

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

KAKINADA

KAKINADA – 533 003,

ANDHRA PRADESH, INDIA



SELF STUDY REPORT (SSR)

**FOR
ACCREDITATION**

By

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL



FEBRUARY, 2017

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SECTION B
SELF-STUDY REPORT

1. Name and Address of the University:

Name	Jawaharlal Nehru Technological University Kakinada
Address	Pithapuram Road, East Godavari District
City	Kakinada- 533003 Andhra Pradesh India
Web Site	www.jntuk.edu.in

2. For communication :

Designation	Name	Telephone	Mobile	Fax	Email
Vice Chancellor	Prof. V. S. S. Kumar	0884-2300888 (O)	09849037843	0884-2300800	vsskumar1958@hotmail.com
Pro Vice Chancellor	Prof. B. Prabhakara Rao	0884-2300881 (O)	09963543555	0884-2300802	drbprjntu@gmail.com
Registrar	Prof. Ch. Sai Babu	0884-230900 (O)	08978788555	0884-2300901	registrar@jntuk.edu.in
Coordinator IQAC	Prof. V. Ravindra	0884-2300919 (O)	09704700005		did@jntuk.edu.in

Profile of the University

3. Status of the University: State University

4. Type of University: Affiliating

5. Source of Funding: State Government

6. a. Date of Establishment of the University: 20-8-2008

b. Prior to the establishment of the University was it a /an

i	PG Center	Yes	No ✓
ii	Affiliating College	Yes	No ✓
iii	Constituent College	Yes ✓	No
iv	Autonomous College	Yes ✓	No

Date of establishment as constituent college is 1972(JNTUH) and autonomous college in 2004(JNTUH).

Date of establishment as constituent college is 2008(JNTUK) and autonomous college in 2011(JNTUK).

7. Date of recognition as a University by UGC or any other national agency

	Under Section	Date	Month	Year	Remarks
i	2f of UGC	23	November	2009	
ii	12B of UGC	23	November	2009	
iii	3 of UGC	--	--	--	
iv	Any other Specify ix Plan	8	September	2010	
v	DSIR Certification	20	February	2015	

Enclose certificate of recognition.

Enclose notification of MHRD and UGC for all courses / programmes / campus/ campuses.

Enclose certificate of recognition by any other national agency/agencies, if any

8. Has the University been recognized

a. By UGC as a University with Potential of Excellence

No

b. For its performance by any other Governmental agency?

No

9. Does the University have off campus centers?

Yes Vizianagaram Campus

If Yes Date of Establishment 2007

Date of Recognition September 2007

10. Does the University have off shore campuses?

No

If Yes Date of Establishment

Date of Recognition

11. Location of the campus and area

		Location	Campus Area in Acres	Built-up Area in Sq. mt
I	Main Campus	Kakinada urban	110	447825
Ii	Other Campuses in the Country	Vizianagaram rural	80	60680

iii	Campuses Abroad	--		
-----	-----------------	----	--	--

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, Any other (please specify))

If the university has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

12. Provide information on the following: in case of multi campus, University, please provide campus wide information

Information	Kakinada Campus	Vizianagaram campus
Auditorium / seminar complex with infrastructural facilities	<ul style="list-style-type: none"> ➤ Fully AC Auditorium- 671.42 Sq.m with capacity of 350 ultra modern seats with all the new technology facilities ➤ 1040.94 Sq.m auditorium with good examination facilities ➤ Each department of the University college has independent AC Seminar Halls with all Infrastructural facilities with inimum capacity of 100 seats 	Seminar Hall with all Infrastructural facilities of capacity of 200 members is Available
Sports facilities	State of Art sports facility is available in Campus and university organized national and Inter university competitions	State of Art sports facility is available in Campus and it caters the need of Students and Faculty and Inter university competitons
* gymnasium	A good Indoor and outdoor Gymnasium is available	A good Indoor and outdoor Gymnasium is available
playground	Cricket stadium with furnished net practice space is provided	Cricket stadium is available on the Sloppy area of College premises
Swimming pool	-	--
Any other	Wooden Indoor court with 4 Shuttle Badminton courts, one basket ball court ultra modern Gym facilities, Big Dormitory, AC rooms for the outstation Players and Coaches are available within the Indoor Stadium	A good Wooden Indoor court with 4 Shuttle Badminton courts, one basket ball court ultra modern Gym facilities, Big Dormitory, AC rooms for the outstation Players and Coaches are available within the Indoor Stadium
Guest House	2100 Sq.m Guest house with 24 double accomodation rooms and 2 Executive Suits with well furnished furniture is	700 Sq.m Guest house with 8 double accomodation rooms and 1Executive Suit with well furnished furniture is

	available	available
Hostels		
Boys' hostel	Available (Caters for All B.Tech / M.Tech)	Available(Caters for All B.Tech / M.Tech)
i. Number of hostels	4 (Two floors)	2 (Three Floors)
ii Number of inmates	470	720
iii. Facilities	Solar Lights, CC Cameras, RO water facilities, Wi-Fi enabled Hostels with round the clock security	Solar Lights, CC Cameras, RO water facilities, Wi-Fi enabled Hostels with round the clock security
Girls' hostel		
i. Number of hostels	2(Two floors)	2 (Three Floors)
ii. Number of inmates	500	639
iii. Facilities	Solar Lights, CC Cameras, RO water facilities, Wi-Fi enabled Hostels with round the clock security	Solar Lights, CC Cameras, RO water facilities, Wi-Fi enabled Hostels with round the clock security
Working women's hostel	--	--
i. Number of hostels	--	--
ii. Number of inmates	--	--
iii. Facilities	--	--
Residential facilities for faculty and non-teaching	12 A-type professor Quarters, 30 B-Type staff quarters, 30 Non –Teaching Quarters	12 A-type professor Quarters, 15 B-Type staff quarters
Cafeteria	Available	Available
Health centre – Nature of facilities available – inpatient, outpatient, ambulance, emergency care facility, etc.	<ul style="list-style-type: none"> ➤ Health centre with in the campus is Available with full time Doctor and Support staff ➤ Ambulance with all facilities with in it are available for round the clock with necessary driver and supporting staff 	<ul style="list-style-type: none"> ➤ Health centre with in the campus is Available with full time Doctor and Support staff ➤ Ambulance with all facilities with in it are available for round the clock with necessary driver and supporting staff
Facilities like banking, post office, book shops, etc.	<ul style="list-style-type: none"> ➤ State bank of India bank is Available within the campus ➤ Post Office is Available within in the campus ➤ A book Store along with DTP and Xerox is available within the campus 	<ul style="list-style-type: none"> ➤ State bank of Hyderabad extension counter is Available within the campus ➤ A book Store along Xerox is available within the campus
Transport facilities to cater to the needs of the students and staff	Campus is placed within the city and most of the students and staff stay near to the College and within the college	The Campus is placed outside the city and most of the students and staff stay near to the College and within the

		college
Facilities for persons with disabilities	Separate provision is provided at all the offices and departments for their easy entry	Separate provision is provided at all the offices and departments for their easy entry
Animal house	Available	-
Incinerator for laboratories	Provided	Provided
Power house	An Individual power house for two departments is provided	Available
Waste management facility	Available	Available

13. Number of Institutions affiliated to the University

	Type of Colleges	Total	Permanent	Temporary
1	Arts Science and Commerce	--	--	--
2	Law	---	--	--
3	Engineering & MCA	197	25	172
4	Education	--	--	--
5	Management & MCA	30	--	30
6	Pharmacy	33	03	30
7	Architecture	04	--	04

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University

Yes ✓

No

13 Autonomous colleges

15. Furnish the Following Information

	Particulars	Number	Number of Students
a	University Departments		
	Undergraduate	10	3093
	Post graduate	33	754

	Research centers of the Campus	1	1800
b	Constituent Colleges	2	4,938
c	Affiliated Colleges	264	2,38,985
d	Colleges under 2f	25	35,000
e	Colleges under 2f and 12B	4	9,600
f	NAAC accredited colleges	20	66,904
g	Colleges with potential excellence (UGC)	--	--
h	Autonomous colleges	12	44,470
i	Colleges with postgraduate department	204	47,576
j	Colleges with Research Departments	01	1800
k	University recognized research Institutes / centers	28	80

16. Does the University conform to the specification of degree as enlisted by the UGC
Yes ✓ No

In the University uses any other nomenclatures, please specify

17. Academic Programmes offered by the University departments, at present under the following categories (Enclose the list of academic programmes offered)

	Programmes	Number
1	Undergraduate	9
2	Postgraduate	10
3	Integrated Masters	4
4	M. Phil	--
5	Ph.D	14
6	Integrated Ph.D	--
7	Certificate	--
8	Diploma	--

9	PG Diploma	--
	Any other (Please Specify)	

18. Number of Working days during last academic year: 192

19. Number of Teaching days during past four academic years

2014-15	2013- 14	2012-13	2011-12
192	160	190	180

(Teaching days means days on which classes were engaged. Examination days are not to be included)

20. Does the University have a department of teacher education?

Yes No

If yes

- Year of Establishment : 2010 Faculty Development
- NTCE recognition details (if applicable) Notification No.
- Date
- Is the department opting for assessment and accreditation separately?
Yes No

21. Does the University have a department Physical education?

Yes No

If yes

- Year of Establishment-2008
- NTCE recognition details (if applicable) Notification No.
- Is the department opting for assessment and accreditation separately?
Yes No

22. In the case of Private and Deemed Universities, please indicate whether Professional programs are being offered?

NA Public University

If yes, please enclose approval / recognition details issued by the statutory body governing the programme.

23. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.

Policy decisions are taken approval in Executive Council, Ministry of Higher Education, Government of Andhra Pradesh.

24. Number of positions in the University

Positions	Teaching Faculty			Non Teaching Staff	Technical Staff
	Professor	Associate Professor	Assistant Professor		
Sanctioned by the UGC / University /State Government	49	40	89	77	169
Recruited	46	20	72	37	100
Yet to Recruit	03	20	17	40	69
Number of Persons on Contract basis					33

25. Qualifications of the teaching staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D Sc. / D. Litt							
Ph.D	38	8	13	6	4	4	73
M. Phil							
PG			1		39	25	65
Temporary Teachers							
Ph D					3	1	4
M.Phil					9	1	10
PG					41	26	67
Part time Teachers							
Ph D							7*
M.Phil							
PG							

- In College

26. Emeritus Adjunct and Visiting Professors

	Emeritus	Adjunct	Visiting Professors
Number			

27. Chairs instituted by the University

	Chairs
Schools / Department	--

28. Students enrolled in the University departments during the current academic year with the following details

Student	UG		PG		PhD	Int PhD	Dlitt/ DSc	
	M	F	M	F			M	F
From State where University is located	200	176	137	120	360	15	1	--
Other states of India	--	--	--	--	--	--	--	--
NRI Students	--	--	--	--	--	--	--	--
Foreign Students	--	--	--	--	--	--	--	--
Total								

29. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

- (a) Including the salary component = Rs. 93,000/-
- (b) Excluding the salary component =Rs. 38,400/-

30. Academic Staff College No

Year of Establishment: Announced. Process in Progress

Number of Programs conducted (with duration)

UGC Orientation

UGC Refresher

University Own Programmes

31. Does the University offer Distance Education Programmes (DEP)

No

If Yes indicate the number of programmes (DEP)?

Are they recognized by the Distance Education Council?

32. Does the University have a provision for external registration of students?

Yes Ph D Students

If yes, how many students avail this provision annually?

300 / Year

33. Is the University applying for Accreditation or reaccreditation? If accreditation, name

of the cycle

Accreditation	Cycle 1	Cycle 2	Cycle 3	Cycle 4
Reaccreditation	✓			

34. Date of accreditation (if applicable for Cycle2, Cycle3, Cycle4 and re assessment only)

Cycle	Date	Accreditation outcome	Result
Cycle 1	--		
Cycle 2			
Cycle 3			
Cycle 4			

Kindly enclose copy of accreditation certificates (s) and peer team report (s)

35. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university.

Yes. Listed in University Website www.jntuk.edu.in

36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Report (AQAR)

IQAR Established on 5-12-2015

AQAR (i)
(ii)
(iii)
(iv)

37. Any other relevant date the university would like to include

--

2. CRITERIA-WISE INPUTS

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1 How is the institutional vision and mission reflected in the academic programmes of the university?

The University has its vision, mission as per the global demand, aspirations of the stake holders and societal needs which are reviewed periodically for their continued suitability and effectiveness. All the academic programs offered and activities conducted by the University reflect this vision and mission.

Vision

The University is primarily quality of education in the areas of Science, Technology, Engineering and Management (STEM) as four academic pillars of education, to excel in teaching, learning, research, consultancy and placements through innovative practices with global perspective.

Mission

The University is moving forward with mission of promoting excellence, access, inclusion and relevance in quality education in Science, Technology, Engineering and Management, namely

- ❖ Design an Industry relevant outcome based curriculum from time to time with a Global perspective
- ❖ Promoting quality education by embracing ICT delivery mechanism with continuous pedagogy through e-learning mechanism
- ❖ Spread across for industry collaborations with a focus to pre-training and placements for technology transfer to society
- ❖ Establishing centres of excellence to promote research and innovations in multidisciplinary areas to bring in patent culture and consultancy practices
- ❖ International Collaborations for student outreach
- ❖ Facilitating international students to study in JNTUK to infuse cross culture learning practices.

The curriculum design and development is in tune with University Vision and Mission as given below:

- ❖ Curriculum design involves experts from Institutes of Higher learning, Research centres and Industry
- ❖ It aims at improving the employability of the students
- ❖ As per the global perspective Outcome based education is achieved
- ❖ Choice based credit system is included and student has the flexibility to choose.
- ❖ Integration of Face to Face and distant learning mode using Information and Communication Technology (ICT) by including Massive Open Online Courses (MOOCs) in the curriculum.

As per the Vision and Mission, the university aims at overall development of the student. As per the AP Knowledge mission the Gap year concept is implemented making the students ready as entrepreneurs.

University is taking up various Entrepreneurship development programs to ensure the students to be job providers than job seekers. To explore the entrepreneurship opportunities in the state of Andhra Pradesh, 12 awareness programs were conducted educating around 15000 students of JNTUK in this academic year.

1.1.2 Does the university follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).

Yes, The University follows a systematic process for design and development of the curriculum.

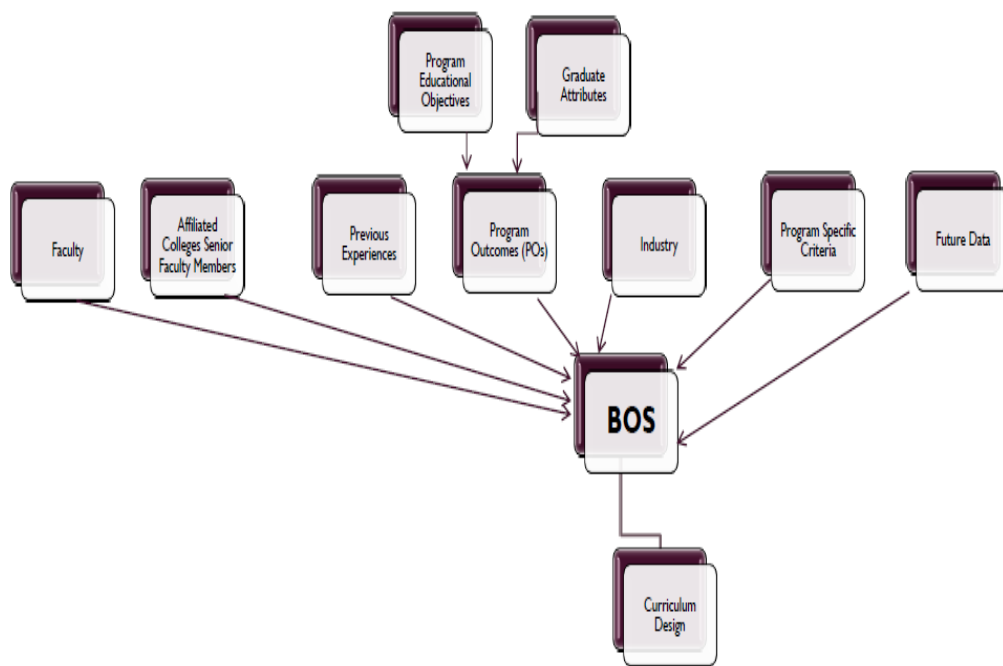
The process is as follows:

- a. BoS is formed in each faculty constituted with members from Academic as well as Industry keeping society needs in priority.
- b. Combined meeting of BoS is conducted to finalize the course structure of various faculties following the guidelines of regulatory bodies reflecting the objectives of the University
- c. The faculties of the University are trained in Outcome based education

who in turn are involved in the curriculum development so that Program Educational Objectives are achieved.

d. For every course, course objectives, learning objectives and learning outcomes are formulated in finalizing the syllabus.

e. Finally the curriculum is approved in the University Academic Senate.



1.1.3 How are the following aspects ensured through curriculum design and development?

- ❖ **Employability** : The curriculum includes Industry oriented courses and the employability enhancement courses like English communication Skills Theory and Laboratory, including subjects to improve Morals and Professional Ethics etc.
- ❖ **Innovation** : To enhance the innovation skills of the students the concept of Gap year is included in addition to the course on IPR and Patents. Also, start up village concept initiated for improving the entrepreneurship skills of students by launching Minors in Entrepreneurship course. Already, University started Innovation and Research Centre (IRC) and earmarked

3000 sq. meters to IT department of government of Andhra Pradesh for start ups.

- ❖ Research: Curriculum design is based on latest developments in the academics and industry whereby motivating the students towards research. Students are also encouraged to go for interdisciplinary research by including Open Electives in the course structure. The UG students are encouraged to take up the projects based on Journal Publications and PG students are encouraged to publish their work in peer reviewed Journals. The students are prompted to attend student symposiums and conferences.

1.1.4 To what extent does the university use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the university been instrumental in leading any curricular reform which has created a national impact?

University follows the guidelines of the regulatory bodies like UGC, AICTE and State Government. University has taken a leading step in including the Outcome Based Education (OBE) in the curriculum development which is necessary for the country to be included in the Washington Accord as a major curricular reform.

The University adopts the guidelines received from time to time from the statutory regulatory bodies like UGC, AICTE for developing and/or restructuring the curricula. Such guidelines are used by BOS and Academic Senate while designing and developing new programs as well as review of existing programs. These guidelines are often included as it is in the course scheme and curriculum. The Academic Senate deliberate on all such guidelines received from time to time.

Model adopted on the following four components:

- ❖ Basic sciences (physics, mathematics, chemistry), humanities, social sciences, and soft skills
- ❖ Engineering sciences and technical arts (computing, basic electronics, workshop, engineering drawing, thermodynamics, etc.)
- ❖ Discipline courses (courses in the specific discipline in which the degree is to be granted) and

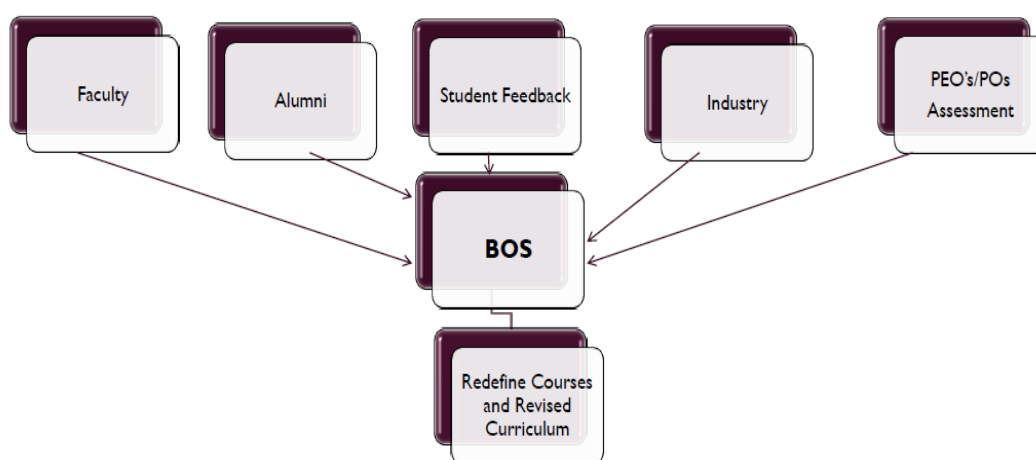
❖ Open electives

While each component would have compulsory and elective courses, it is beneficial to have a few open elective credits so that students can take up different elective courses of a particular component.

The curriculum of JNTUK is designed and updated to focus on the following which are the core parameters of Regulatory and Accreditation bodies.

- ❖ ICT and Technology enhanced learning processes
- ❖ Holistic development of the students
- ❖ Ethical education to the students
- ❖ Exposure to global standards- MOOCS Courses

1.1.5 Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefitted through interactions with the stakeholders?



University regularly revises the curriculum once in every three years so that the students will be abreast with latest developments and industry needs. University interacts with persons from industry, research centers, as they are involved in every activity of the university viz., as members of board of studies and also in evaluation of thesis work. University revises the course curriculum of UG students once in three years and the industry experts involve actively as members of board of studies. Members not only participate for simply modeling/ revising the syllabus but also involve in handling guest lectures,

research course work handling University customized MOOC courses. Alumni, Stakeholders of the University will also participate as the members of the Governing council.

Following paragraphs describe more on the industry role in academics and as a case study the details of School of Food Technology is given.

School of Food Technology

JNTUK has started Food Testing Laboratory with an objective to provide easily accessible and affordable food quality testing facility to the Manufacturers, Traders, Consumer Organizations, Government Agencies and General Public

Food Testing Laboratory established in JNTUK is first in Andhra Pradesh supplemented with NABL Accreditation paving way for Food Industries and Regulatory authorities for analysis of their products.

Involvement of Industry, R&D, Civil Societies

M. Tech. in Food Processing Technology is started in the academic year 2010-11 at School of Food Technology, JNTUK. Board of Studies includes members from leading Food Industry like Nestle, ITC, HUL etc., and regional Industries like Ananda group, Srinifoods etc. apart from eminent scientists from R&D. Director, CFTRI or his nominee is also a member of BOS. CEO, APFPS (Dept. of Industries) is a permanent invitee to BoS. School of food Technology and CFTRI have also signed an MOU to work together and collaborate with each other in Academics, R&D and Technology Transfer.

BOS had designed the curriculum based on the needs of the industry. It is the first M. Tech. course in Food Processing Technology in Andhra Pradesh. It is also one of the few courses in India with engineering orientation and may be the first with a complete focus on process engineering coordinated under faculty of engineering. It is specially structured to develop manpower with engineering skills to set up and also manage any food industry.

One special feature of the course is one year internship at Industry during second year. Many Food Industries viz. Nestle, HUL, MTR, Tata Coffee, Tata Global

Beverages, Mane, Wrigley, Godrej Tyson, Naturo, UB, UB spirits, Bambino, Kellog, Srinifoods, Foods and Inns, Dukes, Cadbury, Coco cola, MM cocoa, Heritage, Marico, Vimta labs., Jain Irrigation, Vayhan have been offering Internship for the students with stipend. Some of the project works involving our students have resulted in new Product development, Process Improvements and Publications.

So far 4 batches have completed M. Tech in Food Processing Technology. Most of them are employed in leading Industries Viz. Sab Millers, MTR, ITC, Bambino, Ghanta Foods, Olam, Inbisco, Reliance Fresh, Godrej Thyson, Dukes, Vimta Labs., Naturo, AP Dairy, APEX, Growel, NiLoN, ABRL, Parle, FCI, Global Green, Gujarat Enterprises, IFFCO(Dubai).

School of Food Technology associate and assist the regional Food Industry, Public and other stakeholders, has also started Food Testing Laboratory, with a financial support of Rs. 156 Lakhs from DPT. The objective of the Food Testing Laboratory is to provide an accessible and affordable Food quality testing Facility. It is first such laboratory in AP with NABL accreditation. Industry has started sending samples for analysis.

New courses in Emerging Areas

JNTUK, as soon as it was established in 2008, had started many new courses as a part of strategic plans to become one of the world class Universities.

Food Industry is growing at 13-15%. The size of the industry is expected to be 530-550 billions US dollars by 2020 from 280-300 billions US dollars and manpower to be 17.8 million people from 13-15 million. half million people are required every year.

Ministry of Food Processing Industries had identified development of Manpower as one of the priority areas. With financial support of Rs. 75 lakhs, JNTUK had started M. Tech course in Food Processing Technology in the academic year 2010-2011.

4 batches have completed the course. Many of the students are employed in some leading Food Industries.

1.1.6 Give details of how the university facilitates the introduction of new programmes of studies in its affiliated colleges.

The University has given approval for different affiliated colleges to start new UG programs like Agricultural Engineering, Power Engineering and Textile Engineering. The university drafts the experts from Industry, Research and Development laboratories corresponding to the specializations of the courses even though the University does not have internal experts and finalizes the course curriculum and syllabus for these specialized programs.

