	7TB		7TB		14TB
CD & Video		1350		77		1427
Others (specify) Back Volumes Project reports	- -	1650 390		50 60		1700 450

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	772	13	2	1	0	1	5	1
Added	40	0	1	0	0	0	0	0
Total	812	13	3	1	-	1	5	1

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

- Computer training programmes conducted for non- teaching staff.

- IBM training programmes conducted for students on C and C++.

- Online QEEE programs conducted for students

- NPTEL classes

4.6 Amount spent on maintenance in lakhs :

   i) ICT   1.25

   ii) Campus Infrastructure and facilities   292.97

   iii) Equipments   17.69

   iv) Others (including salaries)   774.04

                 Total :   985.96

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Training classes to the students about importance of competitive exams

5.2 Efforts made by the institution for tracking the progression

- Result evaluation, placement.

- Collecting the feedback from the students, parents, Alumni and staff.

- Interacting with students in the campus

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2472	53	-	-

(b) No. of students outside the state

Nil

(c) No. of international students

Nil

Men

No	%
1862	75.32

Women

No	%
610	24.67

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
948	394	60	1014	-	2416	929	396	62	1085		2472

Demand ratio   Dropout %   1.2

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

- Extra classes are conducted to the students for GATE, GRE and TOFEL.

No. of students beneficiaries   120

5.5 No. of students qualified in these examinations

NET   -   SET/SLET   GATE   08   CAT

IAS/IPS etc   State PSC   UPSC   Others   25

5.6 Details of student counselling and career guidance

- For every 20 students a faculty counsellor is appointed.

- For every class a class in-charge is appointed.

- Regular interaction with backward student by class in-charge, counsellor, Heads and Director.

No. of students benefitted

| 120 |

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
15	350	77	25

5.8 Details of gender sensitization programmes

- No gender sensitization programmes are conducted

5.9 Students Activities

5.9.1   No. of students participated in Sports, Games and other events   170

State/ University level | √ | National level | √ | International level | |

No. of students participated in cultural events   100

State/ University level | √ | National level | ? | International level | |

5.9.2   No. of medals /awards won by students in Sports, Games and other events **55**

Sports : State/ University level | 44 | National level | - | International level | |

Cultural: State/ University level | 55 | National level | - | International level | |

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	25	Rs. 4,00,000

Financial support from government	1566	Rs. 6,68,37,162
Financial support from other sources Alumni	15	Rs. 2,00,000
Number of students who received International/ National recognitions	-	-

5.11   Student organised / initiatives

Fairs   : State/ University level   [2]   National level   [6]   International level   [   ]

Exhibition: State/ University level   [?]   National level   [   ]   International level   [   ]

5.12   No. of social initiatives undertaken by the students   [4]

5.13 Major grievances of students (if any) redressed: Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

Transform into a world class autonomous Technical Institution of choice of students satisfying all their educational needs and also contribute to the development of the region.

MISSION

Impart total quality Technical education at undergraduate and post graduate levels by providing good governance and best teaching and learning practices, creating opportunities for research, consultancy and faculty development, maximizing student results and placements, constantly interacting with industries for mutual benefits, developing the soft skills of students and also striving for economic well-being of local community and the region.

6.2 Does the Institution has a management Information System

➢ Yes. The college developed own knowledge management system.

➢ The college design and maintain college website www.nbkrist,org. The website provides the information regarding the courses offered, details of the faculty and staff, infrastructure and other facilities, examination details, library details, placement information, training programmes and workshops, hostel information, amenities, professional body activities, seminar/paper competition details and extra-curricular activities.

➢ The college maintains online attendance management system to provide the details of day to day attendance of all the students. It also provides the necessary information pertaining to academics like class work schedules, details of all the students etc.,

➢ The library continuously updates the information about the availability of books, journals and magazines through library management system. The faculty and student can access NPTEL, DELNET and other e-books from Institute library through intranet.

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

6.3.1 Curriculum Development

▪ Interacted with alumni and industrial persons for improving the curriculum.

▪ Curriculum is restructured based on the curriculum of reputed Institutes like IIT's, NIT's and top Universities.
• Incorporation of Industry oriented subjects in the curriculum

6.3.2 Teaching and Learning

• Improved Department Libraries with adequate facilities.

- Conducted more e-learning classes.
- Conducted outcome based training courses.

6.3.3 Examination and Evaluation

- Objective paper is introduced in internal exams.

- Importance is given to both internal exams.

- Flying squad system is introduced during the examination.

6.3.4 Research and Development

- R&D cell Activities are strengthened.
- JNTUA Research centre is initiated
- Proposals are submitted to for grants

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Books, and journals are procured on regular basis.
- Library data base system is improved.
- Good number of e-books and video lecturers are collected.
- LCD projectors, computers and printers are procured.
- Laboratory infrastructural facilities are improved.
- New buildings are constructed.

6.3.6 Human Resource Management

- Workshops and faculty development programmes are organized
- Technical staff training programmes are organized
- Student special camps (like surveying) are organized.
- Students are sent for summer internship programmes.

