

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

I. Details of the Institution

1.1 Name of the Institution

1.2 Address Line 1

Address Line 2

City/Town

State

Pin Code

Institution e-mail address

Contact Nos.

Name of the Head of the Institution:

Tel. No. with STD Code:

Mobile:

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

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)

1.5 Website address:

Web-link of the AQAR:

www.nbkrist.org/IQAC/AYwise_AQAR_Reports.php
www.nbkrist.org/IQAC/AYWiseReports/AQAR%202014-15.docx

1.6 Accreditation Details

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

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

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

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

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

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.12 Name of the Affiliating University (*for the Colleges*)

JNTUANantapur, 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

Nil

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

2.6 No. of any other stakeholder and
Community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held 2 (After Reaccreditation)

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) : **02**

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

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- Infrastructural facilities like new canteen building, boys waiting room, furniture are extended
- Student counselling system is strengthened
- Upgraded the Computational facilities for the students and staff
- Laboratories are upgraded by procuring new equipment in all departments
- Faculty qualifications are improved. Some were awarded Ph D. Some have registered for Ph D.
- Intensive placement training programmes are conducted for final year students
- 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
<ul style="list-style-type: none"> • Preparation of NAAC Reaccreditation • Proposal to improve the intake in M Tech programme in CSE and EEE. • Proposal to start JNTUA Research centre to offer full time Ph D. Programmes • Proposal to construct boys waiting room. • Proposal to online student monitoring system • Upgrade computational facilities • Strengthening the faculty and students research. • Implementation of swatcha college • Improve transportation facility to student 	<ul style="list-style-type: none"> • Institute is Reaccredited with ‘A’ by NAAC. • Intake in M Tech (EEE) and M Tech (CSE) Increased • JNTUA has sanctioned Research centres for EEE, ECE and ME departments • Construction of new waiting room for boys is completed • SMS alerts are introduced to send student information to the parents • More computers with high configuration are procured. • AICTE grant for RPS is sanctioned. • Swatcha College is effectively implemented. • New buses are purchased.

* 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

Management approved AQAR and provided financial assistance to meet the requirements.

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	4	-	-	-
UG	5	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	9	-	-	-
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
123	93	17	18	5

2.2 No. of permanent faculty with Ph.D.

25

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
14	-	2	-	1	-	6	-	23	-

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	09	65	01
Presented papers	15	09	02
Resource Persons	-	-	-

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

- QEEE programmes in association with IIT, Chennai
- English spoken tutorials
- Programming skills by IBM
- Workshops and guest lectures from Industrial experts are organized
- 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

85%

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	570	38.60	27.3	-	-	65.96
M Tech	96	62.5	36.4	-	-	98.9

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

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	3
UGC – Faculty Improvement Programme	-
HRD programmes	1
Orientation programmes	5
Faculty exchange programme	-
Staff training conducted by the university	2
Staff training conducted by other institutions	4
Summer / Winter schools, Workshops, etc.	51
Others	1

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	54	-	-	11
Technical Staff	39	-	-	11

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
- Got grant of of 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	17	01	
Non-Peer Review Journals	-	-	-
e-Journals	05	-	-
Conference proceedings	06	01	

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	2014-15	AICTE	12.35/-	Under progress
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	-	-

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from **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

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	01	-	-	-
Sponsoring agencies	-	-	-	-	-

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs : One lakh

From funding agency From Management of University/College

Total

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
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) 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 **05**

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

- Organized Blood donations camps twice every year
- 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	19781.3 Sq.m
Class rooms	44	2	Institutional fund	46
Laboratories	27	1	Institutional fund	28
Seminar Halls	2	-		2
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	Power system lab	Institutional fund	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	22,78,961	-	-
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	13460	38145	224	1950	13684	40096
Reference Books		13299		385		13684
e-Books		2017		4083		6500
Journals		102		5		107
e-Journals		209		48		257
Digital Database	NPTEL	2TB		5TB		7TB
CD & Video		1210		140		1350
Others (specify)						
Back Volumes	1637	390		48		1685
Project reports	-	-		80		970

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	712	13	2	1	0	1	5	1
Added	60	0	1	0	0	0	0	0
Total	772	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++

4.6 Amount spent on maintenance in lakhs :

i) ICT	29.10
ii) Campus Infrastructure and facilities	55.76
iii) Equipments	22.78
iv) Others (including salaries)	1147.62
Total :	1255.28

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 GATE and other 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
2321	95	-	-

(b) No. of students outside the state

Nil

(c) No. of international students

Nil

Men	No	%	Women	No	%
	1781	73.72		635	26.28

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
966	392	69	991	-	2418	948	394	60	1014	-	2416

Demand ratio

Dropout % 1.65

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

100

5.5 No. of students qualified in these examinations

NET	-	SET/SLET		GATE	10	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

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
03	164	15	14

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 150

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 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	15	Rs. 2,00,000

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 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: 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 association
- 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- I)
- SMS alerts are introduced. (Annexure- II)

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.

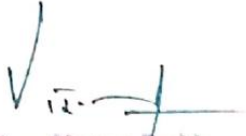
7.5 Whether environmental audit was conducted? Yes No

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.
- Establishment of Robotic Technology Centre.


Dr. Ch R. Vikram Kumar
Coordinator, IQAC


Dr. V. Vijaya Kumar Reddy
Chairperson, IQAC

ANNEXURE - I

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 – II

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 messages.