1.1.7 Does the university encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances (not applicable for unitary universities).

Yes, University encourages the colleges to enhance employability skills of the students since most of the colleges are located in remote locations and students are from rural background.

The university designs its curriculum by including following as Foundation/Skill enhancement Courses to the benefit of the students.

Foundation Courses:

- Professional Ethics and Morals
- IPR & Patents
- Environmental Studies

Skill enhancement Courses:

- English- Communication Skills Lab
- English- Communication Practice

In addition the following activities are taken up.

- ❖ University in association with Andhra Pradesh State Skill development Centre(APSSDC), NASSCOM and CII conducts Skill development programs for enhancing the skills of Student/faculty of the constituent/affiliated colleges
- ❖ Jawahar Knowledge Centres(JKCs) are located in some colleges to provide soft skills training to increase employability

- ❖ Campus Recruitment Training classes are conducted in colleges
- ❖ Remedial Classes and Preparatory classes are conducted in colleges to assist academically weak students
- ❖ Finishing Schools are conducted by the University with the help of the state government for the students of affiliated and constituent colleges lagging in placement opportunities.
- ❖ University is taking up various Entrepreneurship development programs to ensure the students to be job providers than job seekers. To explore the entrepreneurship opportunities in the state of Andhra Pradesh, 12 awareness programs were conducted educating around 15000 students of JNTUK in the current Academic Year.

1.2 Academic Flexibility

1.2.1 Furnish the inventory for the following: UG Programmes in Constituent Colleges

S. No.	Name of the Program	S. No.	Name of the Program
1	Civil Engineering	2	Electrical and Electronics Engineering
3	Mechanical Engineering	4	Electronics and Communication Engineering
5	Computer Science and Engineering	6	Information Technology
7	Petro Chemical Engineering	8	Petroleum Technology/Petroleum Engg.
9	Metallurgical Engineering	10	Aviation Engineering
11	Pharmacy		

PG programs:

S. No.	Name of the Program	S. No.	Name of the Program
M. Tech			
1	Structural Engineering	2	Soil Mechanics and Foundation Engineering
3	Advanced Power Systems	4	High Voltage Engineering
5	Machine Design	6	CAD/CAM
7	Instrumentation & Control Systems	8	Computers & Communication
9	Computer Science &	10	Information Technology

	Engineering		
11	VLSI Design	12	Avionics
13	Pipeline Engineering	14	Biotechnology
15	Nano Technology	16	Remote Sensing &GIS
17	Food Processing Technology	18	Environmental Engg. And management
19	Renewable Energy Engineering	20	Spatial Information Technology
21	M.S.- Occupational Health and Safety	22	M.S.-Health Science & Sports Technology
M. Pharmacy, MBA and MCA			
23	Pharmaceutical Analysis & Quality Assurance	24	Pharmaceutics
25	Pharmacology	26	MCA
27	MBA		

Overseas programmes offered on campus:

International Integrated Masters Degree Programme (IIMDP) – 5 years duration	Collaboration Universities	Place of Study		
		At JNTU KAKINADA	At BTH, SWEDEN	
International Integrated Masters Degree Programme (IIMDP) – 5 years duration	JNTUK and Blekinge Institute of Technology (BTH) SWEDEN)	1. B.Tech (ECE) –3 ½ years course of study 2. B.Tech (CSE) –3 ½ years course of study	Specializations for 1½ Years M.S. (Engineering) Course for ECE branch	Specializations for 1½ Years M.S. (Engineering) Course for CSE branch
			Telecommunications Systems (intake 40)	Computer Science (intake 20)
				Software Engineering (intake 20)
International Integrated Masters Degree Programme (IIMDP) – 5 years duration. Intake– 60 & 40	JNTUK and Asian Institute of Technology (AIT), Bangkok, Thailand.	3. B.Tech (CIVIL) Seats - 3 ½ years course of study 4. B.Tech (EEE) – - 3 ½ years course	At AIT, BANGKOK, THAILAND	
			Specializations for 1½ Years M.S. Course for CIVIL branch	Specializations for 1½ Years M.S. Course for EEE branch
			1. Construction, Engineering and Infrastructure Management (intake 20)	Energy Technology (intake 20)

			2. Remote Sensing and Geographic Information Systems (intake 20)	Micro Electronics (intake 20)
			3. Environmental Engineering and Management (intake20)	
4 years B.Tech Degree Programme	JNTUK and USFA-USA	5. B.Tech (AVIATION ENGINEERING)-2 years course of study and Last ½ year at JNTUK	At USFA, USA	
			.Tech (Aviation Engineering) – 1 ½ years course of study with Associate of Applied Science (AAS) Professional Pilot licenses	

Programmes available for Affiliated colleges to choose from:

UG Programs:

S. No.	Name of the Program	S. No.	Name of the Program
1	Electronics and Communication Engineering	2	Electrical and Electronics Engineering
3	Civil Engineering	4	Mechanical Engineering
5	Computer Science and Engineering	6	Petro Chemical Engineering
7	Information Technology	8	Chemical Engineering
9	Electronics and Instrumentation Engg.	10	Bio-Medical Engineering
11	Aeronautical Engineering	12	Automobile Engineering
13	Agricultural Engineering	14	Bio Technology
15	Electronics and Computer Engineering	16	Mining Engineering
17	Petroleum Technology/Petroleum Engg.	18	Metallurgical Engineering
19	Production Engineering	20	Pharmacy
21	Electronics and Control Engineering	22	Instrumentation and Control Engg.
23	Aviation Engineering	24	Power Engineering
25	Textile Engineering	26	Pharm. D
	In addition to the above the University also encourages the colleges to start New Courses in region specific emerging areas.		

PG Programs:

S. No.	Name of the Program	S. No.	Name of the Program
M. Tech			
1	Structural Engineering	2	Transportation Engineering
3	Infrastructure Engg. & Management	4	Soil Mechanics & Foundation Engg.
5	Power Electronics	6	Power & Industrial Drives
7	Power Electronics & Electrical Drives	8	Power System Control & Automation
9	Power Electronics & Drives	10	Power Systems
11	Power Systems Engineering	12	High Voltage Engineering
13	Power Electronics and Power Systems	14	Power System and Control
15	Power Electronics & Systems	16	Advanced Power Systems
17	Electrical Machines and Drives	18	Power Systems with Emphasis on High Voltage Engineering
19	Control Engineering	20	Instrumentation & Control
21	Control Systems	22	Thermal Engineering
23	CAD/CAM	24	Machine Design
25	Computer Aided Design and Manufacture	26	Advanced Manufacturing Systems
27	Systems and Signal Processing	28	Digital Electronics and Communication Systems
29	Electronics & Communications Engg.	30	Communication Engg. & Signal Processing
31	Communication Systems	32	Microwave and Communication Engg.
33	Telematics	34	Digital Systems & Computer Electronics
35	Embedded System	36	Communication Systems
37	VLSI	38	VLSI Design
39	VLSI System Design	40	Embedded System & VLSI Design
41	VLSI & Embedded System	42	VLSI Design & Embedded Systems
43	Computer Science & Engineering	44	Computer Science & Technology
45	Computer Science	46	Image Processing
47	Digital Image Processing	48	Computers & Communication
49	Computers & Communication Engineering	50	Computer Networks
51	Computer Networks & Information Security	52	Information Technology
53	Software Engineering	54	Neural Networks
55	Chemical Engineering	56	Biotechnology

57	Nano Technology	58	Remote Sensing
59	Food Processing Technology	60	Environmental Engg. and management
61	Renewable Energy Engineering	62	Pipeline Engineering
63	Avionics	64	Petroleum Engineering
65	Advanced Manufacturing and Mechanical Systems Design	66	Mechanical Engineering Design
67	Computer Aided Analysis Design	68	Thermal Sciences and Energy Systems
69	Soil Mechanics and Foundation Engineering	70	Geo Technical Engineering
71	Highway Engineering	72	Cyber Security
73	Spatial Information Technology	74	Signal Processing & Communications
75	Digital Electronics & Communication Engineering	76	Aerospace Engineering
77	Embedded Systems & VLSI	78	Chemical
79	Electrical Power Engineering	80	Electrical Power Systems
81	Telecommunications	82	Geo Informatics
83	Digital Signal Processing	84	VLSI & Micro Electronics
85	Communication & Signal Processing	86	Structural Design
87	Computer Aided Structural Analysis and Design	88	Bio-Informatics
89	Bio-Medical Engineering	90	Infrastructure Engineering & Management
91	Mechatronics	92	Power Systems & Power Electronics
93	M.S.- Occupational Health and Safety	94	M.S.-Health Science & Sports Technology
M. Pharmacy, MBA and MCA			
95	Pharmaceutical Analysis & Quality Assurance	96	Pharmaceutics
97	Pharmacology	98	Pharmaceutical Chemistry
99	Industrial Pharmacy	100	Pharmacy Practice
101	Clinical Pharmacy	102	Pharm. D (Post Baccalaureate)
103	Pharmacognocny	104	Pharmaceutical Analysis and Quality Control
105	Pharmaceutical Technology	106	Pharmacology and Toxicology
107	Pharmaceutical Management and Regularity Affairs	108	Pharmaceutical Analysis
109	Quality Assurance and Regularity Affairs	110	Pharmaceutical Technology
111	Pharmaceutical Analysis and	112	MBA

	Quality Control		
113	MTM	114	MAM
115	MCA	116	Integrated MCA

1.2.2 Give details on the following provisions with reference to academic flexibility

a. Core / Elective options

The undergraduate curriculum consists of two main components i.e. core courses with 30%-40% and professional courses with 20%-25% weightage. The core courses lay emphasis on concepts and principles. It involves teaching of subjects in Basic Sciences, Humanities & Social Sciences, Engineering and Technology. It is also emphasized to develop communication skills in English language. The Professional courses lay emphasis on system analysis, design, manufacturing and professional practice. There is in-built flexibility to encourage students to specialize in streams of their choice through a system of electives / choice based credit system (CBCS). The University strives to foster among its students a strong desire and capacity for continuous learning as well as self appraisal to develop genuine human & professional qualities and a strong sense of service to society through a designed curricular, co-curricular, extracurricular activities and congenial campus environment and also to enhance their entrepreneurship skills.

b. Enrichment courses

Courses in humanities and social sciences are incorporated to develop appreciation of the impact of science and technology on society. Some of these courses are Environmental studies, Communication Skills, Organizational behaviour, Human Values, Ethics and IPR & Patents. These are aimed at promoting value education and citizenship roles.

c. Courses offered in modular form

The University offers part time post graduate programmes (M.Tech) to enable working/executives persons to enhance their academic/research skills in specialized areas on roll in roll out basis.

d. Credit accumulation and transfer facility

University offers International Integrated Masters Degree Programme's (IIMDPs) with various specializations in particular CE, EEE, ME, ECE, CSE and Aviation Engineering in association with various international universities viz., BTH Sweden, AIT Bangkok and US Flight academy USA.

During the first 3½ years of study, course work is completed in respective colleges and remaining 1½ years will be completed in the respective Universities. Regarding credit accumulation, a student must study all the courses given in the course structure and meet the credit requirements as approved by the academic senate. A student will be allowed to continue in the program of his study only if he/she secures a minimum credits. By credit transfer the successful course completed candidates are sent to respective international universities to pursue post graduate degree in their choice of specialization.

Also, M.S in computer science and MBA programs exists in association with Chicago State University and Central Michigan University, USA respectively conducted on credit accumulation and transfer facility.

University accepts transfer of students from any other institution, as per the prevailing Central/State government norms.

1.2.3 Does the university have an explicit policy and strategy for attracting international students?

Yes, the University has an explicit policy of attracting international students. 15% over and above the sanctioned seats in each program/discipline are reserved for the Foreign National/Non Resident Indian/Persons of Indian Origin (FN/NRI/PIO) candidates. Such candidates are not required to appear in the Entrance Test. "NRI" candidates are those who have passed the qualifying examination as mentioned in the eligibility from abroad. They are required to produce Passport at the time of admission. "FN" candidates are those who are citizen of a country other than India. Persons of Indian origin (PIO) and wards of persons working in South East Asia also come under this category. 5% seats are reserved for wards of person working in South East Asia. The candidate must

have passed the qualifying exam on or before the last date of registration and the admission is made on the basis of merit of the aggregate marks in the qualifying exam. The candidates seeking admission under this category having foreign qualification are required to furnish equivalence certificate of qualifying examination from AIU/Higher Education Council.

University Participates in International Fairs/International Exhibitions to impart awareness to FN/NRI/PIO students. Also, conducts International Day for international students on first Sunday of every year to exhibit their culture and talent.

1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.

University conducts Bridge Programs for International Students to suit with the local academic environment.

JNTUK was able to attract the foreign students partially i.e. students of nearby (SAARK) and African countries only. Unable to attract the students of developed countries as suitable living facilities like International Hostels and proper food suited for foreign students are limited and the University is in the process of enhancing the facilities.

1.2.5 Does the university facilitate dual degree and twinning programmes? If yes, give details.

	Collaboration Universities	Place of Study		
		At JNTU KAKINADA	At BTH, SWEDEN	
International Integrated Masters Degree Programme (IIMDP) – 5 years duration	JNTUK and Blekinge Institute of Technology (BTH) SWEDEN)	1. B.Tech (ECE) –3 ½ years course of study 2. B.Tech (CSE) –3 ½ years course of study	Specializations for 1½ Years M.S. (Engineering) Course for ECE branch	Specializations for 1½ Years M.S. (Engineering) Course for CSE branch
			Telecommunications Systems (intake 40)	1. Computer Science (intake 20)

				2. Software Engineering (intake 20)
International Integrated Masters Degree Programme (IIMDP) – 5 years duration.	JNTUK and Asian Institute of Technology (AIT), Bangkok, Thailand.	3. B.Tech (CIVIL) Seats - 3 ½ years course of study 4. B.Tech (EEE) – - 3 ½ years course	At AIT, BANGKOK, THAILAND	
			Specializations for 1½ Years M.S. Course for CIVIL branch	Specializations for 1½ Years M.S. Course for EEE branch
			1. Construction, Engineering and Infrastructure Management (intake 20)	1. Energy Technology (intake 20)
			2. Remote Sensing and Geographic Information Systems (intake 20)	2. Micro Electronics (intake 20)
3. Environmental Engineering and Management (intake 20)				
4 years B.Tech Degree Programme	JNTUK and USFA- USA	5. B.Tech (AVIATION ENGINEERING) -2 years course of study and Last ½ year at JNTUK	At USFA, USA	
			B.Tech (AVIATION ENGINEERING) – 1 ½ years course of study with Associate of Applied Science (AAS) Professional Pilot licenses	

Continued Twinning Programs with International Institutions/Organizations:

1. MSIT Post Graduate Program with Consortium of Institutions of Higher learning in collaboration with Carnegie Mellon University, USA. It is multi-university inter-disciplinary post graduate programme which has projects centered curriculum and program is designed based on learning by doing concept.
2. IIMDP (5yr) Integrated International Masters Degree Program with B.Tech (EEE) and M.S. (i. Microelectronics, ii. Energy Engineering) with Asian Institute of Technology, Bangkok.

3. IIMDP (5yr) with B.Tech. (Civil Engg) and M.S. (a)Constructional Engineering (b)Remote sensing and GIS (c) Environmental Engineering Management) with Asian Institute of Technology, Bangkok.
4. IIMDP (5yr) with B.Tech (CSE) and M.Sc. (i. Computer Science ii. Software Engineering) with Blekinge Institute of Technology, Sweden.
5. IIMDP (5yr) with B.Tech (ECE) and M.Sc. ((a) Telecommunication Systems (b) Radio Engineering (c) Signal Processing) with Blekinge Institute of Technology, Sweden.
6. B.Tech(AME)-(4yr) with University of Highland and Island, Perth College, Scotland, UK.
7. B.Tech (Aviation Engg.) with US Flight Academy, Texas, USA.
8. M.Tech/M.Sc (2yr) (Telecommunication Systems), a DDP (dual degree program) with Blekinge Institute of Technology, Karlskrona, Sweden.
9. MBA (2yr) with Central Michigan University, USA
10. M. S in Computer Science with Chicago state University, USA

1.2.6 Does the university offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

Details of PG Self Finance Programmes offered in Constituent Colleges / Units of JNTUK, Kakinada-2015-16

S.No	Course	Specialization	Intake	Fee	Eligibility Criteria
1	M.Tech 2 years	VLSI Design	25	Rs. 35000/- per semester	B.Tech, B.E and equivalent degree in ECE/ECM/EEE/EIE who have secured 60% and above Marks are eligible for joining the Course through Entrance Examination conducted by JNTUK, Kakinada.

2	M.S 2 years	Sports Science & Applied Medicine	18	Rs. 25000/- per semester	M.B.B.S., BPT, BAMS, BHMS, B.U.M.S, BNYS, BDS, BPed, B. Pharmacy, B.Tech. (Bio Medical Engineering), B. Tech (Bio Technology) with 50% marks in the qualifying exam. are eligible.
3	M.S 2 years	Environmental Occupational Health & Safety	18	Rs. 25000/- per semester	M.B.B.S, B.Tech. (Any branch), B.Sc.(Nursing), BDS, M.Sc., (Physics, Chemistry, Math, Life Sciences etc.). Candidate should have 50% marks in the qualifying examination.
4	M.Tech (JNTUK) + M.Sc. (Sweden) 2 years	Telecommunica tions Systems International Programme	10	I Sem Rs.100000 (JNTUK) + II, III and IV Sems. 90000 SEK 1 SEK = Rs. 8.9	BE/BTech/AMIE in ECE, AMIE (Electronics and Telecommunication Engg.) / AMIETE (Electronics & Telematics Engg.), CSE, CSIT, IT or Equivalent qualifying degree. The Selection will be done as per the merit in the qualifying degree. Minimum 60% is needed to apply for this program

1.2.7 Does the university provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If 'yes,' give operational details.

The University allows graduate students to take courses online through Massive Open Online Courses (MOOCs). The students were given choice that either they can take online course or they can go for traditional face to face mode in the class room. Timetable is arranged such a way that student can attend the MOOCs classes without disturbing the normal face to face class room schedules.

- ❖ Massive Open Online Courses (MOOCs) are the same as that of regular courses w.r.t. credits, duration and evaluation. The main feature is that

they are handled by Internal/ External experts from Institutes of Higher Learning and Industry.

- ❖ The duration of the course is 16 weeks on par with regular semester.
- ❖ The University will identify a faculty member (Internal Mentor) to clarify and tutor the course from the university side in the respective colleges.
- ❖ The Internal faculty is the interface between the online expert and student and attends all the classes along with the students assisting in solving the assignments and clarifying the doubts. The Internal faculty will evaluate the internal scripts.
- ❖ Conducting any practical (if necessary)/ Virtual lab for that subject
- ❖ The Internal faculty will be a mentor and will be in a position to handle the subject on his own as standby. For the Internal faculty the MOOCs work load will be treated as regular work load.
- ❖ The University has multiple e-class rooms with necessary Infrastructure facilities such as Internet, system/laptop with i-ball claro TV, LCD projector, White screen, HD Camera with Tri-pod, PA system with Mikes and other accessories.
- ❖ JNTUK is using a E-Learning Tool for Distance Education, Video Conferencing Tool to conduct MOOCs courses for all its affiliated colleges.

The following MOOCs Courses are offered by JNTUK

Sl. No	Year	Name of the subject	Name of the Department
1.	III Yr II Sem.	Environmental Engineering	Civil Engineering
2.	III Yr II Sem.	Refrigeration & Air Conditioning	Mechanical Engineering
3.	III Yr II Sem.	Web Technologies	Computer Science & Engineering
4.	III Yr II Sem.	Data ware housing & Mining	Computer Science & Engineering
5.	III Yr II Sem.	Design & Analysis of	University of Berkeley,

		Algorithms	Extension centre, California.
6.	II Yr II Sem.	Analog Communications	Electronics & Communication Engineering

1.2.8 Has the university adopted the Choice Based Credit System (CBCS)? If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?

University partially implemented CBCS.

Status on Implementation of CBCS at UG/PG level.

The need to ensure minimum acceptable standards and quality in curricula of Engineering Colleges spread across the University and recent technological advances have necessitated development of CBCS based Curriculum for various disciplines of Engineering

University has taken up curriculum development and up gradation based on following recommendations of the regulatory bodies:

- ❖ A common first year syllabus with sufficient emphasis on Hum. & Science and Management subjects shall be adopted for all branches of engineering.
- ❖ The contact hours per week should normally be kept at about 30 hours.
- ❖ Weightage of 15-20% shall be given to non-professional (Basic Sciences and Humanities) subjects and about 10% to Management subjects.
- ❖ Normally the curriculum should include a Major Project of minimum 8 credits in Final Year (2 credits in 7th semester and 6 credits in 8th semester). Emphasis should be given to industry sponsored projects.
- ❖ Wherever possible the students in 3rd & 4th year should be involved in group discussions on topics of current trends in Engineering & Technology. (No credit).

Curriculum design and R13 regulations of the University are framed based on the recommendations of AICTE and giving flexibility for the student as per CBCS.

In order to meet the demand of changing trends and emerging areas a student be given a choice to choose subjects offered as electives which consist of a professional elective (PE) of 12 Credits and an open elective (non departmental elective) of 4/8 Credits.

Model adopted based on four components as follows:

- ❖ Basic sciences (physics, mathematics, chemistry, and biology), humanities, social sciences, and soft skills
- ❖ Engineering sciences and technical arts (computing, basic electronics, workshop, engineering drawing, thermodynamics, etc.)
- ❖ Discipline courses (courses in the specific discipline in which the degree is to be granted) and
- ❖ Open electives

While each component would have compulsory and elective courses, it is good to have a few open elective credits so that students can do different elective credits of a particular component.

1.2.9 What percentage of programmes offered by the university follow:

Annual system Semester system Trimester system

All The courses offered by University are semester based

1.2.10 How does the university promote inter-disciplinary programmes? Name a few programmes and comment on their outcome.

An interdisciplinary program involves the combining of two or more academic disciplines into a new program. It is about creating something new by crossing boundaries, and thinking across them. It is related to an interdisciplinary field, which is an organizational unit that crosses traditional boundaries between academic disciplines or schools of thought, as new needs and professions emerge. It can likewise be applied to complex subjects that can only be understood by combining the perspectives of two or more fields.

The interdisciplinary study allows the student to learn by making connections between ideas and concepts across different disciplinary boundaries. Students learning in this way are able to apply the knowledge gained in one discipline to another different discipline as a way to deepen the learning experience. The most effective approach to interdisciplinary study enables students to build their own interdisciplinary pathway by choosing courses which make sense to them. Interdisciplinary teaching and learning is maximized when professionals from different disciplines work together to serve a common purpose and to help students make the connections between different disciplines or subject areas.

One of the recently started programs is an M.Tech. Pipeline Engineering offered by the Department of PE & PCE, UCEK (A), JNTUK. If the course structure of the I& II Semesters are examined, it can be understood how this interdisciplinary program is synthesized from multidiscipline of engineering.

I Semester:

Sl. No.	Subject
1	Advanced Numerical Methods and Applied Statistics: Engineering Mathematics
2	Pipeline Route Selection & Surveying : Civil Engineering
3	Transportation of Petroleum, Petroleum Products and Natural Gas: Chemical Engineering
4	Pipeline Project Evaluation and Management: Management specialized in Pipelines
5	Pipeline Engineering – 1: Design- Chemical Engineering / Mechanical Engineering
6	Pipeline Engineering – 2: Construction: Mechanical Engineering/ Civil Engineering
7	Advanced Numerical Methods and Applied Statistics Lab (MATLAB Based)
8	Industrial Visits (Minimum 3 Industries)

II Semester:

Sl. No.	Subject
1	Pipeline Engineering – 3: Operations & Maintenance- Mechanical Engineering/ Instrumentation/Electrical Engineering/ Electronics & Communications Engineering
2	Pipeline Risk Management : Pipeline Engineering Professionals/ HSE

	professionals
3	Pumps, Compressors and Prime movers: Mechanical Engineering/ Chemical Engineering
4	Pipeline Network Analysis: Chemical Engineering/Civil Engineering
5	Pipeline System Automation &Control: Electronics & Communications Engineering, Instrumentation Engineering/ Electrical Engineering
6	Pipeline Economics, Laws & Policies: Management specialized in pipeline industry
7	Pipeline Simulation and Analysis Lab: Chemical Engineering
8	Summer Training (6-8 weeks): Pipeline Industry

General Outcomes

Making connections between different concepts is essential in interdisciplinary study. Some of the benefits:

- ❖ Students are highly motivated as they have a vested interest in pursuing topics that are interesting to them. As a result, the content is often rooted in life experiences, giving an authentic purpose for the learning and connecting it to a real world context. Consequently, the learning becomes meaningful, purposeful and deeper resulting in learning experiences that stay with the student for a lifetime.
- ❖ Students cover topics in more depth because they are considering the many and varied perspectives from which a topic can be explored.
- ❖ Critical thinking skills are used and developed as students look across disciplinary boundaries to consider other viewpoints and also begin to compare and contrast concepts across subject areas.
- ❖ Students begin to consolidate learning by synthesising ideas from many perspectives and consider an alternative way of acquiring knowledge.
- ❖ Exploring topics across a range of subject boundaries motivates students to pursue new knowledge in different subject areas.
- ❖ Transferable skills of critical thinking, synthesis and research are developed and are applicable to future learning experiences.
- ❖ Interdisciplinary knowledge and application of different disciplines can lead to greater creativity.