6.3.7 Faculty and Staff recruitment

- Faculty improved their qualification by getting Ph. D. degrees.
- Ph D holders are taken in to the faculty of all the Departments.
- Well qualified teaching faculty are recruited.

6.3.8 Industry Interaction / Collaboration

- IIP cell activities are strengthened.
- Department wise placement and IIP cell coordinators are appointed.
- Industrial data base is prepared.

6.3.9 Admission of Students

- Transportations facility is available from in and around places.
- Campus hostel accommodation is available.

6.4 Welfare schemes for

Teaching/ Non teaching	EPF Gratuity Insurance
Students	Insurance

6.5 Total corpus fund generated : **Institute is not maintaining corpus fund.**

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	Quest International NAAC	Yes	Department committees
Administrative	Yes	Quest International NAAC	Yes	Department committees

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?

- University appointed Academic Council members

- University appointed Result committee member

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

6.11 Activities and support from the Alumni Association

- Meritorious awards by Alumni Association.
- Interaction, Training programme and guest lectures are arranged by Alumni assocation
- Placement assistance.

6.12 Activities and support from the Parent – Teacher Association

Regular meetings with parents and collecting the feed back about the college and student support system.

6.13 Development programmes for support staff

Computer training programmes, English training classes are conducted.

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

- More plantations, water harvesting
- Usage of vehicles by students in the campus is prohibited.
- Uses of renewable energy sources- Solar Panel etc.

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.

- English language club and robotics club are initiated this year.

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

- JNTUA Research centre is approved.

- National conference by CSE department is organized.

- Faculty development programmes are arranged.

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

- Online student data base management system (Annexure-II)

- SMS alerts are introduced. (Annexure- III)

7.4 Contribution to environmental awareness / protection

- More plantations and water harvesting.
- Usage of vehicles by students in the campus is prohibited.
- Uses of renewable energy sources- Solar Panel etc.

7.5 Whether environmental audit was conducted?   Yes [ ]   No [√]

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

8. Plans of institution for next year

- Quality improvement in research publications.
- Preparing faculty to submit more proposals for funding
- Establishment of Robotic Technology Centre.

Dr. Ch R. Vikram Kumar

Coordinator, IQAC

Dr. V.Vijaya Kumar Reddy

Chairperson, IQAC

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ANNEXURE - I

ACADEMIC SCHEDULE

Year and Semester	Date of Commencement of Instruction	Date of End of Instructions
IV B Tech I Sem	01.07.2015	31.10.2015
IV BTech II Sem	09.12.2015	26.03.2016
III B Tech I Sem	01.07.2015	31.10.2015
III BTech II Sem	09.12.2015	02.04.2016
II B Tech I Sem	08.07.2015	07.11.2015
II BTech II Sem	09.12.2015	02.04.2016
I B Tech	20.07.2015	14.03.2016
M Tech I Sem	14.09.2015	28.01.2016
M Tech II sem	24.02.2016	03.09.2016

<u>ANNEXURE - II</u>

A. ONLINE STUDENT DATA BASE MANAGEMENT SYSTEM

❖ **Objectives of the Practice**

➢ To maintain the student information in online for easy access to faculty which help to monitor and counsel the students. Collect the day to day attendance, contact details of the parents, semester wise marks.

❖ **Context**

➢ The primary objective of the Institution is to train its students with strong analytical skills, language skills, employability skills and life skills with a deep sense of social consciousness and awareness. The online system helps the Head of the Institution, Head of the Departments and faculty to know the status of any student academic performance.

❖ **Practice**

- ➢ Every class in-charge and counsellors check the information about academic performance of a student. Faculty members can easily access the student performance not only in their subject but also overall performance. Class in-charges/counsellors counsel the students to improve their academic performance and also helps to inform to their parents about the student performance

- ❖ **Evidence of success**

- ➢ Based on feedback from the departments and the parents the average attendance of the students is increased.

- ❖ **Problems encountered and Resources required**

- ➢ Sometimes the contact details of the parents are mismatching. More attentions is required in updating the change of contact details of the parent.

ANNEXURE – III

B. **SMS ALERTS**

- ❖ **Objectives of the Practice**

- ➢ The goal is to develop fast communication system among the staff and parents of the Institute. A separate cell is maintained to collect the details of any activity / progress of the Institute and student information

- ❖ **Context**

- ➢ To maintain paperless office.

- ❖ **Practice**

- ➢ The information regarding the academic and co-curricular activities in Institute are communicated through SMS to all the staff and parents. The academic performance of the every student is communicated to their parents through SMS.

- ➢ Each and every faculty member in the Department posts hourly attendance of the students every day through online attendance management system which in turn helps the teachers to monitor the student academic performance.

- ❖ **Evidence of success**

- ➢ Staff and parents receiving the information instantaneously.

- ❖ **Problems encountered and Resources required**

- ➢ Updating the parent's cell phone numbers is sometimes difficult. Some of the parents are uneducated they are facing some difficulty to understand the massages.