Specific Outcome

- ❖ The candidates who graduate in pipeline engineering will be recruited by pipeline industry as they are preferred over the candidates graduated in a single discipline

because of their academic training in multidisciplinary subjects of engineering needed for pipeline industry.

- ❖ Our country has a sizable pipeline industry with 15,000 km pipelines that transport crude oil, natural gas and other petroleum products. There are new projects for laying of another 15,000 km of pipelines. As there exists a large potential of pipeline engineers the fresh candidates can take up their careers in pipeline industry.
- ❖ The pipeline engineering graduates will be able to serve the industry better with their interdisciplinary knowledge.

1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

The University follows a continuous review system of the curriculum. Periodic reviews of the curriculum is carried out for every three years however, minor reviews also take place every year based on the need and directions from regulatory authorities. While framing the curriculum, feedback from industry, alumni and other stake holders are taken into account. As such, the system has an in-built flexibility for the changes. The minor changes in the curriculum, based on the feed-back from the stakeholders, can be implemented at any point of time with the approval of the academic senate. The inputs from all the stake holders from industry regarding the course contents to be taught is considered in this revision proces sincorporating socially relavant and job oriented courses like Environmentl Science, Communication Skills, latest advanced courses like Nano Technology and Non Conventional Energy resources. Experts from industry are there in the Board of Studies of each Department/School.

1.3.2 During the last four years, how many new programmes at UG and PG levels were introduced? Give details.

- * Inter-disciplinary
- * programmes in emerging areas

The following new programs have been introduced during the last 4 years.

UG Programs:

S. No.	Name of the Program	S. No.	Name of the Program
1	Petro Chemical Engineering	2	Mining Engineering
3	Chemical Engineering	4	Metallurgical Engineering
5	Bio-Medical Engineering	6	Pharmacy
7	Automobile Engineering	8	Instrumentation and Control Engg
9	Bio Technology	10	Power Engineering
11	Aeronautical Engineering	12	Electronics and Computer Engineering
13	Agricultural Engineering	14	Petroleum Technology/Petroleum Engg.
15	Electronics and Control Engineering	16	Production Engineering
17	Aviation Engineering	18	Textile Engineering
19	Pharm. D		
	In addition to the above the University also encourages the colleges to start New Courses in region specific emerging areas.		

PG Programs:

S. No.	Name of the Program	S. No.	Name of the Program
M. Tech			
1	Telematics	2	Transportation Engineering
3	Infrastructure Engg. & Management	4	Instrumentation & Control
5	Power Electronics and Power Systems	6	Advanced Manufacturing Systems
7	Power Electronics & Systems	8	Digital Electronics and Communication Systems
9	CAD/CAM	10	Communication Engg.&Signal Processing
11	Computer Aided Design and Manufacture	12	Microwave and Communication Engg.
13	Systems and Signal Processing	14	Computer Science & Technology
15	Electronics & Communications Engg.	16	Image Processing
17	Digital Image Processing	18	Computers & Communication
19		20	Computer Networks
21	Computer Networks & Information Security	22	Electrical Power Systems

23	Communication & Signal Processing	24	Neural Networks
25	Chemical Engineering	26	Biotechnology
27	Nano Technology	28	Remote Sensing
29	Food Processing Technology	30	Environmental Engg. and management
31	Renewable Energy Engineering	32	Pipeline Engineering
33	Avionics	34	Petroleum Engineering
35	Advanced Manufacturing and Mechanical Systems Design	36	Geo Informatics
37	Computer Aided Analysis Design	38	Thermal Sciences and Energy Systems
39	Spatial Information Technology	40	Cyber Security
41	Electrical Power Engineering	42	Signal Processing & Communications
43	Telecommunications	44	Aerospace Engineering
45	Digital Signal Processing	46	VLSI & Micro Electronics
47	Computer Aided Structural Analysis and Design	48	Structural Design
49	Bio-Medical Engineering	50	Bio-Informatics
51	Mechatronics	52	Infrastructure Engineering & Management
53	M.S.- Occupational Health and Safety	54	Power Systems & Power Electronics
55	M.S.-Health Science & Sports Technology	56	Pharmaceutics
57	Pharmaceutical Analysis & Quality Assurance	58	Pharmaceutical Chemistry
59	Pharmacology	60	Pharmacy Practice
61	Industrial Pharmacy	62	Pharm. D (Post Baccalaureate)
63	Clinical Pharmacy	64	Pharmaceutical Analysis and Quality Control
65	Pharmacognocny	66	Pharmacology and Toxicology
67	Pharmaceutical Technology	68	Pharmaceutical Analysis
69	Pharmaceutical Management and Regularity Affairs	70	Pharmaceutical Technology
71	Quality Assurance and Regularity Affairs	72	MBA
73	Pharmaceutical Analysis and Quality Control	74	MAM
75	MTM	76	Integrated MCA
77	MCA	78	

1.3.3 What are the strategies adopted for the revision of the existing programmes?
What percentage of courses underwent a syllabus revision?

The existing programs are revised both reactively as well as proactively. The need is identified from the feedback from the students and/or analysis of data of their performance. Periodic design changes are also effected to offset the obsolescence of the design or if a need for change is realized. All the steps as required for initial design & development are followed for effecting and incorporating changes. Review is carried out and changes are documented. Records of the results of the review are maintained. All the UG and PG programs were revised during 2013 and prior to that during 2010. Minor changes are affected as and when needed with the approval of the academic senate. The revision process follows the same approval process as described for new programs. Portions in each subject are updated in existing courses and 10-20% new courses are introduced as elective subjects

1.3.4 What are the value-added courses offered by the university and how does the university ensure that all students have access to them?

The University has introduced value added courses such as Human Values, Ethics and IPR. Considering the need for further career training and opportunities, Environmental Studies, Organization behaviour etc. have also been introduced. New UG and PG programs including specialized MBA programs for the development of skills, for the promotion of community orientation and for career training, entrepreneurship orientation have been introduced.

❖ The following Industry oriented MOOCs courses were offered by JNTUK to its constituent & affiliated colleges by various subject experts

1. Big Data Analytics : Credit course (For CSE/IT) Elective offered by Prof. D. Jankiram, I.I.T. Chennai
2. Advanced Computer Aided Engineering (ACAE): Credit course (For Mechanical) Elective offered by CYIENT (formerly INFOTECH Ltd.) Project Engineers.

3. Software Engineering in Practice: Audit Course (For CSE/IT) offered by Prof.C. Pratap, University of California Berkeley Extension Centre. (CEO of Lensoo).

All these subjects were conducted online through e-learning tools so that no student misses the class. The following steps are adopted for implementing MOOCs.

- ❖ The MOOCs will be identified by JNTUK based on the Employability requirement and current need.
- ❖ The subject's expert will be chosen from Internal faculty, foreign universities, premier institutes and reputed corporate companies such as TCS, INFOSYS and INFOTECH Ltd.
- ❖ The syllabus will be approved by Academic Senate and BOS of the University and respective autonomous colleges.
- ❖ The credits will be given to the MOOCs subjects as per University norms.
- ❖ The course material will be supplied in advance; assignments, question papers and scheme of evaluation will be given periodically by external experts.

1.3.5 Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

Government sanctioned Skill Development Centre to enhance the employability of the students of the University both in the Constituent as well as affiliated colleges.

- ❖ University in association with Andhra Pradesh State Skill development Centre(APSSDC), NASSCOM and CII conducts Skill development programs for enhancing the skills of Student/faculty of the constituent/affiliated colleges

1.4 Feedback System

1.4.1 Does the university have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

Student Feedback mechanism is in place and obtained from all the students

regarding the curriculum. The feedback is obtained online using Google forms (<https://docs.google.com/forms/d/1ehvnjJrWe1f4xN6cSz-BaQIwtY9ZN0D2rK0Q8kJMC8I/viewform>) at end of the semester and also through discussions with individual students.

Student Feedback is taken for every course in each semester and the information is shared with the faculty for consideration and probable modifications in the curriculum.

(<https://docs.google.com/forms/d/1dZIEXBA0ODWvQjlmAHKXXHNRA11cFi2AwQj44K97ZR0/viewform>)

1.4.2 Does the university elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.

Feedback from National and International faculty is taken periodically and appropriate changes are incorporated after thorough discussions and approvals from BoS and subsequently from Academic Senate. The feedback is obtained online using Google forms. JNTUK has huge Alumni strength and the expertise is utilized effectively from those excelling in Academia as well as Industry globally. Feedback is taken from International/National faculty and the information is shared with the faculty for consideration and probable modifications in the curriculum. The feedback is utilized in constant upgradation towards quality

(<https://docs.google.com/forms/d/1dZIEXBA0ODWvQjlmAHKXXHNRA11cFi2AwQj44K97ZR0/viewform>)

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.

Faculties from affiliated colleges are also nominated as members of Board of Studies. Even the faculty from remote colleges are also nominated on BoS, to get their suggestions and also to understand inconveniences they face in teaching their subjects. They participate in the meetings held twice in a year to discuss academic issues including curriculum enrichment. Many departments in Schools

of Studies conduct workshop where college faculty gets opportunity to discuss curriculum revision.

The feedback is taken from various affiliated colleges and the modifications are incorporated with the approval from concerned BoS after approval from Academic senate.

1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the university in ensuring the effective development of the curricula?

As regards to quality sustenance and quality enhancement, JNTUK undertakes following measures:

- ❖ All the departments in JNTUK have adopted uniform pattern of examination so that students have greater flexibility.
- ❖ Students can choose from a large number of optional subjects in a given course as per their interest particularly in Third Year Second Semester in UG and the third and fourth semester of the PG programme.
- ❖ Feedback is obtained from all students before completing their programme.
- ❖ Analysis of student's feedback is reviewed in the staff council meeting of the particular department. .
- ❖ Internal quality sustenance and quality enhancement are done through IQAC members.
- ❖ Apart from regular revision of existing curriculum, new courses relevant to industry are added to the list every year. Many other optional value-added courses are likely to be included for greater diversity with wider options.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the university ensure publicity and transparency in the admission process?

The university ensures publicity and transparency in the admission process by publicizing the information on admissions in the following media. The transparency is also ensured in the admission process as the centralized admissions are administered for UG and PG programmes by APSICHE through web counseling.

- ❖ University Prospectus
- ❖ Institute Website
- ❖ Advertisement in Regional / National news papers
- ❖ Web counseling process administered by APSICHE

2.1.2 Explain in detail the process of admission put in place by the university. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the university (please specify).

Programme	Common Entrance Test	Criteria for Admission
B. Tech	EAMCET Administered by APSICHE	Merit with entrance test
M. Tech	GATE conducted by IITs PGCET conducted by APSICHE	Merit with entrance test
Ph.D	Admission test conducted by JNTUK	Merit with entrance test and interview

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same.

The admission process in the affiliated colleges is same as the process followed by JNTUK in the constituent colleges. The university will monitor the admissions made under the categories of “Management Quota” and under “Spot Admissions” through Directorate of Academics and Planning.

2.1.4 Does the university have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

Yes. JNTUK has mechanism in place to review its admission process and make recommendations to APSCHE which administers common entrance test. The profiles of students admitted under the categories of “Management Quota” and “Spot Admissions” are verified annually by JNTUK.

2.1.5 What are the strategies adopted to increase / improve access for students belonging to the following categories:

SC/ST	APSCHE which administers common entrance test EAMCET, adopts set strategies and guidelines of the Govt. of AP to improve access to students of different categories. The fee reimbursement scheme is one of such strategies
OBC	
Persons with varied disabilities	
Economically weaker sections	
Outstanding achievers in sports and other extracurricular activities	

2.1.7 Has the university conducted any analysis of demand ratio for the various programmes of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

No. It is proposed and in process.

2.1.8 Were any programmes discontinued/staggered by the university in the last four years? If yes, please specify the reasons.

No

2.2 Catering to Student Diversity

2.2.1 Does the university organize orientation / induction programme for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

Yes. The University organizes the following programmes

Type of Programme	Duration	Issues covered	Experts
Orientation Programme	One day	Student culture acclimatization for new environment Library facilities Student activities NSS, NCC	The Principal The Vice Principal Heads of the Departments Senior faculty
Sensitization on Ragging	One Day, Once in a Semester in first year	Ragging Fooling Eve teasing Decency Women empowerment	The Superintendent of Police The District Police Officials The Principal The Vice Principal Heads of the Departments

2.2.2 Does the university have a mechanism through which the "differential requirements of the student population" are analysed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

The performance in entrance test EAMCET is a measure of the depth of knowledge and skills of the students who get admission into the university. The differential requirements of the students are assessed after the performance in the first semester and remedial classes are conducted to suit differential requirements.

2.2.3 Does the university offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

Yes, the university offers bridge / remedial courses specific to any programme. The subjects are identified by student request as per their requirement. The courses are conducted outside the slots of the time table.

2.2.4 Has the university conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?

The university analyzes the performance of students from different sections of the society, in the semester examinations and finds the patterns in the academic growth. The following are the findings.

1. The students from rural areas lack in English language skills.
2. The students from Telugu medium back ground lack in understanding of the subjects

The issues related to above students are addressed through student councillors. The University campus colleges have students with better ranks and fare well along with other students. However, issue needs organized approach to handle in affiliated engineering colleges.

2.2.5 How does the university identify and respond to the learning needs of advanced learners?

The university identifies the advanced learners and their learning needs through faculty – student interactions, feedback and curricular activities. The advanced learners will be encouraged to

1. Search research publications of relevance in digital library
2. Learn some of the additional subjects through MOOCs and
3. Associate with research and consultancy works in the departments
4. Foster innovative ideas to students through Incubation center startups.

2.3 Teaching-Learning Process

2.3.1 How does the university plan and organise the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?

The Director (Academics and Planning) will plan and prepare all schedules for academic activities in consultation with all the stake holders in the system.

The class work (teaching-learning) is conducted according to the approved academic calendars announced well in advance for every academic year. The evaluation of answer

scripts of mid examinations is taken up during the semester. The evaluation of answer scripts of end examinations is taken up during and after the semester and during the semester break as it is a continuous process due to conduct of both regular as well as supplementary examinations by external examiners.

2.3.2 Does the university provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Yes. The university provides course outlines and course schedules ahead of the commencement of the academic session. The university prepares a booklet which specifies course structure and syllabi issued to all the students at the time of admissions and faculty.

2.3.3 Does the university face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

No. The university does not face any difficulty in completing the curriculum within the stipulated time frame under normal circumstances. However the university conducts special classes on holidays and Sundays if regular class work could not be conducted due to agitations, bandhs and dharnas

2.3.4 How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

The faculties are exposed to student learning styles and levels of learning according to Bloom's Taxonomy. The faculty prepares lecture plans and session plans in organized manner such that they follow organized procedures for content delivery, how the content is delivered, the teaching aid, the role of student, and expected outcome. All these lead to student centric practices. Relevant courses are introduced in curriculum to deal with life skills, value education, holistic personality development and need for life long learning. The following are the teaching methodologies adopted in the institution.

- ❖ Chalk and talk
- ❖ Technology enhanced learning (LCD Projector, OHP)
- ❖ Exposure to NPTEL resources
- ❖ Facilitated learning through MOOCs
- ❖ Field visit (on site demonstration and experimental learning)
- ❖ Guest lecturers / seminars
- ❖ Project works

2.3.5 What is the university's policy on inviting experts / people of eminence to deliver lectures and/or organize seminars for students?

The university encourages exposure to external expertise and talent. The experts from foreign universities, IIT's , NIT's and other universities are often invited to deliver guest lectures and key note addresses in seminars and conferences. The university is a member of IUCEE (Indo US Collaboration for Engineering Education) , which will help us to get faculty from US universities to deliver lectures. University / College Alumni play a key role in helping students enriching with knowledge and their expertise.

2.3.6 Does the university formally encourage blended learning by using e-learning resources?

Yes, the university encourages the faculty to adopt latest teaching methodologies. The active learning methods, flip class room and blended learning approaches are adopted by the faculty. The faculty of the university use in house e-learning resources and e-resources from NPTEL. Every class room is modified and equipped with projectors to adopt advanced teaching aids.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?

The university creates the change in teaching- learning processes by embracing the technology. The university has e-learning resources developed in house apart from the

open education resources of NPTEL. The e-studio facilitates live streaming and webcasting of important lectures by invited faculty. Virtual Lab is introduced in First year course Structure also.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the university's educational processes?

The university has a separate Directorate of Centre of Excellence for E Resource Development and Deployment to create and monitor the effectiveness of Open Resources used by the faculty and students.

2.3.9 What steps has the university taken to orient traditional classrooms into 24x7 learning places?

The university believes in creating change rather than following the change. The university has made all the departments to embrace technology enhanced learning by converting the traditional classrooms into 24x7 learning environments. This is being implemented in a phased manner. Every class room is being upgraded to accommodate learning features.

2.3.10 Is there a provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

All the faculty of the university assume the roles of counselor / advisors to monitor and advice the students in their academic and personal growth. Each faculty is assigned around 15 students and he/she will be in touch with the students to listen to them and share their ideas about academic and personal development. The faculty will pay special attention to any routine as well as psychological and other adjustment issues of the students.

2.3.11 Were any innovative teaching approaches/methods/practices adopted/put to use by the faculty during the last four years? If yes, did they improve learning? What were the

methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

Innovative Teaching Approaches Adopted	Effect on Learning	Methods of Innovative Teaching Methods	Recognition for Innovation in Teaching
<ul style="list-style-type: none"> * Learner centric practices replaced with Teacher centric practices * Facilitation for learning replaced teaching * PPTs animation and Videos are being used to supplement lecture mode (Blending Learning) * Exposed to E learning * On line Learning * LMS * MOOCs * Flip Class room Concepts 	<ul style="list-style-type: none"> * Attention span of students increased * Collaborative learning * Interaction with students improved 	<ul style="list-style-type: none"> * The acceptance of innovative methods is evaluated from feedback of students. * The marginal increase in academic performance, as students yet to adapt to new methodologies * The increase in scholarly activities of the students 	<ul style="list-style-type: none"> * The teachers who create change in teaching processes are given best teacher awards * Given weightage by self assessment in promotions under CAS

2.3.12 How does the university create a culture of instilling and nurturing creativity and scientific temper among the learners?

The university always creates opportunities for students to get exposure to latest knowledge and ideas so that they imbibe new thinking and diverse thinking. The International and National Seminars, Workshops, Guest Lectures, Webinars, Student Conferences etc. are some of the means through which the students nurture creativity. The students are also encouraged to participate in workshops and student organized technical events to have interaction with other peer groups and understand developments outside the campus.

2.3.13 Does the university consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?

* Number of projects executed within the university: 80%

* Names of external institutions associated with the university for student project work

NFCL Vizag Steel Plant ISRO DRDO BHEL

Coromandel Fertilizers and other organizations.

* Role of faculty in facilitating such projects

The faculty interacts and identifies industries which will host the students for their projects works. The faculty also identifies the nature and type of projects work for a student based on merit and interest of the student.

2.3.14 Does the university have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

Yes. the university has a well qualified pool of human resource to meet the requirements of the curriculum. University has good number of Professors, Associate Professors, and Professors from reputed institutes like IITs, NITs. In case of newly initiated courses recruitment process is in progress. The services of faculty on contract basis are utilized whenever needed.

2.3.15 How are the faculty enabled to prepare computer-aided teaching/ learning materials? What are the facilities available in the university for such efforts?

All the faculty are computer savvy to prepare computer aided teaching/learning materials. The university provides lap tops, internet and printer facilities for all the faculty.

2.3.16 Does the university have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

Yes. The university has a mechanism for the evaluation of teachers by students. The students will give feedback on the teachers at the end of each semester. The feedback is

used to identify the gaps and lapses on the part of the teacher. The faculty is advised improve in those areas of deficiency.

2.4 Teacher Quality

2.4.1 How does the university plan and manage its human resources to meet the changing requirements of the curriculum?

The university has experienced faculty recruited through sanctioned faculty positions by the Govt. of Andhra Pradesh. The positions are filled whenever the vacancies arise through recruitment. The faculty will have opportunity to upgrade themselves through participation in Conferences, Workshops in India and abroad and training programmes to update the knowledge to meet challenging requirements of the curriculum. The additional faculty requirements are met by engaging the services of faculty on contract basis.

2.4.2 Furnish details of the faculty

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D Sc. / D. Litt							
Ph.D	38	8	13	6	4	4	73
M. Phil							
PG			1		39	25	65
Temporary Teachers							
Ph D					3	1	4
M.Phil					9	1	10
PG					41	26	67
Part time Teachers							
Ph D							7*
M.Phil							
PG							

2.4.3 Does the university encourage diversity in its faculty recruitment? Provide the following details (department / school-wise).

Department / School	% of Faculty from Same University	% Faculty from other Universities with in the state	% Faculty from other Universities outside the state	% Faculty from other Universities outside the Country
Civil	26	52	22	Nil
EEE	15	65	20	Nil
Mech	15	65	20	Nil
ECE	5	85	5	5
CSE	45	55	Nil	Nil
IT	38	62	6	Nil

2.4.4 How does the university ensure that qualified faculty are appointed for new programmes / emerging areas of study (Biotechnology, Bio-informatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?

The university ensures that qualified faculty are appointed for newly programmes (Biotechnology) as recruitment takes place through well administered written test and interviews. The experts from IIT's, NIT's and other reputed universities associate with selection of the candidates for various positions. The recruitment to faculty is due as approval from Government has been received recently and procedures are to be initiated.

2.4.5 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the university?

Department / School	Emeritus	Adjunct Faculty	Visiting Professors
Civil	--	--	
EEE	--	--	

Mech	--	--	
ECE	--	--	
CSE	--	--	
Others	--	--	
Total	--	--	

2.4.6 What policies/systems are in place to academically recharge and rejuvenate teachers (e.g. providing research grants, study leave, nomination to national/international conferences/ seminars, in-service training, organizing national/international conferences etc.)?

The university encourages and extends support to teachers for academic and professional development.

Type of Activity	Policy / System
Providing research grant	The university bears incidental expenses of the faculty when they apply for research projects from UGC, AICTE, DST, DRDO and others.
Study Leave	The faculty are allowed study leave for pursuing higher qualifications and PhD's
Nomination to National / International / Conferences / Seminars	The faculty are provided registration fee, TA and DA for attending National and International Conferences/Seminars
In service training	The university has separate directorate for Faculty Development. It takes care of training needs of all the faculty in subject areas and teaching learning processes.
Organizing national/ International conferences	The university encourages all the departments to conduct National /International conferences with financial support from TEQIP and UGC grants. Every department conducts one / two programmes every year.

2.4.7 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

The following 8 faculty have received Best teacher awards from the Government of Andhra Pradesh during last four years.

Dr. V. Dakshina Murthy Physics 2012-13

Dr. B. Prabhakara Rao ECE Department 2012-13

Dr. V. Ravindra Civil Engineering Department 2013-14

Dr. G. Rangajanardhana Mechanical Engineering Department 2013-14

Dr. K. Padma Raju ECE Department 2014-15

Dr. JVR Murthy CSE Department 2014-15

Dr. KVSG Murali Krishna Civil Engineering Department 2015-16

Dr. V. Ramachandra Raju Mechanical Engineering Department 2015-16

2.4.8 How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?

Academic Staff Development Programmes	Number of Faculty
Refresher Courses	20
HRD Programmes	12
Orientation Programmes	15
Staff Training conducted by the University	100
Staff Training conducted by the University	80
Summer / Winter Schools , Workshops etc	70

2.4.9 What percentage of the faculty have

Been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies? 15%

Participated in external Workshops / Seminars / Conferences recognized by national / international professional bodies? 25%

Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies? 20%

Teaching experience in other universities / national institutions and other institutions? 5%

Industrial engagement? 5%

International experience in teaching? 5%

2.4.10 How often does the university organize academic development programmes (e.g.: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

The university organizes the academic development programmes on a regular basis and the Directorate of Faculty Development has conducted the following programmes towards enriching the teaching –learning process.

Sl. No	Programme	Dates	Conducted by	Beneficiaries
1	Proven Strategies for Effective Teaching	2.1.2012 to 4.1.2012	Indo US Collaboration for Engineering Education (IUCEE)	47
2	Computer Organization	02.01.2012 to 07.01.2012	Faculty of JNTUK	42
3	Proven Strategies for Effective Teaching	5.1.2012 to 7.1.2012	Indo US Collaboration for Engineering Education (IUCEE)	50
4	Digital Signal Processing	23.01.2012 to 28.01.2012	JNTU, Kakinada & University College of Engineering, Kakinada	35
5	Advanced Control Systems	23.01.2012 to 28.01.2012	JNTU, Kakinada & University College of Engineering, Kakinada	50
6	Information Security	23.01.2012 to 28.01.2012	Faculty of JNTUK	45
7	Communication and Presentation Skills for Faculty	04.06.012 to 09.06.2012	CFBT Education Services, Hyderabad	32
8	Communication and Presentation Skills for Faculty	11.06.012 to 16.06.2012	CFBT Education Services, Hyderabad	31
9	Communication and Presentation Skills for Faculty	20.06.2012 to 26.06.2012	CFBT Education Services, Hyderabad	40
10	Teacher Training Programme on Advanced Computer Architecture	02.07.2012 to 07.07.2012	JNTU, Kakinada & LBR College of Engineering, Mylavaram	37
11	Teacher Training Programme on	09.07.2012 to 14.07.2012	JNTU, Kakinada & St. Ann's College of	22

	Electronic Devices and Circuits		Engineering and Technology, Chirala	
12	Teacher Training Programme on Computer programming	16.07.2012 to 21.07.2012	JNTU, Kakinada & Shri Vishnu Engineering College for Women, Bhimavaram	23
13	Outcome Based Engineering Education	05.02.2013	Dr. PG Sastry, Former Principal, NIT Warangal	186
14	Workshop on “Redesigning of Engineering Curriculum in the Context of Outcome Based Learning”	24.2.2013 and 25.2.2013	Dr. S. S. Mahantha AICTE Chairman Dr. Paliwal, Member Secretary NBA	156
15	Workshop for Training Resource Person on Outcome Based Accreditation - Phase I	29-04-2013	Dr. S. J. Tiruvengadam Professor, Dept. of ECE, Thiagarajar College of Engineering, Madurai	70
16	Workshop for Training Resource Person on Outcome Based Accreditation - Phase II	16 to 18 May 2013	Dr. P. L. K. Palaniappan, Associate Professor, Dept. of Mechanical Engg. Thiagarajar College of Engg. Dr. P. Sravana, Hyderabad	50
17	Orientation Programme for New Faculty	13 To 15 June 2013	M/S Vanguardz Ltd, Hyderabad	47
18	Orientation Programme for New Faculty	13 To 14 July 2013	Matthew Ohland, Purdue University USA	41
19	Orientation Programme for New Faculty	17 To 18 July 2013	Matthew Ohland, Purdue University USA	40
20	NBA Work Shop-Phase I	13-09-2013	Dr. Y. Raja Rao, Professor of ECE, V. R. Siddhartha College of Engineering, Vijayawada	41

21	NBA Work Shop-Phase I	13-09-2013	Dr. U. Mallikarjun Head, Dept. of Mech. Engg. Siddaganga Institute of Technology Tumkur	51
22	NBA Work Shop-Phase II	26-09-2013 To 28-09-2013	Dr. Y. Raja Rao, Professor of ECE, V. R. Siddhartha College of Engineering, Vijayawada	42
23	NBA Work Shop-Phase II	26-09-2013 To 28-09-2013	Dr. U. Mallikarjun, Head, Dept. of Mech. Engg. Siddaganga Institute of Technology, Tumkur.	35
24	NBA Work Shop-Phase I	03-02-2014	Dr. H. V. Kumar Swamy	31
25	NBA Work Shop-Phase II "Resource Persons and Evaluators on Outcome Based Accreditation"	15.02.2014 to 17.02.2014	Dr. K. Rajasekhar Reddy Global Mind Consultancy	66
26	Orientation Programme for Physical Directors of Affiliated Colleges of JNTUK, Kakinada	14.07.2014 to 19.07.2014	Dr. K. V. S. G. Murali Krishna, Dr. Y. Kishore (ANU), Dr. D. Vijayalakshmi, Dr. G. Suvarna Lakshmi (UCEV JNTUK), E. Suneeta K. Ratna Kumari Dr. P. Jhonson, Dr. Rama Subba Reddy, Dr. M. Srinivasulu, Dr. Bhaktiyar Choudari, Dr. Y. Gopi Krishna	77
27	Early Faculty Induction Programme	06.10.2014 to 11.10.2014	Dr. S. Viswanadha Raju, Dr. K. Purnanandam	113
28	Faculty Development Programme in Engineering Mechanics	25.5.2015-27.5.2015	CFBT Education Resource Management Pvt. HYD. Dr. K. V. S. G. Murali Krishna, Dr. L. Pratap Reddy, Dr. G. Suvarna Lakshmi,	47

			Dr. G. Tulsi Ram Das, Dr. P. Udaya Bhasakar, Dr. V. Ravindra, Dr. D. Vijaya Lakshmi, Dr. S. Srinivasa Kumar, Dr. V. Ramachandra Raju Dr. S. Viswanadha Raju, Dr. K. Purnanandam	
29	Faculty Development Programme in Engineering Drawing	02.9.2015-05.9.2015	Dr. B.V.R. Gupta, AU, Dr. G. Rangajanardhana, Dr. V.V. Subba Rao, Dr. A. Swarna Kumari, Sri L Vinod Babu, Dr K.V.S.G. Murali Krishna	40
30	One Day Seminar on “Leadership and Communication Skills”		Dr Garikipati Narasimha Rao Sri. L. Venugopal Dr K.V.S.G. Murali Krishna	100

2.4.11 Does the university have a mechanism to encourage

- * Mobility of faculty between universities for teaching?
- * Faculty exchange programmes with national and international bodies?

Yes

Faculty are encouraged to attend Winter and Summer orientation and other academic programmes conducted by higher learning institutes in India and Abroad.

The faculty will be sanctioned academic leave as well as registration fee for attending Workshops Conferences and Symposias conducted in other states as well as abroad.

The TEQIP-II funding is also utilized to permit faculty to attend major events outside India within the stipulated procedures. This would help faculty to update their knowledge in contemporary areas and also to help by transferring the gained knowledge among the Teachers and Research scholars in the department contribution to development in research activity.

This will result in increasing the number of quality publications in reputed journals.

2.5 Evaluation Process and Reforms

2.5.1 How does the university ensure that all the stakeholders are aware of the evaluation processes that are in place?

The examination evaluation processes are very well established and every stake holder is aware of them. The details of evaluation processes are given in the curriculum booklets and in the web site

2.5.2 What are the important examination reforms initiated by the university and to what extent have they been implemented in the university departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system.

Examination Reform	Implementation
Jumbling of examination centres	The students of affiliated colleges are writing the examinations in nearby affiliated colleges, to avoid examination malpractices
E – Evaluation	Implemented for speedy valuation and declaration of results and preserving softcopy of the scripts on experimental basis. The impact is being assessed to reintroduce it.
Double Evaluation System	Every answer script will be evaluated by two examiners and the best evaluation is taken if the difference of marks is less than 15. Third valuation will be done if the difference is more than 15.
Challenging Valuation System	Student can challenge the evaluation of his script of any subject, by following a procedure. The student has to pay Rs 10,000/-. The student can bring his own teacher as evaluator. The answer script will be evaluated by three examiners in the presence of the student. The amount will be refunded if difference of marks is greater than 15 and the best marks will be awarded

2.5.3 What is the average time taken by the university for declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode / media adopted by the university for the publication of examination results (e.g. website, SMS, email, etc.).

The average time taken by the university for declaration of examination results is 45 days – 60 days. However the results of last semester of outgoing students will be declared within 45 days. The delays in the evaluation process are offset by engaging additional evaluators.

University has to its credit of declaration of the results on time as per schedule since its formation in 2008. The results are published in website of the university and the college portals.

2.5.4 How does the university ensure transparency in the evaluation process? What are the rigorous features introduced by the university to ensure confidentiality?

Transparency in Evaluation process

The following procedures and practices ensure transparency in the evaluation process

- ❖ The answer scripts are given code no's such that identity of the students is not known to the evaluators.
- ❖ The answer scripts of the students are mixed up and sent to spot centres at random for evaluation. No spot centre receives the answer scripts of the students of its own college.
- ❖ The faculty who have taught a subject for more than 4 times are considered for evaluation of answer scripts in that subject.
- ❖ The scheme of evaluation is prepared by one of the senior faculty in the evaluators list. The scheme of evaluation clearly specifies the marks for different steps in the answers for the questions.
- ❖ The chief examiner / evaluator will give instructions for all the evaluators for uniformity and consistency in the evaluation process.

Features to ensure confidentiality

The use of customized answer scripts, the conduct of examinations, the collection of answer scripts, the coding of answer scripts, evaluation of answer scripts and processing of the results are well evolved and established to ensure confidentiality in the whole process of evaluation

The examination software processes the marks to declare the results. The manual interference is least and high security is present at every stage.

2.5.5 Does the university have an integrated examination platform for the following processes?

Pre-examination processes - Online student registration, Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.

Yes, most of the pre examination processes are handled by the examination software

Examination process - Examination material management, logistics, etc.

Yes, stationery and examination material are handled by automation and manually monitored by Controller of examinations.

Post-examination process - Attendance capture, OMR-based exam result, auto processing, generic result processing, certification, etc.

The integrated examinations software processes all the post examination procedures by respective Additional Controllers of Examinations Controller of Examinations and Director of Evaluation.

2.5.6 Has the university introduced any reforms in its Ph.D. evaluation process?

Yes. The university has introduced the following reforms.

The PhD scholars are made to attend courses on 1. Research Methodologies and 2. Patents and Intellectual Properties Rights in addition to Two Pre PhD credit courss and Two summer courses.

Anti plagiarism check has been introduced to avoid the plagiarism before submission of the PhD thesis for evaluation process. The panel of Examiners will be decided from IITs, NITs and State Universities.

2.5.7 Has the university created any provision for including the name of the college in the degree certificate?

Yes. The name of the college is printed on the marks memos, Provisional Certificate and Degree Certificate.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations?

The administrative set up in the university (The Director of Evaluation, The Controller of Examinations, Assistant Controller of Examinations) handles all the grievances related to the examinations.

Lok adalat and dial your university events are also conducted for the benefit of the students.

Student can also approach student redressal cell for any grevences attended by a Committee constituted.

2.5.9 What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

All the operations and work procedures are streamlined and automated from first stage to last stage in the entire examination system , as note below

- ❖ Registration of Examinations
- ❖ Online Payment of fee
- ❖ Generation of Hall Ticket
- ❖ Conduct of Examination
- ❖ Evaluation of Answer Scripts
- ❖ Processing of Result
- ❖ Issue of Marks memos
- ❖ Revaluation / Challenge Evaluation
- ❖ Issue of Consolidated Marks Memos, Provisional Certificates, and Degree Certificates

The significant efforts which have improved the entire system

- ❖ Well trained programmers and technical staff
- ❖ Student friendly practices
- ❖ Transparent procedures giving least scope for malpractice / corruption

2.6. Student Performance and Learning Outcomes

2.6.1 Has the university articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

Yes. the university has articulated its Graduate Attributes which are given below. These are commonly shared to all constituent and affiliated colleges. The university has embraced OBE and the same is being implemented.

Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

Core Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences

Design / development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

ICT Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

Societal Needs: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice

Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Values and Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice

Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings

Communication Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions

Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments

Life-long learning: Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

2.6.2 Does the university have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?

The university has embraced OBE and the same is being implemented. The Programme Educational Objectives (PEO's), Programme Outcomes (PO's) and Course Outcomes (CO's) are well defined for each programme. This is the shared information or resource among all the stake holders of the university system. These are published in syllabus books and in university website.

2.6.3 How are the university's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

The teaching-learning processes of the university embrace paradigm shifts as noted below. These ensure the achievement of intended PEO's, PO's and CO's.

Conventional Practices	⇒	Technology enabled practices
Teacher Centric Practices	⇒	Learner Centric Practices
Teaching the learning	⇒	Facilitating the learning
Passive Learning environment	⇒	Active Learning Environment
Theoretical Learning	⇒	Experiential Learning

2.6.2 How does the university collect and analyse data on student learning outcomes and use it to overcome the barriers to learning?

The university is in the process of establishing mechanisms and procedures to systematically collect and analyze the data on student learning outcomes. At present the university considers the performance in the end examinations, the placements , progression to higher education and entrepreneurial development as indicators of learning outcomes. A statistical officer is employed to prepare documentation for organized functioning of the learning process.

2.6.3 What are the new technologies deployed by the university in enhancing student learning and evaluation and how does it seek to meet fresh/ future challenges?

The following are some of the initiatives aimed at enhancing student learning and evaluation. The future challenges will be met by creating required change in what has been practiced.

Massive Online Open Courses (MOOCs)

LMS

OBE

Webinars

E Resources

Flip class room concepts

Blended Learning

Any other information regarding Teaching, Learning and Evaluation which the university would like to include.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the university have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

This University is having separate Directorate (R&D), headed by a Senior Professor as Director, to monitor the research activities of research scholars admitted in this University, the research activity and to guide the faculty members to submit the projects to various funding agencies.

In addition, one senior Scientist, Dr. D. R. Prasada Raju, Senior Scientist (Retd) from Department of Science and Technology, New Delhi is appointed as Research Adviser for providing the suggestions to the faculty to improve the overall quality of Research and to advise them to submit the projects to various funding agencies.

Director (R&D), Dr. D. R. Prasada Raju (Senior Scientist), and Heads of the Departments various disciplines in the constituent colleges, constitute the committee to monitor and address the issues related to research.

Few recommendations are as follows.

- ❖ Improving Laboratory facilities through world bank project - TEQIP & other funding agencies
- ❖ Guidelines for R&D activities in tune with UGC 2009 & APSCHE guidelines
- ❖ Orientation / Sensitization Programmes to research scholars and women scientists
- ❖ Periodical reviews to the research conducted by various research scholars
- ❖ Anti plagiarism check for the thesis before submission
- ❖ Submission of the Research projects to various funding agencies

These recommendations have the impact in the research promotion and development as follows.

- ❖ Research Review Committee meetings are conducted yearly once for each batch of admitted scholars in the concerned Department with Research Review Committee constituting the Chairman (BoS), Head of the Department and two / three senior professors from the respective departments. In certain disciplines, external experts are also considered as members of Research Review Committee

- ❖ The quality of thesis is being verified and suggestions are given to the Research scholars to improve the quality of presentation due to Anti-plagiarism check
- ❖ The Research scholar is given prior information about the quality of the publications to publish, the guidelines from Admission to Award of Ph.D are informed apriori to the candidate, to enable him to submit the quality research work
- ❖ Experts delivering the lectures in Orientation / Sensitization Programmes are motivating the research scholars in Research Methodology, IPR & Patents and various research topics in various disciplines
- ❖ Advanced Equipment required for the Research is recommended by the experts and procured to establish the research laboratories for research scholars and PG students
- ❖ The details of various funding agencies and the available schemes in each funding agency are given by the experts, to enable the Directorate(R&D) to inform the details in turn to the faculty and research scholars to submit the project proposals

3.1.2 What is the policy of the university to promote research in its affiliated / constituent colleges?

The Policy of the University to promote research in its affiliated / constituent colleges is governed by the research guidelines framed by the research committee. The guidelines address the following points

- i. Categories of Ph. Ds' offered
- ii. Available disciplines
- iii. Eligibility criteria for the candidates to apply for the Ph.D programme
- iv. Eligibility criteria for Supervisor/Co-Supervisor
- v. Application format
- vi. Admission procedure
- vii. Criteria for the Recognized Research center to offer Ph.D programme
- viii. Course work, Pre-Ph.D and Residential Requirements
- ix. Constitution of Research Review Committee
- x. Duration of Ph.D programme and Extension of time
- xi. Change of Area /Change of Supervisor or Co-Supervisor
- xii. Fee particulars

- xiii. Research Review
- xiv. Pre-submission procedure
- xv. Anti-Plagiarism check and Submission Requirements
- xvi. Evaluation of Ph.D Thesis
- xvii. Examination fee
- xviii. Preparation of Thesis
- xix. Criteria for the Examiners
- xx. Viva –Voce examination
- xxi. Ph.D awarding procedure with Gazette Notification
- xxii. Cancellation of Ph.D admission
- xxiii. Best Ph.D thesis award and guidelines
- xxiv. Information to Research scholars

These details are available in JNTUK web portal:www.jntuk.edu.in

- ❖ To recognize various departments in affiliated institutions as Research Centres and to permit the faculty working in these departments as sole supervisors
- ❖ To verify the quality of research outcome by Anti-plagiarism check, plagiarism is permitted subject to a maximum of 30% out of thesis

3.1.3 What are the proactive mechanisms adopted by the university to facilitate the smooth implementation of research schemes/ projects?

Advancing funds for sanctioned projects

Projects that have been sanctioned to the faculty members but funds are yet to be released, will be considered for advancing the funds on the priority basis.

However, the amount that can be advanced should be within the limits of Hon'ble Vice – Chancellor. Further, the reasons for sanctioning of the funds in advance, will be assessed by the University and according to the requirements, the funds will be sanctioned.

Providing seed money

Seed money is sanctioned at the time of applying the project for necessary stationery and other requirements. Further, in order to submit the projects travel charges are also paid as seed money.

Simplification of procedures related to sanctions / purchases to be made by the investigators

Principal Investigator has to submit necessary information for the purchase of the equipment and its specifications to the University through Principal of the College.

The purchase committee is constituted to finalize the vendor for the purchase of equipment comparing the quotations received against Tender notification

Autonomy to the principal investigator/coordinator for utilizing overhead charges

Overhead charges may be used by the Principal Investigator with the prior approval of the University authorities, for the purpose of implementation of the Project.

Timely release of grants

Funds are released by various funding agencies, within the time frame specified by the funding agency. However, when the funds are not released in time, University authorities are taking care of release of the funds within the specific amount (less than five lakhs), which has to be reimbursed by the Principal Investigator

Timely auditing

The funds released by various funding agencies, are utilized for the purpose of implementation of the project.

However, the Local fund audit is mandatory for the expenditure incurred as per the norms in vogue. Every year, the LF audit will be conducted to the expenditure incurred.

Submission of utilization certificate to the funding authorities

The Utilization Certificates as per the prescribed format are sent to funding agencies within the time frame.

3.1.4 How is interdisciplinary research promoted? between/among different departments /schools of the university and collaboration with national/international institutes / industries.

Workshops are being organized for various interdisciplinary areas of research and experts are from higher learning institute and Industries.

Creating the platform for the researchers to share their ideas in conferences

The following disciplines are considered as Interdisciplinary areas where in two or more departments are involved in producing the quality work.

- i. Nano Technology (Physics, Chemistry, and All Engineering branches)
- ii. Bio-Technology (Botany, Micro Biology, Bio Chemistry, and Bio Engineering, Pharmacy etc.)
- iii. Food Technology (Chemistry, Bio Technology, Micro Biology, Food sciences etc.)
- iv. Renewal Energy resources (mechanical, Civil, Electrical & Electronics, Material Sciences)
- v. Environmental sciences (Civil, Chemistry, Chemical Engg)
- vi. Spatial Information Technology (Civil, Electronics, Mechanical and Computer Science Engineering)
- vii. Computer Science (Any Branch of Science with Mathematics and also Engineering Branches)
- viii. Avionics (ECE, EEE, Mechanical, Computer Science and Engineering,)

❖ PG Programme in Avionics is being offered in collaboration with Infotech Enterprises and thereby the research activity is promoted

❖ PG Programme in Food Processing Technology is started in collaboration with Ministry of Food Processing Industries and thereby higher learning Institute, viz., CFTRI, Mysore is involved in the development of research laboratories

All interdisciplinary disciplines are in separate Directorate / Schools under Institute of Science and Technology, both Ph. D and PG programmes are being offered in the above disciplines.

3.1.5 Give details of workshops/ training programmes/ sensitization programmes conducted by the university to promote a research culture on campus.

Directorate (R&D), JNT University, Kakinada has organized the following workshops / orientation programmes / sensitization programmes

S. No.	Title of programme	Dates of Programme	Resource persons
1.	Workshop on “Industry-Institute Interaction”	1 st February, 2010	Dr. S. Eswar Prasad, Chairman, Sensor Technology Limited, Canada also Adjunct Professor, University of Toronto, Canada
2.	Workshop on “ Research Initiatives with DRDO, New Delhi & BEL, Bangalore”	8 th June 2010	Sri V. V. R. Sastry, Former CMD, BEL, Bangalore Sri S. S. Sundaram, Director (IRDE), DRDO, New Delhi
3.	Workshop on “Quality of Research and Young Scientist Sensitization programme”	23 rd October, 2010	Sri S. Sudershan Rao, DST, New Delhi
4.	Workshop on “Advances in Signal and Image Processing”	25-26 February, 2011	Prof. B. Yegnanarayana IIT Hyd Prof. B. N. Chatterji , IITKGP Prof. Nikhil R. Pal, ISI, Kolkata, Prof. Chanda, ISI, Kolkata, Prof. Krishna Mohan IIT, Hyderabad, Prof. Prof. Bhagavathi Chakravarthi, Central University, Hyderabad
5.	Two week workshop on Research Methodologies	1 – 15 May 2013 1 – 15 May 2014 1 – 15 May 2015	Prof. M. R. Madhav, IIT Kanpur Prof. B. L. Deekshathulu, Hyderabad Prof. B. N. Chatterji, IIT Kharagpur Prof. Ganpathi Panda, IIT, Bhubaneswar Prof. B. Yegnanarayana, IIT Chennai Prof. R. V. Raj Kumar, IIIT, Hyderabad Prof. G. Tulasiramdas, JNTU Hyderabad Prof. G. K. Viswanath, JNTU Hyderabad Prof. Siva Prasad, IIT Chennai Prof. L. K. Ravindranath, SKU, Anantapur Prof. P. Udaya Bhaskar, JNTU Kakinada Prof. V. Ravindra, JNTU Kakinada Prof. S. Srinivas Kumar JNTU Kakinada Prof. A. Gopala Krishna, JNTU Kakinada Prof. V. Ravindranath, JNTU

			Kakinada Prof. Deekshatulu, JNTU Kakinada
6.	Two week workshop on Intellectual Property Rights and Patents	16 – 30 May 2013 16 – 30 May 2014 16 – 30 May 2015	Prof. G. B. Reddy, OU Hyderabad Prof. D. T. Mohana Krishna, Hyderabad Prof. Joga Rao, Adviser, Infosys Shri Venkat Reddy, Hyderabad Shri Joga Rao, Ministry of Law and Justice, New Delhi Shri Vijay Kumar, Hyderabad Smt. C P Nandini, Vizag Prof. K. P. R. Chowdary, AU Vizag Shri Ashok Ram Kumar, Hyderabad Shri T. V. Madhusudan, Patent Office Chennai.

University College of Engineering

UCEV, JNT University, Kakinada has organized the following workshops / orientation programmes / sensitization programmes			
S. No.	Title of programme	Dates of Programme	Resource persons
1.	Workshop on “Trends in Power System Protection and Control” by Dept. of EEE	19th – 20th July, 2013	Prof. S. R. Kolla, Bowling Green State University, USA. Prof. N. Kishore, I.I.T., Kharagpur . Dr. S. Vanapalli, University of Twente, Netherlands. Dr. B. Hemalatha, I.I.T., Kharagpur. Er. Shailesh Rao, CEO, Newdawn Automation, Visakhapatnam
2.	Workshop on “Recent Trends in Renewable Energy Technologies” by Dept. of EEE	21st - 22nd March, 2014	Prof. G. Tulasiramdas, JNTU Hyderabad Dr. Chandrashekhar N. Bhende, IIT Bhubaneswar. Dr. K. Rama Sudha, AUCE(W), Vizag Dr. T. S. Surendra, Visionary Lighting & Energy India Pvt. Ltd., Hyderabad
3.	National workshop on “Advances in Materials & Processing Technology” by Department of metallurgical	7 th & 8 th March 2014	Prof. D. Ravi Kumar, IIT Delhi, Dr. A. V. S.Chary, NSTL, Visakhapatnam Prof. N. R. M. R. Bhargava, AU, Visakhapatnam Prof. K. Ramji, AU, Visakhapatnam

	Engineering		Prof. A. Gopala Krishna, JNTUK, Kakinada Dr. N Ramesh, NIT, Trichy
4.	National workshop on "Solid waste management in Ferrous and Non-ferrous industries" by Department of Metallurgical Engineering	6 th December - 2014	Dr. K. G. K. Gopala Krishna, NML Jamshedpur Sri G. Atchuta Rao, DGM, Bhilai Steel Plant, Bhilai. Sri D. N Rao, RINL, Visakhapatnam. Sri S. Samba Siva Rao, President, Maithan ferro alloys
5.	Workshop on "Frontiers in material processing" by Department of metallurgical Engineering	23 rd and 24 th January 2015	Dr.C.V. Kain, HBNI, Mumbai, Ch. Sambasiva Rao, Anjaneya Ferro alloys, Vizag, S. Raghunandan, Corporate R&D, Hyderabad, Prof.Omkar Nath Mohanty RSB Group, Pune Prof N. R. Bandyopadhyay, IEI, Kolkata Dr. Arijit Sinha, IEST, Shibpur, Howrah
6.	Workshop on "Recent Research Trends in Computer Science and Information Technology" by Department of Computer Science Engineering,	21 st & 22nd June 2013	Padma Sree Dr. B. L. Deekshatalu, NRSA Prof. O. V. V Ramanayya, JNTUH Prof. J. V. R. Murthy, JNTUK Dr. M. Ravindra Nath, TCS, Hyderabad
7.	Workshop on "Research Challenges and Issues in Big Data and Cloud Computing" by Department of Computer Science Engineering,	27 th - 31 st January 2015	Prof. C.Raghavendra Rao, University Of Hyderabad Dr.M.A.Hameed, Osmania University, Hyderabad Dr.V.Ravi, IDRBT, Hyderabad Mr.Rajesh K.Varma, TCS Mr. T.S.Sharma,TCS Prof.J.V.R. Murthy, JNTUK Prof.L.Sumalatha, JNTUK
8.	Workshop on "Pattern Recognition And Its Applications" by Department of Information Technology	19 th & 20 th March 2014	Prof. C.Krishna Mohan, IIT Hyderabad Prof. Anil Kumar Vuppala, IIIT Hyderabad Prof. K.Srinivasa Rao, AU, Visakhapatanam Prof. V. Valli Kumari, AU, Visakhapatanam Prof. V.Kamakshi Prasad, JNTUH Hyderabad

9.	Workshop on “Engineers Date With Cloud” by Department of Information Technology	03 rd Jan 2015	B.Hemanth Kumar, IBM Hyderabad
10.	Workshop on “Image Processing and Security Technologies”, by Department of Information Technology	23 th &24 th Jan 2015	Prof. B. K. Panigrahi, IIT Delhi Prof. Bansidhar Majhi, NIT Rourkela Prof. U. S. N Raju, NIT Warangal Prof. B. Lalitha Bhaskari, AU Vizag
12.	Workshop on ” Recent Advances in Manufacturing Process-”, by Department of Mechanical Engineering,	Feb-2014	Dr. G. L. Samuel, IIT Madras Prof. C.S.P. Rao, NIT, Warangal Prof. Manjur Hussain, JNTUH, Hyderabad
13.	Workshop on “COSIP-2013”, by Department of Electronics and Communication Engineering	2013	Padma Sree Dr.B.L. Deekshatalu, NRSA Prof.N.S.Murthy, NIT, Warangal
14.	Workshop on “VLSI-EDA” by Department of Electronics and Communication Engineering	2014	Mr. Anand Moghe, Xilinx, Hyderabad Prof. K. Babulu, JNTUK Prof. N. S. Murthy, NIT, Warangal
15.	Workshop on “RTECE-2015” by Department of Electronics and Communication Engineering	2015	Mr. Anand Moghe, Xilinx, Hyderabad Prof. S. Srinivas Kumar, JNTUK Prof. K. Babulu, JNTUK
UCEK, JNT University, Kakinada has organized the following workshops / orientation programmes / sensitization programmes			
16.	Workshop on “Advanced finite element applications in Design and Manufacturing Systems” by Department of Mechanical Engineering	26-27 th April 2012	Dr. U. Shrinivas, IISc Dr. G. V. Rao, Former Scientist, ISRO Sri A. V. S. Chary, Scientist ‘G’, NSTL Dr. K. Mallikarjuna Rao, JNTUK Dr. V. V. Subba Rao, JNTUK Dr. A. Gopala Krishna, JNTUK Dr. N. Mohan Rao, JNTUK

17.	Workshop on “Intervention methods & Project life cycle management” by Department of Mechanical Engineering	1 st Mar 2013	Dr. Raghu Echempati, Kettering University, USA
18.	Workshop on ‘Recent Advances in Composite Materials’ by Department of Mechanical Engineering	March 14-15 th 2014	Prof. J. Ramkumar, IIT Kanpur Prof. R. N. Rao, NITW Prof. Bhargava MohanaRao, AU Prof. K. Ramji, AU Dr. G. Ravi Chandra, ARCI Sri M. Janardhana Babu, DRDL, Hyderabad. Prof. R. R. Srikanth, GITAM University. Sri. K. Kalyan, DMRL
19.	Workshop on ‘Advanced Materials and Processes’ by Department of Mechanical Engineering	5-6 th 2014.	Prof. D Ravi Kumar, IIT Delhi Dr. G. Madusudan Reddy, DMRL Prof. J. Babu Rao, Andhra University Sri K. Suryanarayana, R&D Sr General Manager (Retd), Sundaram Fasteners, Chennai Dr. P. Chakravarthy, IIST Trivandrum
20.	Workshop on ‘Applications and Advances in CFD’ by Department of Mechanical Engineering	9-11 th April 2014	Prasad Patnaik BSV, IIT Madras
21	Workshop on ‘Advanced Manufacturing Quality and Inspection’ by Department of Mechanical Engineering	08 Dec 2014	Prof. G. Srinivas, Polytechnic Institute of New York University, USA
22	Workshop on ‘Recent Advances in Manufacturing Technology’ by Department of Mechanical Engineering	28-30 th Sep 2015	Prof. P.N. Rao, IOWA University, USA
23	Workshop on ‘Outcome Based Engineering	05 th Feb 2013	Dr. P. G. Shastry

	Education’ by Department of CSE		
24	Workshop on ‘Big Data Analytics & Cloud Computing’ by Department of CSE	29 th Jun 2013	Sri. Radha Krishna, TCS Sri. Dakshina Murthy,CA Technologies
25	Workshop on ‘Recent Trends in Data Analytics’ by Department of CSE	24 th Dec 2013	Prof . M. N. Murthy,IIScBanglore Sri. Radha Krishna,TCS
26	Workshop on ‘ Software Project Management’ by Department of CSE	06 th Jan 2014	Mr. P. Srinivas Vivekananda,TCS
27	Workshop on ‘Image Processing(A Research Perspective)’ by Department of CSE	17 th Apr 2014	Dr. L. Pratap Reddy, JNTUH Dr.Y. Srinivasa,GITAM University Dr. V. Vijayakumar, GIET
28	Workshop on ‘Research Perspectives in Cloud Computing’ by Department of CSE	12 th & 13 th July 2014	Prof . Raj Kumar, Australia. Prof. K. Chandra Sekaran, NIT Surathkal. Dr. K. Sudheer Reddy, ADRIN Sri. K. Raghavendra, Department of Space
29	Workshop on ‘Pattern Recognition and Machine Learning’ by Department of CSE	22 nd and 23 rd July 2014	Dr. P. Krishna Reddy, IIIT Hyderabad Dr. C. RaghavendraRao, University of Hyd Dr. V. C. V. Rao, C-DAC, Pune Dr. Arun Agarwal University of Hyd
30	Workshop on ‘Big data analytics & cloud computing’ by Department of CSE	29 th June 2013	Prof. M. N. Murthy, IISC Bangalore Dr. Dhara Kishore, Luccent Technologies, USA.
31	Workshop on ‘Recent Trends in Data Analytics’ by Department of	24 th Dec 2013	Prof. M. N. Murthy, IISc, Bangalore Shri Radha Krishna, TCS

	CSE		
32	Industry/Research oriented FDP on "Agile software development methodologies & cloud computing". by Department of CSE	09 th Aug 2014	Experts from TCS
Dept of ECE,UCEK			
33	Workshop on 'NW-AMC15' by Department of ECE	23 & 24 th July 2015	Dr. N. S. Murthy, NIT Warangal Dr. L. Pratap Reddy, JNTU Hyderabad Dr. Narayanam Balaji, JNTUK Vizianagaram
34	Workshop on 'Advanced Signal and Image Processing' by Department of ECE	April 2014	Prof. Devendra Jelihal, IIT Madras. Prof. N. Balaji, JNTUK Vizianagaram Prof. S. Koteswar Rao
35	Workshop on 'VLSI' by Department of ECE	April-2013	Prof. N. S. Murthy, NIT Warangal Prof. N. Balaji, JNTUK,UCEV
36	Workshop on 'Building Embedded Systems with ARM, Cortex-M MCUS' by Department of ECE	18-19 th Dec 2015	Darshak Vasawada, STAMP Computers Dr. P. Aparna, NIT Suratkal
Dept of EEE,UCEK			
37	Workshop on "Multi level Inverters and Micro grids" by Department of EEE	30 th & 31 st DEC 2015	Prof. Anshuma Shukla, IIT Bombay Prof. Suryanarayana Dolla, IIT Bombay
38	Workshop on "Recent Advances in Power and Industrial Drives (RAPID) - 2K15" by Department of EEE	19 th & 20 th March 2014	Dr. Srirama Srinivas IISC Bangalore Dr. T. Srinivas Bhaskar, IIT Kharagpur Dr. N. Vishwanathan
39	Workshop on "Recent Trends In Power System Deregulation" by Department of EEE	15 th & 16 th March 2013	Prof. Tukaram D, IISC Bangalore Prof. Bajpai Prabodh IIT Kharagpur Prof. G. Sreenivasa
40	Workshop on	30 th Nov 2015	Prof. K. V. S. G. Muralikrishna

	“Ethics Engineering Society” (preventive Vigilance as a tool for good governance) by Department of EEE		
TPO			
41	Remedial & CRT Classes for 2014 passing out U.G and P.G courses	13th July to 22nd September, 2013	Expert faculty of "TIME and EXCELL".
42	Workshop on ‘TC1 Shallow and Deep Foundations’	26th September, 2015	Prof. M. R. Madhav. Retd Prof, IIT Kanpur Prof. Deepankar Chowdary, IIT, Bombay Prof. Baidya, IIT Kharagpur Dr. J. C. Sukla, L&T, Gujarath Dr. K. Rajya Lakshmi, SBTET, Hyderabad Er. L S Subrahmanyam, Kakinada
43	Workshop on "Coastal Erosion & Environmental Challenges".	6-7th of March, 2015	Prof. Prasad. K. Bhaskaran, IIT Kharagpur Prof. R. Sundaravadivelu, IIT Madras Dr. Muni Reddy, AU Dr. M.S.N. Murthy, T. Tulasi Rao, EGREE Foundation, Kakinada Prof. M.R. Madhav Prof. K. Padma Kumari, JNTUK Dr. S. Madhuri, JNTUK
44	Workshop on "Energy And Environment"	25.01.2014	Prof. G. Tulasi Ramdas Prof. K. Kameswara Rao, State Expert Appraisal Committee, MEAF. Prof. Ch. Saibaba, JNTUK
45	Workshop on "Special Concretes"	07.02.2014	Shri. A. Saibaba, Chief Engineer Metro Rail Prof. D.S.R. Murthy, Andhra Univ. Prof. H. Sudarsan Rao, JNTUA Dr. Ramaseshu, NIT Warangal
46	workshop on "Industrial Waste Water Treatment".	15.06.2013	Dr. K. Veera Bhadram, GITAM Univ. Shri. D. Ravindra Babu, APPC Board EG District Shri. M. Prabhakar, Vice President, NBV, Samalkot. Sri. Chandra Mohan, NFCL. Dr. P. Uday Bhaskar, JNTUK
Dept of PE &PCE			

47	Workshop on “Oil & Gas: Upstream Processing” in collaboration with Society of Petroleum Engineers-Kakinada Section, in Dept. of PE&PCE	21 nd -22 nd Feb, 2012	Shri K. Anjaneyulu, ONGC, Kakinada, Dr. P. R. Bhavana, ONGC, RJY. Dr. P. K. Padhy, ONGC, RJY, Shri G. J. Rajbob, ONGC, Kakinada, Shri V. V. Somasekhar, ONGC, Kakinada, Shri V. V. Prasad, ONGC, RJY, Shri A. Sridhar, ONGC, Kakinada, Shri R. Narahari, ONGC, Kakinada, Shri C. V. G. Krishna, Oil India Ltd, Kakinada, Shri P. K. Dileep, ONGC, Kakinada, Shri D. Subbaiah, ONGC, RJY, Shri A. Doraiiah, ONGC, RJY, Shri P. V. S. K. Sithapathi Rao, ONGC, Kakinada, Shri M. S. K Sarma, ONGC, Kakinada, Dr. K. Satyanarayana, Anna University, Chennai., Shri K. Rama Krishna, RIL, Gadimoga., Shri R. Mohandas, ONGC, Kakinada.,
48	Workshop on “Virtual Mass Transfer Operations Laboratory” in Dept. of PE&PCE	24 nd -25 nd Mar 2012	Dr. Ramgopal Uppaluri, Professor, Dept. of Chemical Engg., IIT Guwahati.
49	Workshop on “Excel VBA Macros Programming and MAT lab Programming” in Dept. of PE&PCE	14 th Jul, 2012	Mr. T. S. B. Raju, & Mr. B. Karthikeya, IV Year B. Tech. Petrochemical Engineering, UCEK(A), JNTUK
50	Workshop on “Oil & Gas: Upstream Processing” in collaboration with Society of Petroleum Engineers-Kakinada Section, in Dept. of PE&PCE	07 th -08 th Sep 2012	Shri A. Tirupathi Naidu, HPCL, Visakha Refinery, Visakhapatnam. Shri J. Ravi Srinivas, DuPont Knowledge Center, Hyderabad. Dr. J. Sarada Prasad, EIL, New Delhi., Shri Mander A. Joshi, HPCL, Mumbai., Shri P. V. N. Rao, ONGC, Kakinada., Shri B. Ravi Kumar, IOC, R & D

			Centre, Faridabad., Shri R. Raghavan, NFCL, Kakinada., Dr. Anand B. Halgeri, Poornaprajna Institute of Scientific Research, Bangalore., Shri P. N. V. G. P. Mohan Rao, Engineers India Ltd., New Delhi. Shri T. Venkateswarlu, Mysore Petrochemicals Ltd., Raichur, Karnataka., Shri Brian Taylor, L. G. Polymer Ltd., Visakhapatnam.
51	Seminar on “Personality Development – Getting Started with Oneself” in Dept, of PE&PCE	28 th Dec, 2012	Mr. C. Sunil Kumar, Senior Manager Accenture Hyderabad
52	Lecture on “A Talk on Political Aspects of the Climate Change, in Dept. of PE&PCE	07 th Mar, 2013	Dr. Ganti L. Rao, Former UN Diplomat & Former NASA Scientist
53	Workshop on “Fundamentals of Petroleum Reservoir Engineering”, in Collaboration with SPE-Kakinada Section, in Dept. of PE&PCE	15 th -16 th Mar, 2013	Prof. T. Kumar, Director NIT Durgapur
54	Expert Lecture: “Petroleum Refining – Retrospect & Prospect”	25 th -26 th Mar, 2013	Padma Vibhushan Prof. M. M. Sharma
55	Workshop on “Recent Trends in Oil and Gas Production Technology” Organized by ONGC Academy, Dehradun in Collaboration with JNTUK, Kakinada.	27 th Nov - 01 st Dec 2013	Shri. V. V. Soma Sekhar, CM (Res), EOA, Kakinada, Shri. S. Swarna Raju, SE(P), EOA, Kakinada, Sadanand Kokku, CG(W) , EOA, Kakinada, Sabith B S, AEE(P) , EOA, Kakinada, Dr. V. B. Rao GM (P), ONGC, Rajahmundry, Shri. M. S. K. Sharma, DGM(P) , EOA, Kakinada, Shri. G. J. Rajbob, DGM(W) , EOA, Kakinada, Shri. M. Kishore Kumar EE (P), WSS, Ahmedabad,

			Shhri. P. V. N. Rao, DGM(P) , EOA, Kakinada, S Kishan Rao, DGM (Chem) , EOA, Kakinada, Shri. M. V. R. Gopala Rao, DGM (E) , , EOA, Kakinada, Shri. B. V. S. S. Ramakotaiah, DGM (P) , EOA, Kakinada, Shri. D. R. Naidu, CE (P) , EOA, Kakinada
56	A Workshop on “Oil & Gas Field Development in East Coast” for Petroleum Engineering Students on the eve of INDHAN 2K14. Dept of PE&PCE	30 th Mar, 2014	Shri. G. Venkateswaran, Deputy General Manager (Drilling), EOA, ONGC-Kakinada, Shri S. Kishan Rao, Deputy General Manager (Chem), EOA, ONGC – Kakinada., Shri P. Shrikanth, Lead Engineer (Maintenance), Baker Hughes, Kakinada., Shri Sumith Rama, Lead Subsea Intervention, KG – D6, RIL , Shri D. Sivakumar, Subsea OIMR Senior Engineer, MSV Olympic Canyon, RIL. Shri Paul Jacobs, Senior Maintenance Coordinator, Subsea, RIL
57	A Knowledge Sharing Session on “Life of Oil Well” organized by by Dept. of PE & PCE in association with SPE Chapter – Kakinada Section & SPE Student Chapter – JNTUK	31 st Mar, 2014	Mr. Abhijeet Anand, Field Engineer, Coiled Tubing Services, Well Intervention, Schlumberger Asia Services Ltd
58	“Industry-Academia Interaction: Training Programme for Petroleum Engineering Students” organized by Dept. of PE & PCE, UCEK (A), JNTUK, SPE Student Chapter – JNTUK & SPE Kakinada Section with Under TEQIP Phase – II.	Jun 16, 2014 -Jul 01, 2014.	28 resource persons from ONGC, Oil India Ltd., Reliance Industries Limited, Halliburton, Schlumberger, Aker Solutions, Expro Gulf, etc.,
59	“Industry-Academia	Jul 14, 2014 -	16 Resource persons from HPCL

	Interaction: Training Programme for Petrochemical Engineering Students” organized by Dept. of PE & PCE, UCEK (A), JNTUK in Association with SPE Student Chapter – JNTUK Under TEQIP Phase – II	Aug 01, 2014	Visakhapatnam 17 Resource persons from NFCL Kakinada, Coromandel International Ltd. Kakinada, RIL Gadimoga, EIL New Delhi, ONGC, LG Polymers, etc.,
60	A Knowledge Sharing Session on “Characterization of Reservoir Fluids” organized by Dept. of PE & PCE in association with JNTUK – SPE Student Chapter	18 th Nov, 2014	Dr. Klaus Potsch, Senior Expert from OMV & Distinguished Lecturer of SPE
61	A Lecture on “HSE activities in CAIRN INDIA” organized by Dept. of PE & PCE in association with JNTUK – SPE Student Chapter	Nov 28, 2014	Mr. Pushkar Kumar, HR Manager & Mr. Devendra Katiyar, HSE Engineer, CAIRN INDIA Ltd., Kakinada
62	A Knowledge Sharing Session on “Sulfur Technologies in Petroleum Industry” organized by Dept. of PE & PCE in association with JNTUK – SPE Student Chapter	Nov 22, 2014	Shri J. Ravi Srinivas, Business Development Director Sulphur Technologies, Worley Parsons, Hyderabad
63	Workshop on “Engineering Optimization & Its Applications” Organized by Dept. of PE & PCE in Association with JNTUK – SPE Student Chapter Under TEQIP Phase	Feb01-02, 2015.	Dr. Ramgopal Uppaluri, Professor, Dept. of Chemical Engineering, IIT Guwahati

	- II		
64	A knowledge sharing session on Pipeline Integrity Management organized by Dept. of PE & PCE in association with JNTUK – SPE Student Chapter	Feb 25, 2015	Shri N. Bose Babu, General Manager (Projects) – GSPL, Director In-charge, Projects, GITL & KG Asset In-charge, GSPC, Kakinada
65	Workshop on “Oil & Gas Pipelines” for M. Tech. Pipeline Engineering, B. Tech. Petroleum Engineering & Petrochemical Engineering Students INDHAN 2K15 organized by Dept. of PE & PCE in association with JNTUK – SPE Student Chapter	Feb 28, 2015	Shri M. V. Iyer General Manager (O & M) AP & VSPL, GAIL, Rajahmundry, Shri G. Satya Srinivas, General Manager, RGTIL, EWPL, Shri Ashish Yadav, Chief Manager (Construction), GAIL, Rajahmundry, Shri K. V. Naresh, Senior Manager - Mechanical, RGTIL, EWPL, Shri Selvaraju, Chief Manager (O & M), GAIL, Rajahmundry., Shri N. Ch. Rama Narasimham, Senior Manager - Operations & HSEF Coordinator, RGTIL, EWPL., Shri Abhay Pratap Sharma, E.E (P), ONGC, EOA, Kakinada
66	A workshop on “Pollution Control in Petroleum, Petrochemical and Chemical Process Industries” on the eve of INDHAN 2K15, organized by Dept. of PE & PCE in association with JNTUK – SPE Student Chapter	Mar 01, 2015	The resource persons are came from ONGC – EOA, Kakinada , RIL Kakinada, Coromandel International Ltd., Kakinada., NFCL, Kakinada, etc.,
67	Knowledge Sharing Session on “Overview of Chemical Process Development: Piloting & Scale-up” for Petrochemical Engineering Students, organized by Dept. of PE & PCE in association with JNTUK – SPE	Aug 05, 2015	Dr. Venkateswara Rao Surisetty, Research & Business Development Scientist, Chemical Process Development, EI DuPont, Canada,

	Student Chapter		
68	knowledge sharing session on “Effective Communication Skills” organized by Dept. of PE & PCE in association with JNTUK – SPE Student Chapter	Aug 07, 2015	Shri. M. S. Loknath, Manager (Retd.), ONGC
69	knowledge sharing session on “An Overview of Offshore Process Engineering and Energy Management” organized by Dept. of PE & PCE in association with JNTUK – SPE Student Chapter	Aug 08, 2015	Shri S. S. N. Prasad, Process Engineer, ZADCO, Abu Dhabi National Oil Company, Abu Dhabi
70	knowledge sharing session on “Marginal Fields Development”, , organized by Dept. of PE & PCE in association with JNTUK – SPE Student Chapter	Sept 04, 2015	Shri S. K. S. Charyulu, Executive Director(Retd.), ONGC,
Dept of Pharmacy			
71	Workshop conducted on “Trends in clinical Trials” School of Pharmaceutical Sciences & Technologies		Prof. SVUM Prasad, JNTUK
72	National seminar on “Recent Trends in Pharmacy & Pharmacology”	3rd March 2015	Dr. K. P. R. Chowdary, AU Vizag Dr. P. Rajeswara Rao, AU Vizag
73	Orientation class “Conducted to B Pharmacy students”	7 th Sept 2015	Dr. S. V. U. M. Prasad, JNTUK, Dr. K. P. R. Chowdary, AU Vizag
74	One day seminar on “Responsible Use of Antibiotics Saves Lives”	16th Nov 2015	Dr. T V Narayana, , I.P.A, Education Division, India.
Dept of Mathematics			
75	Int. workshop on “Interface of	27 Jan 2010	Dr. V. Adimurthy, ISRO Prof. Rajasekar, IIT Karagpur

	Statistics with Technological Research' in collaboration with University of California		Prof. Kalyan Kumar, VC-Centurian University
76	One day seminar on "National Mathematics day"	22 nd Dec, 2015	Prof. T. V. Sekar, IIT Bhavanesar
School of Management Studies			
77	Faculty development programme on "How to publish Research Work?"	23 rd -25 th October, 2010.	Prof. B. Parvateshwara Rao, AU Prof. J. V. Prabhakara Rao, Rayalaseema University Dr. B. Rajasekhar, University of Hyd Prof. G. Krishna Murthy, Kakatiya University
78	Work Shop on "Open Source Business Models"	24 th January, 2011	Prof. A. R. Arya Sri, JNTUH Dr. V. Madhusudhana Prasad, JNTUH Prof. N. Hanumantha Rao, Kakatiya University
79	Faculty development programme on "Effective Teaching Methods"	22 nd April 2011	Prof. B. Kuberudu, Kakinada Prof. B. Thandava Krishna, Spectrum Power Plant, KKD
80	Work Shop on "Business Soft Skills"	23 rd April, 2011	Prof. V. Bhanuprakash, Bangalore Dr. P. Raj Kumar, VIT Vellore
81	One Day National Work Shop on "Practices of Patenting and Intellectual Property Rights"	16 th August, 2011	Prof. G. Krishna Murthy, Kakatiya University Prof. Deepak Gandhi, University Canada West

3.1.6 How does the university facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the university?

In this effort, Dr. Ch. Kiran Kumar, Post doc from South Korea in the area of Nano Technology is working in this campus as a DST – INSPIRE faculty fellow with MoU with DST, New Delhi and JNT University, Kakinada for five years, since 2013, under School of Nano Technology.

Dr. Ch. Kiran is having DST Project under INSPIRE faculty programme, an amount of Rs.86,16,000/- and working for a project “Low Cost and Eco Friendly CZTS Solar cells fabrication”.

In addition, Dr. Ch. Kiran is also awarded young scientist under DST – SERB start up Research grant, an amount of Rs.26,00,000/- for three years, since 2015. The Project is entitled as “Synthesis Chalocogenide Semiconductor Nano Particles for Energy Applications”.

Dr. Ch. Kiran is associated with M.Tech (Nano Technology) and teaching the courses and supervising the PG theses. Further, his research outcome is published as in Science Citation Index journals, and few of the research papers are communicated.

In addition, the following eminent persons from academia are regularly visiting University and advise the faculty in research front

- ❖ Prof. B. L. Deekshatulu, Former Director, NRSA, Hyderabad
- ❖ Prof. M. R. Madhav, Former Professor, IIT, Kanpur
- ❖ Prof. B. Yegnanarayana, Former Professor, IIT, Chennai
- ❖ Prof. D. Ravi Kumar, Professor, IIT, Delhi
- ❖ Prof. P. N. Rao, Former Professor, IIT, Kharagpur, IOWA University, USA
- ❖ Prof. R. V. Raja Kumar, Director, IIT, Bhuvanewar
- ❖ Prof. Ganapathi Panda, Former Director, IIT, Bhuvanewar
- ❖ Prof. M. N. Murthy, IISc, Bangalore
- ❖ Prof. J. S. Rao, Former Professor, IIT Delhi
- ❖ Prof. N. S. Malladi, Tuskegee University, USA
- ❖ Dr Prahlada Rao, Joint Director, C-DAC Knowledge Park
- ❖ Dr. Venkat Majeti, Loment Technologies, USA
- ❖ Prof. Gopal Madabhushi, Cambridge University, USA
- ❖ Prof. Anand Puppala, University of Orlando, Texas
- ❖ Prof. T. G. Seetharam, IISc, Bangalore
- ❖ Prof. Abhijit Mukharjee, IIT Bombay
- ❖ Prof. S. R. Gandhi, IIT Madras
- ❖ Prof. Venkat R. Neralla, USA
- ❖ Prof Phani Gopal, University of Cambridge, UK

- ❖ Prof. Bhoominadan, IIT Madras
- ❖ Prof. A Siva Kumar Babu, IISc, Bangalore
- ❖ Prof. A.Vijaya Lakshmi, Rutgers University, Newjersy
- ❖ Dr. Krishna Mikkilineni, Honeywel Technologies, USA
- ❖ Prof. Ramgopal Uppaluri,IIT Guwahati (PE& PCE Dept)
- ❖ Sri C. V. G. Krishna, Oil India Ltd. (PE& PCE Dept)
- ❖ Dr. T. V. Narayana, I.P.A, Education Division, India(Pharmacy)
- ❖ Prof. Monica Homes Central Michigan University, USA(MBA)
- ❖ Prof. P. Ravi Kumar IIM, Bangalore(MBA)
- ❖ Prof. Deepak Gandhi University Canada West, Canada(MBA)

3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

There is no specific budget allocated for R & D activities. However, depending on the requirement and request from the faculty expert, funds are sanctioned from the University funds, in addition to the funds from UGC and other funding agencies sanctioned for the project.

3.1.8 In its budget, does the university earmark funds for promoting research in its affiliated colleges? If yes, provide details.

Separate budget is not allocated for the research in affiliated institutions. However, for the customs and central excise duty exemption, Department of Scientific and Industrial Research – Customs and Central excise duty exemption certificate is issued to affiliated institutions, for the purchase of equipment and software useful for the research purpose.

Further, various disciplines from affiliated institutions are identified as research centers. The research scholars are allotted to these departments to work in these institutions

3.1.9 Does the university encourage research by awarding Post Doctoral Fellowships / Research Associateships? If yes, provide details like number of students registered, funding by the university and other sources.

Till date, Doctor of Science in Computer Science and Engineering, is awarded by this University, i.e., to Dr. Raghu Babu Korrapati, Vice-President, Computer Science Corporation, for thesis entitled “A study on Medical decision support systems with

reference to Artificial Intelligence based Hospital patient disposition system” in the year 2014.

Further, Full-time research scholars are working in various departments. The stipend is paid from the World Bank Project “Technical Education Quality Improvement Programme”. In addition, two research scholars exclusively Mechanical Engineering are paid UGC – BSR scholarships.

The details are as follows.

Year	2012-13	2013-14	2014-15
ECE	01	01	03
EEE	03	04	01
CSE	---	02	---
Mechanical	02	01 (TEQIP) 02 (UGC – BSR)	02

The following research Associates are available in various Research projects.

S.No	Department	Title	No of Research Associates	Funding Agency
1.	Bio Technology	A Genome based Bio-process for L-Lysine production by using Coryne bacterium optimization parameters.	01	UGC
2.	Bio Technology	Creation of Facilities for Translational research in Type-II Diabetes Mellitus	07	DST
3.	Dept of ECE	Performance evaluation and cellular parameters measurement of segmented pathological medical image analysis for detecting the cancer cells”.	01	DST

Further, the women scientists are encouraged to contribute the research. Eighteen Women scientists are given funds from DST under Women Scientist scheme. The list is as follows.

Details of DST Projects sanctioned under Women scientist scheme(WOS-A)						
S. No	Name of the Women Scientist	Year of Registration & Location of the project	Sanctioned fund (Rs. Lakhs)	Mentor	Project Area	Title of the Project
1	Ms. M. Usha Rani	2009 JNTUK, Kakinada	Rs. 11.14	Dr. A. Arundathi Dept. of Botany	Life Sciences	Nodulation of Pigeon pea enhancement

				A.U, Visakhapatnam		PGPR Praoites
2	Ms. S. Subha	2010 JNTUK, Vizianagara m	Rs 11.52	Prof. Allam. Appa Rao Director C R Rao (AIMSCS) University of Hyderabad	Engg. Sciences	Isolation and identification of gut microbes in human beings and understanding relationship with obesity using Bio-informatics tools
3	Ms. P.V.S. Lakshmi Jagadam ba	2010 JNTUK, Kakinada	Rs. 13.65	Prof. Allam. Appa Rao Director C R Rao (AIMSCS) University of Hyderabad	Engg. Sciences	Insilico Analysis of Brain Derived Neurotrophic Factor (BDNF) A Protein, which might help to control Diabetes
4	Ms. M. Lalitha	2011 JNTUK, Kakinada	Rs. 18.15	Prof. Allam. Appa Rao Director CRRao (AIMSCS) University of Hyderabad	Engg. Sciences	Use of SNPs to predict susceptibility to Diabetes
5	Ms. B. A. S. Roopa Devi	2010 JNTUK, Kakinada	Rs. 12.10	Prof. J.V.R. Murthy Dept. of CSE, JNTUK, Kakinada	Engg. Sciences	Ensuring Security over Mobile Adhoc Network
6	Ms. A. Naga Jyothi	2011 A.U., Visakhapatn am	Rs. 34.00	Prof. K. Raja Rajeswari Dept. of ECE, A.U, Visakhapatnam	Engg. Sciences	Versatile signal generator for radar/sonar pulse compression codes
7	Ms. P. Satya Veni	2011 V. S. Lakshmi Women's College, Kakinada	Rs.24.9 0	Dr. A. Srinivasulu HOD & Asst. Prof. Bio-Technology V. S. Lakshmi Women's College, Kakinada	Life Sciences	Screening and identification of antification of antibacterial principles
8	Ms. Ch. Gayathri	2011 V. S. Lakshmi Women's College, Kakinada	Rs. 26.20	Dr. A. Srinivasulu HOD & Asst. Prof Bio-Technology V. S. Lakshmi	Life Sciences	Receptor polymorphisms in postmenopausal women

				Women's college, Kakinada		
9	Ms. B. T. Lalitha Kumari	2012 V. S. Lakshmi Women's College, Kakinada	2012 Batch	Dr. A. Srinivasulu HOD & Asst. Prof. Bio-Technology V. S. Lakshmi Women's College, Kakinada	Life Sciences	Association of TLR2 and CTLA4 gene polymorphisms and filariasis in East Godavari District, AP
10	Ms. Nagiredy Swarna Latha	2011 A.U., Visakhapatnam	Rs. 11.70	Dr. K. Raghu Babu HOD & Assoc. Prof. Engg. Chemistry A.U, Visakhapatnam	Chemical Sciences	Studies on Biosorption of Heavy Metals using Immobilized Biomass
11	Ms. D. Madhavi Latha	2011 K. L. University Guntur	Rs. 19.58	Dr. Venkata G. K. M. Pisipati, Research Director Liquid Crystal Research Centre (LCRC), KLU, Guntur	Physical Sciences	Optical studies on nano-particles doped Liquid Crystals
12	Ms. A. Sai Venkata Jaya Sri	2011 A.U., Waltair	Rs. 32.10	Dr. D. Lalitha Bhaskari Assoc. Prof., Dept. of CSE, A. U., Visakhapatnam	Engg. Sciences	Next Gen Transfigured software Test Estimation Engine – Explorative study on Test Estimation Metrics
13	Ms. S. Karimunnisa Begum	2011 A.N. University, Guntur	Rs.22.20	Dr. V. Uma Maheswara Rao Asst Prof in Dept. of Botany & Microbiology, ANU, Guntur	Life Sciences	A study of marine bacterial diversity and collection of culturable bacteria from off shore water Kakinada bay
14	Dr. A. Kavitha	2011 IISc Bangalore	Rs.32.50	Prof. C. Jayabaskaran, Dept. of Biochemistry, IISc, Bangalore	Life Sciences	Exploration of Marine actinomycetes for Bioactive Compounds
15	Ms. M. Sobha Rani	2011 Andhra University	Rs.24.40	Dr. G. Sudhakar Assoc. Prof & HOD	Life Sciences	To identify mutation and micro deletions

		Waltair		Human Genetics A.U., Visakhapatnam		on Y chromosome
16	Ms. T. Prasanthi	2011 Andhra University, Waltair	Rs. 30.00	Dr. K. Raghu Babu Assoc. Prof., HOD, Engg. Chemistry, AU, Waltair	Chemical Sciences	Production and characterization of Bio-diesel from Algae
17	Ms. J. Lalitha Kumari	2011 The Hindu College Machilipatnam, Krishna Dist	Rs. 24.00	Dr. P.V. Datta Prasad Reader & HOD Physics Dept, The Hindu college, Machilipatnam, Krishna Dt.	Physical Sciences	Synthesis, characterization and physical property measurements of novel hydrogen bonded liquid crystal compounds
18	Ms. Rajya Lakshmi Uppada	01-07-2015 JNTUK, Kakinada	Rs.7.76	Dr. K. Satya Prasad, Professor, ECE Department, UCEK, JNTUK, Kakinada.	Digital Image Processing	Performance evaluation cellular parameters measurement of segmented pathological medical image analysis for detecting the cancer cells”.

3.1.10 What percentage of faculty have utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the university monitor the output of these scholars?

11% of the available faculty have availed the leave on Quality Improvement Programme / Study leave / other facilities to work for their Ph.D from higher learning Institutes, viz., Indian Institute of Technology, etc.

Among the available faculty, the following Professors have visited abroad for executing their Post-Doctoral fellow from Institutes in abroad.

1. Dr. K. Padma Raju, Director – Academic and Planning, Prof. of ECE, did his Post doc in Hoseo University, South Korea in Electronics and Communication Engineering in the year 2007-08

2. Dr. G. Ranga Janardhana, Director of Evaluation, Prof. of Mechanical Engg, UCEK, JNTUK, Kakinada did his Post Doctoral Fellowship in Hoseo University, South Korea in the area of Production Systems in Mechanical Engg., in the year 2007-08

3. Dr. V. V. Subba Rao, Professor of Mechanical Engg, UCEK, JNTUK, Kakinada did his Post Doc in Hoseo University, South Korea in the area of Failure Analysis of Composite Structures in the year 2007-08

4. Dr. M H M Krishna Prasad, Professor of CSE – Ministry of Italian University Resources Fellowship (Jan 2007 –Dec 2008) – 2 years Fellowship University of Udine, Udine, Italy, in the area of Data Mining.

The process of monitoring the output of the scholars working for their Ph.D / Research is not there. The research work is contributed in respective institutions and the scholars submit their thesis to the respective institutions where the scholars are admitted. Thereby, the work is assessed by respective institutions.

3.1.11 Provide details of national and international conferences organized by the university highlighting the names of eminent scientists/scholars who participated in these events.

UCEK, JNT University, Kakinada has organized the following Conferences			
S. No.	Title of programme	Dates of Programme	Resource persons
1	National Conference on New frontiers in Mechanical Engineering by Department of Mechanical Engineering	18-19 th July 2014	Dr Eswar Murthy, DRDL, Hyderabad
2	National Level Conference VSPICE-2015 by Department of ECE	6 th &7 th Nov,2015	Prof.Ganapthi Panda, IIT Bhubaneswar
3	National Conference on Emerging Trends in Electronics & Communication Engineering by Department of ECE	14-15 th June 2013	Prof. KrishnaPrasad, NIT, Warangal
4	National Conference on Power system planning, operation & optimization by Department of EEE	17 th June 2011	
5	Indian Geotechnical conference (IGC-2014)	18-20 th December, 2014	Key-note speakers: From abroad: 1.Prof I.Towhata, Japan

			<p>2.Prof C.F.Leung, Singapore 3.Prof. Lakshmi N.Reddi, US 4.Prof. Anand Puppala, US 5.Prof. Krishna R.Reddy, US 6.Prof. Sai Vanapalli, Canada 7.Prof. Gopal Madabhushi, UK</p> <p>From within India</p> <p>8.Prof. M. R. Madhav., Prof. Emeritus, JNTU Hyderabad 9.Prof. T. G. Sitharam, I.I.Sc., Bengaluru 10.Prof. Dipankar Chowdary, I.I.T., Bombay 11.Er. Murari Ratnam, Director, CSMRS, New Delhi 12.Er. G. Jaibhagwan, Deputy Director, C.R.R.I., New Delhi 13.Prof. G. L. Sivakumar Babu, I.I.Sc., Bengaluru</p>
UCEV, JNT University, Kakinada has organized the following Conferences			
1.	National Conference on Contemporary Techniques in Power System Control and Drives by Department of Electrical and Electronics Engineering,	26 th – 27 th March, 2015,	Prof. B. Ramamohan, I.I.T Kharagpur.
2.	National Conference on Recent Trends in Electronics and Communication Engineering (NCRTECE-2014) by Department of Electronics and Communication Engineering	14 th – 15 th March, 2014	Prof. Ganapati panda, IIT Bhuvanewar
3.	National Conference on Emerging Technologies in Computer Science Department of Computer Science Engineering.	28 th -29 th March 2014	Prof. P. S. Avadhani, AU, Visakhapatnam
4.	National Conference on Recent Advances in Mechanical Engineering Mar-2014 ,by Department of Mechanical Engineering	Mar 2014	Prof. Ch. Srinivasa Rao, AU Visakhapatnam
5.	National Conference on Emerging trends in Mathematical sciences and its Engg. Applications	23-24, May 2014	Dr. V. Adimurthy, ISRO Prof. G. P. Rajasekar Prof. T. V. Sekar, IIT Bhuvanewar

3.2 Resource Mobilization for Research

3.2.1 What are the financial provisions made in the university budget for supporting students' research projects?

Funds are sanctioned by this University upon request from the students for supporting their research work.

3.2.2 Has the university taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

One workshop on “Intellectual Property Rights and Patents” is organized every year during 16 -30 May, since 2013. The faculty members are encouraged to attend the same. Experts from Academia, law practicing persons, Industries, Ministry of Law and Justice, and Patent offices are delivering the lectures to encourage the faculty to apply for patents.

The funds for patenting are sanctioned from the University resources. The details of the patents from Institute of Science and Technology, JNTU Kakinada, are as follows.

S. No	Title of the Invention	Application No.	Publication Date	Names of Inventors
1	A Molecular Method to create a data base for identification of high yielding plant varieties	4529/CHE/2014	2014	Dr. Ramesh. M, Assistant Professor, School of Biotechnology, IST, JNTUK
2	A Nano biofertilizer for improving seed germination and plant development	325/CHE/2015	2015	Dr. Ramesh. M, Assistant Professor, School of Biotechnology, IST, JNTUK
3	Cellulosic Ethanol Production From Termites By Using Bioprocess-Technologies	3368/CHE/2015	2015	Dr. Ramesh. M, Assistant Professor, School of Biotechnology, IST, JNTUK
4	Mutant Aspartate Kinase Gene from Corynebacterium Species And Its Application for Production Of L-Lysine.	5112/CHE/2015	2015	Dr. Ramesh. M, Assistant Professor, School of Biotechnology, IST, JNTUK

5	New topology and its managerial for Adhoc wireless network	Patent No:266178		Dr. K. Satya Prasad, Professor, Dept of ECE,UCEK
6	Analytical Design and development of PID Controller for disturbances rejection of first order and integration process	App No: 964/CHE/2050		Dr. K. Satya Prasad, Professor, Dept of ECE,UCEK
7	Hybrid auto Rickshaw Filed on 17-11-2014,	Docket No: 33104		Dr S. Siva Naga Raju Professor, Dept of EEE,UCEK
8	System and Method for Multi Fuel Emission in Power Plant Operation Filed on 24/11/2015	Docket No 37478		Dr S.Siva Naga Raju Professor, Dept of EEE,UCEK

The following are the Patents of Faculty members of University College of Engineering Vizianagaram, which are registered and still awaiting examination

S. No	Title of the Invention	Application No.	Publication Date	Names of Inventors
1	A wireless system to reliably control a large network of street lighting systems from a central location through FM broadcast	5244/CHE/2012	20/02/2015	Dr. N. Balaji Dr. C. D. Naidu Dr. D. Nageswara Rao
2	An intelligent and intuitive signaling system for motor vehicles to minimize road accidents	5245/CHE/2012	20/02/2015	Dr. N. Balaji Dr. C. D. Naidu Dr. D. Nageswara Rao
3	An integrated computing system and a process to generate the driver Safety index for preventing automobile accidents	5246/CHE/2012	20/02/2015	Dr. N. Balaji Dr. C. D. Naidu Dr. D. Nageswara Rao
4	Intelligent mobile	5066/CHE/2014	Yet to be Published	Dr K C B Rao N A Raju

5	Hybrid Approach for Multimodal Biometric Template Security	1350/CHE/2013 A	05/04/2013	Dr. S.Viswanadha Raju, Madhavi Gudavalli K. Reddy Madhavi
6	Automotive Security System Using Embedded Biometrics	1995/CHE/2013 A	07/06/2013	Dr. S. Viswanadha Raju &Madhavi Gudavalli
7	Enhancing The Security Strength Of Cloud Computing Through Biometric Template Protection Scheme.	3475/CHE/2013 A	23/08/2013	Dr. S. Viswanadha Raju, Madhavi Gudavalli & GVS Raju
8	A Secured Optimized multimodal Biometric Identification System (OMBIS) For Remote infrastructure Management	584/CHE/2014 A	21/02/2014	Dr. S. Viswandha Raju Dr. A.Vinaya Babu Dr. Avula Damodaram Madhavi Gudavalli
9	Resting Floating House resistant to Flood and Earthquakes.			Dr. S. Madhuri

3.2.3 Provide the following details for ongoing research projects of faculty:

The following are the project related information of University College of Engineering Kakinada, JNTUK.

	Year wise	Number	Name of the project	Name of the funding agency	Total grant received (Rs. Lakhs)
A. University awarded projects					
Major Projects	2015	01	25 kWp grid tied solar root top Power plant on top of CSE dept	JNTUK	28.50
	2015	02	25 kWp grid tied solar root top Power plant on top of ECE dept	JNTUK	28.50
	2015	03	25 kWp grid tied solar root top Power plant on top of EEE dept	JNTUK	28.50
	2014	04	Design & Testing of solar still for desalination for coastal climatic conditions	JNTUK	08 .00

Minor Projects	-	-	-	-	-
B. Other agencies – national and international (specify)					
Minor Projects	-	-	-	-	-
Major Projects	2012-15	01	Development and Experimental Investigations into Mechanical and Machinability Characteristics of SiC Reinforced Aluminum Matrix Nano-composites Investigator: Dr. A. Gopala Krishna, UCEK	DRDO	20.556
	2013-15	02	Finite Element Simulation of Friction Stir Welding for Air Frame Structures Investigator: Dr. A. Gopala Krishna, UCEK	DRDO	9.48
	2013-16	03	A Study on the weld bead characteristics on friction stir welding for Al-NRHA Nano composites Investigator: Dr D Lingaraju	DST	25
	2014-16	04	Development of low cost friction stir welding machine	UGC	07
	2013-16	03	Bioprocess Technology Development and Process Optimization of L-Lysine production by <i>Corynebacterium glutamicum</i> . Investigator : Dr. Ramesh Malothu	D.S.T	25.40
	2011-16	04	Creation of facilities for translational research in Type 2 Diabetes Mellitus. Investigator : Dr. Ramesh Malothu	D.S.T	530.0
	2014-16	05	Promoting University-Industrial Cooperation, Creativity, Diversity and Entrepreneurship in Computer Science.	USIEF	125.0

			Investigator :Dr. J.V.R. Murthy		
	2012-15	06	Implementation of Distributed Generating units in rural Distribution system – a cost /benefit analysis Investigator: Dr R. Srinivasa Rao, UCEK	UGC	15.7
		07	Type-2 Diabetes Mellitus (DM) Prof. Ch. Satyanarayana	DST	531
	2015-18	08	Indo – US 21 st Century Knowledge Initiative Programme Prof. JVR Murthy, CSE Dept	MHRD	120
	2013-15	09	Fabrication of nanoparticles using plant extracts, and optical applications Investigator: Dr. S. Satya Veni, Dept of Chemistry	UGC-Start Up Grant	6.0

The following are the project related information of University College of Engineering Vizianagaram, JNTUK

Descript ion	Year wise	Number	Name of the project	Name of the funding agency	Total grant received (Rs. Lakhs)
Major Projects	2011-16	1	Diagnosis of ovarian cancer using decision tree classification of trace elemental data obtained by applying ion beam analysis. Investigator: Dr. G. J. Naga Raju	DST-FTS Young scheme	21.84
	2013-16	2	Acquisition and analysis of trace elemental data obtained from biological samples of breast cancer patients using analytical techniques. Investigator: Dr. G. J. Naga Raju	UGC	13.548
	2013-16	3	Synthesis and characterization of nano red mud particle reinforced aluminum matrix	UGC	13.908 (Sanctioned) 9.893 (Received)

			composites. Investigator: Dr. G. Swami Naidu		
	2015-17	4	Studies on Analysis of Biological signals using time frequency representation techniques. Investigator: Dr. B. T. Krishna	UGC	30.00
	2015-17	5	Realization of Fractance Device. Investigator: Dr. B. T. Krishna	Science and Engineering Research Board (SERB)	16.37

3.2.4 Does the university have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

S.No.	Year wise	Title of the Project	Sponsored by Industry / Corporate house	Amount
01.	2012-15	Development and Experimental Investigations into Mechanical and Machinability Characteristics of SiC Reinforced Aluminum Matrix Nano-composites Investigator: Dr. A. Gopala Krishna, UCEK	Naval Research Board (DRDO)	20.556
02.	2013-15	Finite Element Simulation of Friction Stir Welding for Air Frame Structures Investigator: Dr. A. Gopala Krishna, UCEK	Defence Research and Development Laboratory (DRDO)	9.48

3.2.5 How many departments of the university have been recognized for their research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

- ❖ The Department of Civil Engineering, University College of Engineering Kakinada, JNTU Kakinada is recognized under DST - FIST. Sanctioning Rs.1.65 Crores for establishing Structural Dynamics laboratory.

- ❖ The Department of Computer Science Engineering, University College of Engineering Kakinada, JNTU Kakinada under the scheme of Indo-U.S. 21st Century Knowledge Initiative (formerly known as the Obama-Singh 21st Century Knowledge Initiative), Jawaharlal Technological University, Kakinada, Andhra Pradesh had collaborated with **Chicago State University, Chicago, IL** for a project Titled “Promoting University-Industrial Cooperation, Creativity, Diversity and Entrepreneurship in Computer Science” and received a grant of **1.25 crores Rupees**. Dr. J. V. R Murthy, Professor of CSE, UCEK JNTUK is the investigator from JNTU Kakinada.

- ❖ National Accreditation Board for Testing and Calibration Laboratories, New Delhi under Department of Science & Technology, Government of India has accredited the Food Testing Laboratory for chemical and Biological testing in School of Food Technology which was established with financial support from Ministry of Food Processing Industries with an amount 1.57 crores

3.2.6 List details of

- a. Research projects completed and grants received during the last four years (funded by National/International agencies).

University College of Engineering Kakinada

	Year wise	Number	Name of the project	Name of the funding agency	Total grant received (Rs.Lakhs)
B. Other agencies – national and international (specify)					
Minor Projects					
Major Projects	2013-15	01	Simulation of Stresses and Plastic Deformation in Flow Forming Process Investigator: Dr. A. Gopala Krishna	DRDO	9.44
	2012-13	01	Modeling and Simulation Studies of Welding Processes for Aerospace Applications Investigator: Dr. A. Gopala Krishna,UCEK	DRDO	9.45

	2013-15	01	Improving surface Finish and Reducing Tool Wear in Machining of Ti-6Al-4V and Hard Steels through Nanocoolant. Investigator: Dr. A. Gopala Krishna,UCEK	DRDO	9.58
	2013-15	1	MODROBS in Control Systems Lab Investigator: Dr Ch. Sai Babu, UCEK	AICTE	10
	2010-12	1	Investigation and implementation of control strategies for switched reluctance motor. Investigator : Dr K. Venkata Reddy	AICTE	7
	2013-15	01	Experimental Investigations into Machinability Characteristics of Aerospace Materials in Hot Machining Investigator: Dr. A. Gopala Krishna,UCEK	DRDO	9.56
	2011-14	01	A Genome-based Bioprocess for L-Lysine production by using Corynebactrium Glutamicum: Optimization of Process parameters. Investigator : Dr. Ramesh Malothu	UGC	12.80
	2010-13	01	Dielectric studies on Novel Banana and W-shaped molecules exhibiting liquid crystalline behavior. SR/S2/CMP-70/2007 Investigator : Dr. G. Padmaja Rani	D.S.T	31.71
	2011-14	01	Achiral Ferro and Anti Ferro-elelectric Liquid Crystals for Elelctro-optic Displays. SR/S2/CMP-0063/2008 Investigator: Dr. P. Dakshina Murthy	D.S.T	36.5

University College of Engineering Vizianagaram

There are only ongoing Major research projects from UCEV.

The college was established in the year 2007 and regular faculty members are recruited in the year 2012. Till then, the institution is functioning with adhoc appointed faculty members and a few regular faculty members. Thereby no proposals were submitted to the funding agency.

University College of Engineering Vizianagaram

There are only ongoing Major research projects from UCEV.

The college was established in the year 2007 and regular faculty members are recruited in the year 2012. Till then, the institution is functioning with adhoc appointed faculty members and a few regular faculty members. Thereby no proposals were submitted to the funding agency.

a. Inter-Institutional collaborative projects and grants received

I. All India collaboration

- ❖ MOU-JNTUK & M/s. Consortium of Institutions of Higher Learning (CIHL)-4th April,2012

II. International

- ❖ Under the scheme of Indo-U.S. 21st Century Knowledge Initiative (formerly known as the Obama-Singh 21st Century Knowledge Initiative), Jawaharlal Technological University, Kakinada, Andhra Pradesh had collaborated with **Chicago State University, Chicago, IL** for a project Titled “Promoting University-Industrial Cooperation, Creativity, Diversity and Entrepreneurship in Computer Science” and received a grant of **1.25 crores Rupees**. Dr.J.V.R Murthy, Professor of CSE, UCEK JNTUK is the investigator from JNTU Kakinada.
- ❖ Research and Incubation Centres are proposed under RUSA for Petroleum Engineering, Petrochemical Engineering & Natural Gas Engineering with a budget of 10 crores & it is under pipeline.
- ❖ MOU-JNTUK & LOMENT Inc. Naperville, Illinois, USA on Research and Development in the area of Mobile Financial Services & Security-7th June 2012.
- ❖ MOU between JNTUK and BTH Sweden on 30 08 2012 to start dual degree programme in Computer Science and Engineering.

- ❖ MOU-JNTUK & Chicago State University On Developing new instructional technologies and research in Mathematics, Computer Science and entrepreneurship opportunities on Dec 2012.
- ❖ MOU between JNTUK and Tata Consultancy Services on Feb 2010

Dept of PE & PCE has MOU's being proposed with the following foreign universities under pipeline.

- ❖ University of Houston, USA: For M.Tech Subsea Engineering
- ❖ University of Oklahoma, USA: For M.Tech Petroleum Refinery Engineering
- ❖ University of Tulsa, USA: For M.Tech program in Petroleum Production Engineering
- ❖ Texas A &M University, USA: MOU with the Dept. of Chemical Engineering for students
- ❖ Universiti Teknologi Petronas, Malaysia: Student internships, Student exchange programs short and long semesters).

3.3 Research Facilities

The following are the research facilities that are available University College of Engineering Kakinada JNTUK.

S. No	Name of the laboratory	Name of the equipment	Cost of the equipment (Rs. Lakhs)
Dept. of Mechanical Engg, UCEK			
1	Thermal Engg Lab	Exhaust gas Analyzer	5.00
2	Thermal Engg Lab	Computerized multifuel variable compression ratio connected to eddy current type dynamometer for loading	13.00
3	Thermal Engg Lab	Thermomechanical Analyzer	17.50
4	Dynamics lab	Hand and Bag Moulding Kit	2.00
5	Dynamics lab	FFT Analyzer	8.50
6	Dynamics lab	Fundamental Vibration Tester	18.50
7	Dynamics lab	Machine Fault Simulator	15.00
8	Fuels lab	Dead Weight tester	3.00
9	Metrology ab	Ultrasonic flaw detector (NDT)	4.50
10	Metallurgy lab	Image analyzer Olympus Inverted Microscope with Image analyzer	9.00
11	Dynamics lab	Micro-tensile strength machine	8.50
12	Thermal Engg Lab	Dual Laser infrared thermometer	0.77

13	Networks Laboratory	Servers in CSE	0.70
14	CSE Laboratory	Linux OS server	2.43
15	CSE Laboratory	Antivirus software	2.41
16	CSE Laboratory	Storage and Printers	1.52
17	CSE Laboratory	Rack Servers	28.47
18	CSE Laboratory	Multicore Programming Laboratory-CUDA	9.03

Civil Engineering Department

S. No	Name of the laboratory	Name of the equipment	Cost of the equipment (Rs. Lakhs)
1	Strength of Materials	Compression Testing Machine 100T	5.00
2		Universal Testing Machine 300T	8.00
3		Computer Controlled Universal Testing machine	6.00
4		Loading frame 1000 kN Capacity	5.00
5		Concrete Core Cutting Instrument	8.00
6		Non Destructive Testing Equipment	15.00
7		Self Compacting Concrete testing Equipment	4.00
8		Concrete Compression Testing Equipment	4.00
9		Tile Abrasion Testing Machine	2.00
10		Accelerated Curing Tank	2.50
11		Concrete permeability testing	2.00
12		Pulvarizers and Jaw Crushers	3.00
13	Soil Mechanics and Foundation Engineering	Triaxial Shear Testing Equipment	6.00
14		Large Consolidation test apparatus with data acquisition	20.00
15		Geotextile testing Apparatus	5.00
16		Field CBR Test Apparatus	5.00
17		Atomic absorption spectrophotometers	12.00
18	Environmental Engineering	Stack Monitoring Equipment	5.00
19	CAD Laboratory	Auto CAD, Auto Desk , STRAP- 10 , STRUDS 2005	10.00
20	Surveying	Total Stations	2006

Department of ECE

S. No	Name of the laboratory	Name of the equipment	Cost of the equipment (Rs. Lakhs)
1	Communications Lab	Adv.Communication Part2	5.50
2	Communications Lab	Adv.communication Part5	6.82
3	ECAD Lab	VLSI Multisim Upgradation	3.25
4	DSP Lab	Upgradation of DSP Lab with MATLAB	3.80
5	ECAD Lab	VLSI Xilinx Upgradation	0.80
6	Communications Lab	Adv.Communication Part4	3.84
7	ECAD Lab	VLSI Laboratory-1	7.68
8	Communications Lab	Adv.Communication Part 3(Function Generator)	4.09
9	Communications Lab	Adv.Communication Lab _Part1	4.72
10	Embedded systems laboratory	Embedded systems laboratory	18.54

Dept of EEE

S. No	Name of the laboratory	Name of the equipment	Cost of the equipment
1	Power Systems Laboratory	Adv. Power Systems Laboratory	24.94

Dept of PE& PCE

S. No	Name of the laboratory	Name of the equipment	Cost of the equipment (Rs. Laksh)
1	Chemical Reaction Engg Laboratory		4.56
2	Mass Transfer Operations		7.24
3	Instrumentation & Process control Laboratory		6.44
4	MAT LAB & UNISIM Computer Lab		5.59
5	Drilling Fluids Laboratory		10.44

School of Biotechnology

S.no	Laboratory Name	Equipment Name	Equipment Cost (Rs. Laksh)
1.	Genetic Engineering	PCR	

	Laboratory	ELISA reader	42.00
		-80°C Deep Freezer	
		Millipore & Milli-Q Water purifier	
		Gel Dock	
2.	Plant Biotechnology Laboratory	Lyophilizer	16.00
		CO ₂ Incubator	
		Laminar Air Flow Chamber	
		UV - Spectrophotometer	
3.	Bioprocess Engineering Laboratory	Bioreactor	35.00
		HPLC	
		Cooling Ultra Centrifuge	
		Hybridization Oven	

The following are the research facilities that are available at Metallurgy department of University College of Engineering Vizianagaram, JNTUK.

S. No	Name of the Laboratory	Name of the equipment	Cost of the equipment
Dept. of Mechanical Engg, UCEV			
1	The research scholars, M.Tech (Mechanical) and B.Tech students are using the mentioned equipment in respect of their project works	Image analyzer Microscope	1.58
2		Optical Emission Spectrometer	14.62
3		Potentiostat	13.21
4		Pin-on-disc wear equipment	4.95
5		Vickers microhardness tester	6.69

3.3.1 What efforts have been made by the university to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

- ❖ Separate Building for Innovative Research Centre is being constructed for also computing facilities.
- ❖ All faculty members and research scholars are provided with Computer system with internet facilities, Printers & scanners.
- ❖ In addition, Professors and Associate Professors are provided with LAPTOP systems
- ❖ Research scholars are provided with separate room with Desktop with Internet facilities
- ❖ 24 x 7 Computing facilities are provided

- ❖ In emerging areas, viz., Renewal Energy systems, Smart grids, Bio-Technology, Nano-Technology, High performance Computing, Cloud Computing, Big data Analytics etc ., funds are provided from UGC, University Development Funds, World Bank Project – Technical Education Quality Improvement Programme.

Strategies to meet the needs of researchers

- ❖ Awareness programmes in Research Methodology and Intellectual Property Rights are being conducted every year in the month of May to the faculty of constituent and affiliated institutes. The experts are from higher learning institutes and Industries.
- ❖ Awareness programmes are being conducted, inviting the experts from various funding agencies, viz., DST, UGC, AICTE etc., to encourage the faculty members to apply for various projects to meet their financial requirements to establish the laboratories, travel grant, publication grant, etc.
- ❖ Faculty members, Research scholars, PG students are encouraged and sponsored to attend the Conferences, Workshops, Seminars and Sensitization Programmes.

3.3.1 Does the university have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.

The Directorate R&D is created in the university to provide the necessary information and to monitor the following activities.

- ❖ To provide the facilities to central library to cater to the needs of researchers apart from the departmental libraries.
- ❖ To provide the interaction with Experts in various departments within the institute to counsel the research scholars to produce the quality research.
- ❖ To create the platform to researchers to interact with experts from various higher learning institutes and industries through Workshops and Audit courses.
- ❖ To monitor the overall quality of researchers and inform them about various funding agencies

3.3.2 Does the university have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?

There is no separate University Science Instrumentation Centre (USIC) for the university. However the same facilities are extended by the various departments in constituent institutes.

3.3.3 Does the university provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

Limited accommodation is available for research scholars, research associates in the hostels, guest house and staff quarters

3.3.4 Does the university have a specialized research centre/ workstation on-campus and off-campus to address the special challenges of research programmes?

There is a 24x7 computer centre with the facilities of uninterrupted power supply, internet and with necessary software for research.

3.3.5 Does the university have centres of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

- ❖ Godavari Knowledge park- An Incubation centre has been established in the area of Biotechnology
- ❖ UGC – Inter University Centre for Teacher Education has been established for providing the training to teachers in University campus
- ❖ Applied and Presented in UGC to establish the Design Innovation Centre in the University premises.

3.4 Research Publications and Awards

3.4.1 Does the university publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

In the year 2012-13 research guidelines, it is proposed to start research journal of the University. It is in pipe line.

3.4.2 Give details of publications by the faculty: Number of papers published in peer reviewed journals (national / international)

- Number of papers published in peer reviewed journals (national / international)

During the last 5 years (2010-15) the faculty members of all the engineering departments including the basic sciences and Humanities, Social Sciences of **University College of Engineering Vizianagaram**, JNTUK have published a total of 559 research publications in various national, international conferences and Journals

***A separate document consists of all the details of research publications is enclosed.**

* Monographs

S. No	Title	Author(s)	Publishing agency
1	CBIR fundamentals and algorithms	Ch. Srinivasa Rao, S. Srinivas Kumar	Lap Lambert- germany ISBN No : 978-3-659-14581-0

* Chapters in Books Nil

* Books edited Nil

The following are the Books published by the faculty members of University College of Engineering Vizianagaram, JNTUK.

S.No	Name of The Faculty Member	Books	Books with ISBN with details of publishers
1	Dr. D. Rajya Lakshmi	1	A Complete Practical Guide to Ethical Hacking and Information Security, SciTech Publications, INDIA.
2	Dr. R. Rajeswara Rao	1	Cloud Computing & Virtualization, BSP Publications, ISBN:978-9383635047 2014
3	Dr.A. S. N. Chakravarthy	1	Crypto Authentication Using Hilbert Matrices-A Novel Approach, ISBN: 978-3-8473-4755-2.
4	Dr. Ramesh Malothu	1	Nanotechnology- Biomedical Applications SIRI publishers; ISBN 978-93-83038-38-1

The following are the Research paper publication details of the faculty members of University College of Engineering Vizianagaram.

S. No	Name of Faculty Member	No. of Citations	SNIP	SJR	Impact Factors		H-Index
					Range	Average	
EEE							
1	Dr. G. Saraswathi	8	--	--	1.32-5.837	4.058	--
2	Dr. Y. S. Kishore Babu	59	0.23	0.48	1.253-1.8	1.513	4

3	Dr. V. S. Vakula	47	0.615	1.1	1.025-7.738	3.054	3
4	Mrs. A. Padmaja	02	0.79	1.16	1.353-1.893	1.623	1
5	Mr. Shaik Hussain Vali	--	--	--	0.669-3.885	2.277	--
ME							
1	Dr. N. Mohan Rao	188	1.955	1.024	1.196-4.016	2.315	6
2	Mr. T. Lakshmana Kishore	1	--	--	0-3.127	3.127	--
CSE							
1	Dr. D. Rajya Lakshmi	56	1.029	--	0.421-5.09	2.39	4
2	Dr. R. Rajeswara Rao	17	--	--	0-0.378	0.378	2
3	Dr. A. S. N. Chakaravarthy	22	--	--	--	--	2
4	Mrs. P. Aruna Kumari	2	--	--	--	--	1
5	Mr. T. Siva Rama Krishna	2	--	--	--	--	1
6	Mr. S. Radha Krishna	7	--	--	--	--	1
ECE							
1	Dr. Ch. Srinivasa Rao	102	--	--	0.185-1.33	0.78	4
2.	Dr. N. Balaji	32	--	--	0.755-1.33	0.755	3
3	Dr. K. C. B Rao	--	--	--	0-2	0.62	3
4	Dr. B. T. Krishna	261	--	--	1.264-2.238	--	5
IT							
1	Dr. G. Jaya Suma	11	--	--	0.83-3.2	1.90	1
2	Dr. G. Madhavi	23	--	--	0.56-3.2	2.22	3
3	Mr. B.Tirimula Rao	90	--	--	0.58-3.9	2.10	5
4	Dr. Ch. Bindu Madhuri	5	--	--	0.51-2.9	2.01	1
5	Mr. K. Srikanth	4	--	--	0-1.3	0.65	1
6	Ms. G. Prashanthi	2	--	--	1	1	1
Metallurgical Engineering							
1	Dr.G. Swami Naidu	5	--	--	0.764-1.8	1.235	--
CE							
1	Prof. G.Yesuratnam	1	--	--	--	--	--
Department of Basic Sciences & Humanities, Social Sciences							
1	Dr. Kalesha Vali Shaik	14	--	0.24	0.25-4.091	2.1705	7

2	Dr. K. Sobhan Babu	3	--	--	0-2.63	2.63	--
3	Dr. G. J. Naga Raju	26	--	--	1.034-1.76	1.183	--

- Faculty serving on the editorial boards of national and international journals

The following faculty members of **University College of Engineering Vizianagaram** are serving as reviewer, editorial board members and editors of various national and international journals.

S. No.	Faculty Name	Editorial Board/ Steering committee	Name of the Journal
1	Dr.Y. S. Kishore Babu	Reviewer	JIFS
2.	Dr.V. S. Vakula	Reviewer	The Turkish Journal of Electrical Engineering and Computer Science
3	Dr.V. S. Vakula	Reviewer	Electric Power Components and Systems (Taylor & Francis)
4	Dr.V S Vakula	Reviewer	IET Generation Transmission and Distribution
5	Dr.V. S. Vakula	Reviewer	Science Publishing Group
6	Dr.G. Swami Naidu	Reviewer	International Journal of Materials engineering Innovation, Inderscience Publishers
7	Dr. G. Swami Naidu	Reviewer	International Journal of Materials engineering Innovation, Inderscience Publishers
8	Dr. G. Swami Naidu	Editorial Board Member	International Journal of surface engineering and Interdisciplinary Materials Science, Inderscience Publishers
9	Dr. G. Swami Naidu	Editorial Board Member	Advances in Materials Science and Mechanical Engineering Research (AMSMER), International Research Publication house
10	Dr. G. Swami Naidu	Editorial Board Member	International Journal of NanoScience and Nanotechnology (IJNN), International Research Publication house
11	Dr. G. Swami Naidu	Editorial Board Member	International Journal of Manufacturing and Mechanical Engineering (IJMME), International Research Publication house
12	Dr. Ch. Srinivasa Rao	Reviewer	Pattern recognition Journal, Elsevier Pub.
13	Dr. Ch. Srinivasa	Reviewer	IJCA Journal

	Rao		
14	Dr. K. C. B. Rao	Editor, Reviewer	STM Journals
15	Dr. B. T. Krishna	Editor	Journal of communications, GSTF Singapore
16	Dr. Ch. Srinivasa Rao	Reviewer	Pattern recognition Journal, Elsevier Pub.
17	Dr. Ch. Srinivasa Rao	Reviewer	IJCA Journal
18	Dr. K. C. B. Rao	Editor, Reviewer	STM Journals
19	Dr. B. T. Krishna	Editor	Journal of communications, GSTF Singapore
20	Dr. B. T. Krishna	Editor	Coimbatore institute of Information Technology -India
21	Dr. B. T. Krishna	Reviewer	Measurement science review, Slovak academy of sciences
22	Dr. B. T. Krishna	Reviewer	International journal of circuit theory and applications John Wiley & sons.
23	Dr. B. T. Krishna	Reviewer	Springer link circuits, systems and signal processing
24	Dr. B. T. Krishna	Reviewer	IET signal processing
25	Dr. B. T. Krishna	Reviewer	Elsevier journal of ISA transactions
26	Dr. B. T. Krishna	Reviewer	IEEE signal processing letters
27	Dr. N. Mohan Rao	Reviewer	ASME (Jl. of mechanical design) and Elsevier publications (Mechanism and Elsevier publications (Mechanism and machine theory)

- Faculty serving as members of steering committees of international Conferences recognized by reputed organizations / societies

S. No.	Faculty Name	Editorial Board/ Steering committee	Name of the Conference	Dates applicable
1	Dr.G. Saraswathi	Reviewer	ICECIT-2015	2015
2	Dr. V.S. Vakula	Session Chair	IIE International Conference on Intelligent Systems, Control and Manufacturing Technology (ICICMT'2015), Abu Dhabi, UAE	17 th March, 2015.
3	Dr. N. Mohan Rao	Reviewer	i-manager's International Conference on Engineering and Technologies,	April, 2015

S. No	Name of the Faculty	Committee	University/Body
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1	Dr. Ch .Srinivasa Rao	Board of studies member	JNTUK
2	Dr. Ch. Srinivasa Rao	TEQIP Data auditor	TEQIP
3	Dr. N. Balaji	TEQIP Data auditor	TEQIP
4	Dr. N. Balaji	Board of studies member	JNTUK
5	Dr. N .Balaji	NBA Evaluator	NBA
6	Dr. K. C .B Rao	NBA Evaluator	NBA

Provide details of

- Research awards of received by the faculty and students

S. No	Name of the faculty	Details of Awards /Recognition
1	Dr. Swami Naidu Gurugubelli	Research Excellency award by Indo-Global foundation, an international organization supported by the Government of Andhra Pradesh

- National and international recognition received by the faculty from reputed professional bodies and agencies.

The following are the National and international recognitions received by the faculty of University College of Engineering Kakinada

S. No	Name of the faculty member	Details of Committee/Editorial board/ any other committee
1	Dr. Ramesh Malothu	Budapest Treaty on the International Recognition of the deposit of Microorganism: Microbial type Culture & Gene Bank CSIR-IMTECH, MTCC Number: MTCC 25069

S. No	Name of the faculty member	Details of Committee/Editorial board/ any other committee
1	Dr. Swami Naidu Gurugubelli	Vice-Chairman, Indian Institute of Metals, Visakhapatnam Chapter
2	Dr. Swami Naidu Gurugubelli	Fellow, Institution of Engineers, F-120136-7
3	Dr. Swami Naidu Gurugubelli	Life Member, , Indian Institute of Metals, 46459
4	Dr. Swami Naidu Gurugubelli	Life Member, Indian Society for Technical Education, LM-80984
4	Dr. Swami Naidu Gurugubelli	Life Member, Indian Institute of Mineral Engineering, Membership number is LM-1174
5	Dr. Swami Naidu Gurugubelli	Life Member, Institute of Smart structures and Systems, LM-675
6	Dr. Swami Naidu	EC Member, Metallurgy and Materials

	Gurugubelli	Engineering Division, IEI Vizag chapter.
7	Dr. G. Saraswathi	MIE, MISTE, MIEEE
8	Dr. Y. S. Kishore Babu	MIEEE, MISTE
9	Dr. V. S. Vakula,	MIEEE, MISTE, MIE
10	Dr. Ch. SrinivasaRao	Fellow of IETE(F-201876)
11	Dr. N. Balaji	Fellow of IETE(F-234589)
12	Dr. N. Balaji	Executive member, AP knowledge mission
13	Dr. K. C. B. Rao	Marquis Who's Who in the World
14	Dr. K. C. B. Rao	Fellow of IETE(F-146850)
15	Dr. B. T. Krishna	Marquis Who's Who in the World
16	Dr. B. T. Krishna	Fellow of IETE(F235382)
17	Mr. B. Tirimula Rao	Young Engineer of the year 2013 from Institute of Engineers, INDIA, Feb., 2013

Details from University College of Engineering, Kakinada

- Number of papers published in peer reviewed journals (national / international)
- **Monograph**

Dr G.V.S.R. Deekshitulu, Professor of Mathematics, authored a chapter in the monograph "Theory of Fractional Dynamic Systems", Cambridge Academic Publishers, Cambridge, 2009 by V Laxmikantham, S Leela and J.V. Devi.

- Chapters in Books - Nil
- Books edited - Nil
- Books with ISBN with details of publishers

The following are the Books published by the faculty members of University College of Engineering Kakinada, JNTUK.

S.No	Name of The Faculty Member	Books	Books with ISBN with details of publishers
Civil Engineering			
1	K.V.S.G. Murali Krishna	Glimpses of Environment	VGS Book links, Vijayawada, 3 rd edition, August 2006, ISBN:81-901404-1-8.
2	K.V.S.G. Murali Krishna	Chemical analysis of water and soil	Reem publications, New Delhi, 3 rd edition, ISBN: 978-81-8351-000-4.
3	K.V.S.G. Murali Krishna	Air pollution and control	University Science press(Laxmi publications pvt.ltd.), New Delhi, 2015, ISBN :978-93-83828-

			59-3.
4	K.V.S.G. Murali Krishna	Gate way to jobs	Environmental protection society, Kakinada, August 2015,ISBN:81-901404-6-9
5	K.V.S.G. Murali Krishna	The inspirer	Environmental protection society, Kakinada, June 2006, ISBN:81-901404-3-4.
6	K.V.S.G. Murali Krishna	Women who inspired the world	Reem publications New Delhi, 2009, ISBN:978-81-8351-017-2.
Electronics and Communications Engineering			
1	B. Leela Kumari K. Padma Raju	Optimization Techniques of Viterbi Algorithm	Lap Lambert- germany ISBN No : 978-3-659-11779-4
2	Y. Jagan Mohan Reddy K. Padma Raju	Energy Management and control system design for Hybrid power systems	Lap Lambert- germany ISBN No : 978-3-659-12224-8
3	Y. Jagan Mohan Reddy K. Padma Raju	Micro grid architectures and maintenance	Lap Lambert- germany ISBN No : 978-3-659-27797
4	Dr. K. Satya Prasad	Network Analysis	Cengage Learning India,2011
5	Dr. K. Satya Prasad	Electronic Devices Circuits	VGS Publications,2006
6	Dr. K. Satya Prasad	Signals and Systems	Cengage Learning India,2011
7	Dr. B. Prabhakara Rao	Probability Theory and Stochastic Processes	BS Publications, New Delhi ISBN No. 978-93-81075-98-2
Electrical and Electronics Engineering			
1	Dr. Ch. Sai Babu	Theory of Power Electronics	S. Chand Publishing 978-8-121-928045
2	Dr. S. Sivanagaraju	Network Analysis	Cengage Learning India Pvt.Ltd 978-8-131-515839
3	Dr. S. Sivanagaraju	Power Systems-I	Pearson Education (Singapore) PTE Ltd, India Branch 978-8-131-769003
4	Dr. S. Sivanagaraju	Basic Electrical and Electronics Engineering	Cengage Learning India Pvt. Ltd 978-8-131-519660
School of Manamngment Studies			
1	Dr. P. Vijaya Kumar	Strategic Management	Cengage Learning

2	Dr. P. Vijaya Kumar	Managerial Economics & Financial Analysis	Cengage Learning
3	Dr. P. Vijaya Kumar	Accounting for Managers	Himalaya Publishing House PVT.Ltd
4	Dr. P. Vijaya Kumar	Financial Management	Himalaya Publishing House PVT.Ltd
5	Dr. P. Vijaya Kumar	Management Science	Cengage Learning
6	Dr. P.V. V. Satyanaryana	Banker and Customer Relationship	Discovery Publishing House Pvt. Ltd., New Delhi
7	Dr. P.V. V. Satyanaryana	Financial Strategic Decisions	Discovery Publishing House Pvt. Ltd., New Delhi
8	Dr. P.V. V. Satyanaryana	Strategic Financial Management	Discovery Publishing House Pvt. Ltd., New Delhi
9	Dr. P.V. V. Satyanaryana	Business Research Methods	Thakur Publications, New Delhi
10	Dr. P.V. V. Satyanaryana	Investment Management	Thakur Publications, New Delhi
11	Dr. P.V. V. Satyanaryana	Strategic Management	Thakur Publications, New Delhi
12	Dr. P.V. V. Satyanaryana	Financial Risk Management	Thakur Publications, New Delhi
13	Dr. P.V. V. Satyanaryana	Entrepreneurship Development	Thakur Publications, New Delhi
14	Dr. P.V. V. Satyanaryana	Global Financial Management	Discovery Publishing House Pvt. Ltd., New Delhi
15	Dr. P.V. V. Satyanaryana	Strategic HRM	Discovery Publishing House Pvt. Ltd., New Delhi
16	Dr. B. Charwak	Change Management	Thakur Publications, New Delhi
17	Dr. Ramesh Malothu	Nanotechnology: Biomedical Applications	Siri Publishers & Distributions Pvt.Ltd 9789383038381, 2015

The following are the Research paper publication details of the faculty members of University College of Engineering Kakinada

S. No	Name of Faculty Member	No. of Citations	SNIP	SJR	Impact Factors		H-Index
					Range	Average	
ME							
1	Dr. B. Balakrishna	04	--	--	0.49-2.56	0.97	-

2	Dr. V. Ramachandra Raju	17	-	-	0.675-6.59	3.1	2
3	Dr. K. Mallikarjuna Rao	10	-	-	1.1-2.03	1.5	-
4	Dr. G. Ranga Janardhana	15	-	-	0.696-2.7	1.9	3
5	Dr. V. V. Subba Rao	08	-	-	0.429-3.54	1.4	1
6	Dr. A. Gopala Krishna	10	-	-	0.435-3.01	2.3	-
7	Dr. D. Linga Raju	-	-	-	1.07-2.7	1.1	-
8	V Jaya Prasad	-	-	-	1.11-1.69	0.95	-
Dept of EEE							
1	Dr. V. V. N. Murthy			-		2.33	2
2	Dr. M. Ramalinga Raju						
3	Dr. Ch. Sai Babu		0.79	0.303		1.17	8
4	Dr. S. Siva Naga Raju		1.764	0.504		1.07	12
5	Dr. R. Srinivasa Rao						
6	Dr.K. Ravindra		2.193	1.429		2.69	4
7	Shri T. Murali Mohan						
8	Shri K. Sri Kumar					0.56	1
9	Smt N. Sumathi					2.47	
10	Dr. K.Venkata Reddy	6				1.02	2
11	Shri M. Nageswara Rao					1.69	1
12	Shri. B. Naresh					1.6	1
13	Shri M. Ravindra Babu				0.25	1.69	1
Dept of Pharmacy							
1	G. Mani kumar	11	-	-	0.16-2.17	1.165	-
2	D. Vinay Kumar	10	-	-	0.3-2.0	1.15	-
3	Dr. M. Vara Lakshmi	13	-	-	2.01-2.006	2.008	-
4	K. Srinivasa Reddy	4	-	-	0.2-1.92	1.06	-
5	P. Veera Lakshmi	-	-	-	0.567	0.567	-
6	Y. Prasanth	-	-	-	0.4	0.4	-
7	M. Sandhya Madhuri	-	-	-	1.54	1.54	-
8	N. Ashritha	5	-	-	2.68	2.68	-
9	S. Ashok Krishnan	-	-	-	0.7	0.7	-
Dept of Chemistry							
1	Dr. S. Satya Veni				1.89-4.09	3.33	
2	Dr. G. Purna Chandra				2.01-3.84	2.62	

	Rao					
Dept of Mathematics						
4	Dr G.V.S.R. Deekshitulu	70	0.236		0.136-0.86	6

Give details of Faculty serving on the editorial boards of national and international journals

The following faculty members of **University College of Engineering Kakinada** are serving as reviewer, editorial board members and editors of various national and international journals.

S. No	Faculty Name	Editorial Board/ Steering committee	Name of the Journal
Mechanical Engineering			
1	Dr. A. Gopala Krishna,	Editorial Member	International Journal of Manufacturing Technology and Industrial Engineering
2.	Dept of ME,UCEK	Editorial Member	International Journal of Advanced Materials Manufacturing and Characterization
Computer Science Engineering			
3	Dr MHM Krishna Prasad	Editorial Member	International Journal of data analysis techniques and
4		Editorial Member	strategies Inderscience Publishers
Civil Engineering			
5	Prof. V. Ravindra	Reviewer	International Journal of Structural Engineering and Mechanics, Yuseong, Daejeon (ISSN 1225-4568) 305-600 Korea.
6	Prof. V. Ravindra	Reviewer	International Journal of Education Research & Development (ISSN-2327-316X)
7	Prof. V. Ravindra	Reviewer	World Journal of Engineering and Physical Sciences
8	Prof. K.V.S.G. Murali Krishna	Expert	Technical & Economic Appraisal to HPCSAC (High Power Committee for Swachha Andhra Corporation)
9	Prof. KVSG Murali Krishna	Scrutinizer	Solid Waste Management System under Swacha Bharat for 21ULBs of West and East Godavari Districts
10	Prof. K. Ramu	Member	Smart City Committee of Kakinada Municipal corporation

11	Prof. K. Ramu	Reviewer	Journal of Geo mechanics and Engineering
12	Dr. S. Madhuri	Reviewer	Institute of Engineers India Limited Civil Engineering
Electronics and Communications Engineering			
14	Dr. K. Satya Prasad	Editorial Member	for i-manager's Journal on Communication Engineering and Systems for the year 2015.
15	Dr. B. PrabhakaraRao	Editorial Member	Research Journal of Engineering and Technology, Science Technology Foundation, Anantapur.
16		Editorial Member	GITAM Journal of Information Communication Technology, Visakhapatnam
17		Editorial Member	Research Journal of Engineering and Technology, KL University, Guntur
Electrical and Electronics Engineering			
18	Dr.Ch.Sai Babu	Reviewer	1. International Journal on Electronic and Electrical Engineering (IJEET). 2. International Journal of Applied Engineering Research, Malaysia. 3. International Journal of Power Electronics (IJPE). 4. International Journal of Engineering and Industries (IJEI).
19			
20			
21			
22	Dr S. Siva Naga Raju	Reviewer	Power system research Electrical power component and Systems
23			
24	Dr R.Srinivasa Rao	Reviewer	IEEE Transactions on Power Systems IEEE Transactions on Power Delivery Taylor and Francis Journal European transactions on electrical power Science Direct IET
25	Dr K.Venkata Reddy	Reviewer	IEI(Series B),Springer PCEI 2016,IEEE US Energy Conversion and Management, Elsevier
Dept of Mathematics			
26	Dr.GVSR Deekshitulu	Reviewer	1.Italian Journal of Pure & Applied Mathematics Journal of Computation & Applied Mathematics
27		Reviewer	1.Mathematics-1, Tata Mc Grawhill Publ. 2.Mathematical Models
School of Biotechnology			

28	Dr. Ramesh Malothu	Reviewer	International Journal of Bioassays
			International Journal of Chemical and Lifesciences
			Annals of Plant Sciences
			Material Science and Engineering Part B
			Journal of Biotechnology and Agriculture

Faculty serving as members of steering committees of international Conferences recognized by reputed organizations / societies

S. No.	Faculty Name	Editorial Board/ Steering committee	Name of the Conference	Dates applicable
1	Dr M.H.M. Krishna Prasad, CSE Dept,UCEK	Session Chair	Int. Conference on ICRTET 2015,CMR Inst. Of Tech, Hyd	2015
2		Session Chair	Int.Conference on IPC-2011, Malaysia	2011
		RRC Member	VIT Vellore,Tamilnadu	
3	Dr. M. Swaroopa Rani,Civil Dept.	Co Session Chair	International Conference on Innovation in Structural Engineering, OU, Hyderabad	14-16 th Dec. 2015
4	Dr S.V.U.M. Prasad, Pharmacy Dept.	Member	Pharmacy Council of India	
5	Dr.G.V.S.R. Deekshitulu Dept of Maths	Member	National conference "NCRTMA", SRM University, Chennai	2011 & 2016

Research awards of received by the faculty and students

S. No	Name of the faculty	Details of Awards /Recognition
Mechanical Engineering		
1	Dr. V. Ramachandra Raju	AP State Teacher Award for the year 2015 University Meritorious Teacher Award for the year 2010, JNTUK Kakinada
2	Dr. K. Mallikarjuna Rao	A.P State Teacher award in 2011 Visweswaraya Engineer of the year 2010
3	Dr. G. Ranga Janardhana	A.P State Teacher award in 2013
4	Dr. D. Lingaraju	DST Young Scientist award for the year 2013-14.
Computer Science Engineering		
5	Dr J.V.R. Murthy	A.P State Teacher award in 2013
Civil Engineering		
1	Prof. V. S. S. Kumar	Post Doctorial Programme at Univ. of

		Wisconsin-Madison, USA
2	Prof. G.V.R.P. Raju	The Corps of Engineers IE(India), 2009
3	Prof. V. Ravindra	A.P State Teacher award in 2013
		Engineering Education Award from the District Collector East Godavari, 15-8-2010
		Best Engineer of the University 2014
4	Prof. K.V.S.G. Murali Krishna	State Best Teacher Awardee 2015
		National Award for Teaching Excellence in Civil Engineering” by Indo-Global Education summit- November 2013
		Bharat Excellence’ Award from FFI, New Delhi, 2002
		Dedicated Service to Society by E.G. Dt.-2011
		Rs. 1 lakh Cash Award from IEG, Govt. of A.P. for service to Special Training Programs for the Socially Challenged sections of the society
		Vocational Excellence Award from Rotary Club, 2013
5	Dr. D. Koteswara Rao	National Award for Teaching Excellence in Civil Engineering” by Indo-American Education summit- February 2013
		National Award for Teaching Excellence in Civil Engineering” by Indo-Global Education summit- November 2013
6	Dr. K. Ramu	The International Geosynthetic Society Student Award September 2002.
		Outstanding organization of Indian Geotechnical Conference 2014
7	Dr. S. Madhuri	Fellowship to present paper in XX World Congress on safety and health at work, Frankfurt, Germany, 24-27 August 2014
		Doctoral Fellowship
		Post graduate Fellowship
8	Anusha. K. S. R M. Tech Student	Best Paper Award in Student fest held at NIT Bhopal
Electronics and Communications Engineering		
1	Dr. K. Satya Prasad	State Best Teacher by AP State Govt. in 2009
		Best Principal by IIE&M in 2010
		Sikhs Ratan by IIFS in 2010
		Best Citizen of India by International Publishing House
2	Dr. B. Prabhakara Rao	Received the “State Best Teacher Award” for the year 2010 by the Government of Andhra Pradesh on 5 th September 2010 (Teacher’s day)
		Received “Best Citizen of India Award 2010”from Sri GM Singh ,Director International Publishing House New Delhi in November 2010 in recognition of Outstanding

		Performance in the Technical field. Received “Shiksha Rattan Puraskar National Award” from India International Friendship Society, NewDelhi during the Conference on “Role of Education in Modern India” on 8 th September 2010 in token of meritorious Services and achievements in the field of education.
3	Dr K Padma Raju	A.P State Govt. Best teacher award in 2014 JNTUniversity Best teacher award.
4	Dr K Babulu	The Best Paper Award for the technical paper presentation in the national Seminar held at SKD University, Anantapur, India during 19-20 March, 2006. The Best Paper Award for the technical paper presentation in the national Conference (ETICT-08) held at GITAM University, Visakhapatnam during 19-20 th December, 2008
Electrical and Electronics Engineering		
1	Dr. Ch. Sai Babu	Best Teacher (2010), JNTUK
2	Dr. S. Siva Naga Raju	University Award to JNTUK Researcher-2009-JNTUK University Award to Meritorious Teacher-2010-JNTUK
3	Dr R.Srinivasa Rao	Best teacher (from 2004-2011) UGC Research Award 2012-2014
4	Dr. K. Ravindra	Best Teacher (2012-15)
5	Dr. K.Venkata Reddy	Young Engineer (2013),IEI Tata Rao Gold medal (2012).IEI
School of Biotechnology		
6	Dr. Ramesh Malothu	Fast Track Young Scientist Awarded by D.S.T, Govt.of India Best Research Paper Awarded by Planetary Scientific Research Center-Bangkok, Thailand. Associate Fellow awarded by AP Science Congress, 2016

- National and international recognition received by the faculty from reputed professional bodies and agencies.

The following are the National and international recognitions received by the faculty of University College of Engineering Kakinada

S. No	Name of the faculty member	Details of Committee/Editorial board/ any other committee
Biotechnology		
1	Dr. Ramesh Malothu	Budapest Treaty on the International Recognition of the deposit of Microorganism: Microbial type

		Culture & Gene Bank CSIR-IMTECH, MTCC Number: MTCC 25069
Mechanical Engineering		
1	Dr. V. Ramachandra Raju	Member of South Central Regional Committee of AICTE
2	Dr. G. Ranga Janarthana	BoS Member
3	Dr. B. Balakrishna	1. Secretary, Institute of Engineers (India), Kakinada Center
		2. Committee Member, AICTE Inspection Committee Member for affiliation of Engineering Colleges
		3. BoS Member, JNTUH, Hyderabad
4	Dr. A. Swarna Kumari	UPSC Advisor (2010-11 & 2014-15)
Electronics and Communications Engineering		
1	Dr. B. Prabhakara Rao	AICTE Committee Member for Sanction of Private Engineering colleges in Andhra Pradesh & Karnataka.
		Expert Committee Member for State Govt. for Sanction of Private Engineering colleges in Andhra Pradesh.
		UGC Committee Member for sanction of Autonomous Status for Private Engg
		AICTE Committee Member for Sanction of Private Engineering colleges in Andhra Pradesh & Karnataka.
		Expert Committee Member for State Govt. for Sanction of Private Engineering colleges in Andhra Pradesh.
		UGC Committee Member for sanction of Autonomous Status for Private Engg
		AICTE Committee Member for Sanction of Private Engineering colleges in Andhra Pradesh & Karnataka.
		Expert Committee Member for State Govt. for Sanction of Private Engineering colleges in Andhra Pradesh.
		UGC Committee Member for sanction of Autonomous Status for Private Engg
2	Dr. I. Santhi Prabha	Posted as Official Adviser- The Commission in the Engineering Service Examination, Personality Test Boards by UPSC, during 2010 – 2011.
		JNTUH-Expert review committee member faculty recruitments for scrutinizing the applications during 2013.
		Nominated as Chairperson for the committee in JNTUK
		to take care of the cases pertaining to sexual harassment.
		Posted as Official Adviser- The Commission in the Engineering Service Examination, Personality Test

		Boards by UPSC, during 2010 – 2011.
		Member, Southern Central Regional Committee, Hyderabad under the AICTE, New Delhi
		Member, Sub Committee on Ranking on Engineering Colleges in A.P and Telangana, AICTE, SCRO, Hyderabad.
		Member EAMCET Admission Committee – 2013, A.P APSCHE, Hyderabad
		Member EAMCET Admission Committee – 2014, A.P and Telangana APSCHE, Hyderabad
3	Dr. K. Babulu	Taskforce Committee Member for Private Engineering Colleges in Ranga Reddy District, Andhra Pradesh.
Electrical and Electronics Engineering		
1	Dr. Ch. Sai Babu	E-CET Convener, 2012,2013 &2014
		EAMCET Convener, 2015 & 2016
Pertroleum Engineering and Petrochemical Engineering		
1	Prof. K.V. Rao,	Faculty Advisor ,SPE (Society of Petroleum Engineers) Committee Member, Environment, Forests, Science & Technology Department, Govt. of Andhra Pradesh.
Management Studies		
1.	Prof. P. Vijay Kumar,	1. Life member, All India Management Association, New Delhi 2. Life member, National HRD Network 3. Member, Standing Committee of Academic Senate, JNTUK, Kakinada Since 2009 4. Chairman, Board of Studies in Management Studies, Jawaharlal Nehru Technological University Kakinada, Since 2009 5. Member, Board of Studies in HSS, University College of Engineering, JNTUK, Kakinada 6. Member, Board of Studies in Management Studies, Adikavi Nannaya University, Rajahmundry 7. Member, Board of Studies in Management Studies, Vikrama Simhapuri University, Nellore Since, 2015 8. Member, Board of Studies in Management Studies, Gudlavalleru Engineering, Gudlavalleru, Krishna District. 9. Member, Board of Studies in Management Studies, PVP Siddhartha Institute of Technology, Vijayawada. 10.Member, Board of Studies in Management Studies, QIS College of Engineering & Technology, Ongole.
School of Biotechnology		
7	Dr. Ramesh Malothu	Board of Studies, Convenor for Biotechnology JNTUK

	Fellow of Society for Biotechnology, Bioengineering and Bioinformatics
	Life Member, Indian Society for Technical Education (MISTE)
	Life Member, The Biotech Research Society, India(BRSI)
	Life Member, Indian Science Congress, Kolkata (MISC)

- The following are the Books published by the faculty members of University College of Engineering Kakinada, JNTUK.

S.No	Name of The Faculty Member	Books	Books with ISBN with details of publishers
1	Dr. E.V. Prasad, CSE Dept, UCEK	C & Data structures	S Chand Publishers,New Delhi
2	Dr. V. Ravindranath, Dept of Maths	Mathematical Methods	Himalayan Publishers

3.4.3 Give details of faculty serving on the editorial boards of national and international journals/ faculty serving as members of steering committees of international conferences recognized by reputed organizations / societies

The following are the details of successful Ph.D. Scholars guided by the faculty of University College of Engineering Vizianagaram JNTUK

S.No	Name of Faculty	10-11	11-12	12-13	13-14	14-15	Total
Mechanical Engg Dept,UCEK							
1	Dr. V. Ramachandra Raju	-	-	1	1	3	5
2	Dr. K. Mallikarjuna Rao	-	1	1	2	1	5
3	Dr. G. Ranga Janardhana	5	4	-	3	3	15
4	Dr. V. V. Subba Rao	-	-	-	1	2	3
5	Dr. A. Gopala Krishna	-	-	-	2	2	4
Dept of CSE,UCEK							

S.No	Name of Faculty	10-11	11-12	12-13	13-14	14-15	Total
6	Dr. J.V.R. Murthy						8
7	Dr. Ch. Satyanarayana						12
8	Dr. M.H.M. Krishna Prasad						3
Dept of Civil, UCEK							
1	Dr. P. Uday Bhaskar		1	1	1	2	5
2	Dr. G.V. R. Prasada Raju			1	1	2	4
3	Dr. V. Ravindra	1				6	7
4	Dr. K.V.S.G. Murali Krishna					2	2
5	Dr. P. Subba Rao					1	1
6	Prof. K. Ramu					1	1
Dept of ECE, UCEK							
1	Dr. A. M. Prasad					3	3
2	Dr. K. Satya Prasad						10
3	Dr. B. Prabhakara Rao						8
4	Dr. S. Srinivasa Kumar						4
5	Dr. I. Santhi Prabha						2
6	Dr. K. Padma Raju						2
Dept of EEE							
1	Dr.M. Ramalinga Raju			1	1		2
2	Dr. Ch. Sai Babu						7
3	Dr. S.Siva Naga Raju	1	1	1	1	1	5
4	Dr. R.Srinivasa Rao			1			1
Dept. of Chemistry (Inter disciplinary)							
1	Dr. P Uday Bhaskar & Dr P.V.S .Machiraju					1	1

S.No	Name of Faculty	10-11	11-12	12-13	13-14	14-15	Total
2	Dr. P. Dakshina Murthy & Dr Y Anjaneyulu			1			1
Dept. of Mathematics							
1	Dr. V. Ravindranadh			1			1
2	Dr. G. V. S. R. Deekshitulu			1			1

3.4.4 Provide details of research awards received by the faculty and students / national and international recognition received by the faculty from reputed professional bodies and agencies

1. Dr. K. Ramu The International Geosynthetic Society Student Award September 2002. Paris

3.4.5 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the university participate in *Shodhganga* by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?

Average number of successful PhDs guided by Faculty: 4

Participation in Sodhganga: In process

3.4.6 What is the official policy of the university to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

The Ph.D theses of research scholars are verified for plagiarism check using Turnitin - An Anti-plagiarism software procured by this University. The thesis is verified from Title cover to References (including Introduction, literature survey, contributory chapters and conclusions) and if plagiarism content is less than 30%, then the thesis is accepted.

However, no action is initiated against any research scholar, if the plagiarism is more. The research scholar is given an opportunity to modify the thesis to reduce the plagiarism content so as to satisfy the mandatory requirements.

Permanently affiliated institutions are given an opportunity to verify their research through Turnitin – software procured by this University, by creating the id and password to these institutions.

This University is contributing to the research of other Universities also, by extending the service of plagiarism check by the software procured by this University upon request from the Registrar of the respective University.

3.4.7 Does the university promote interdisciplinary research? If yes, how many interdepartmental / interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?

University promotes interdisciplinary research in the following areas.

- ❖ Nano Technology (Physics, Chemistry, and All Engineering branches)
- ❖ Bio-Technology
- ❖ Food Technology (Chemistry, Bio Technology)
- ❖ Renewal Energy resources (Mechanical, Civil, Electrical & Electronics, Material Sciences)
- ❖ Environmental sciences (Civil, Chemistry, Chemical Engg)
- ❖ Spatial Information Technology (Civil, Electronics, Mechanical)
- ❖ Computer Science (Any Branch of Science with Mathematics and also Engineering Branches)

- **Inter disciplinary projects in Bio-Technology**

- ❖ Bioprocess Technology Development and Process Optimization of L-Lysine production by *Corynebacterium glutamicum*., Investigator: Dr. Ramesh.Malothu
Funding agency: Department of Science and Technology Amount: 25.40 Lakhs
- ❖ Creation of facilities for translational research in Type 2 Diabetes Mellitus
Investigator :Dr. Ramesh.Malothu
Funding agency: Department of Science and Technology Amount: 530 Lakhs

3.4.8 Has the university instituted any research awards? If yes, list the awards. If yes, list the awards.

As per the research guidelines of 2012-13, Best thesis award has been constituted.

However, till date two thesis (one in chemical Engineering & one in Electrical & Electronics Engineering) have been submitted, thereby, the modalities are yet to be finalized.

3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?

Separate incentives cannot be given for quality research contributed and for receiving state, National and International recognition. However, such faculty members are given due consideration for their promotions to higher position, and encouragement by giving necessary importance to their work.

3.5 Consultancy

3.5.1 What is the official policy of the university for structured consultancy? List a few important consultancies undertaken by the university during the last four years.

The University is having a Directorate of Bureau of Industrial Consultancy services Guidelines have been formed for taking the consultancy activity which will be revised from time to time.

The document contains the details of identifying the project, MoUs' and Payment of Policy, Disbursements of Remunerations and documentation, Certification and all other related issues connected to consultancy.

All activities are connected to offering industrial consultancy services to private and public organizations are stipulated by the above document.

Funds Generated from External sources of funds through Industrial Consultancy services:

Name of the external source	CAY	CAY _{m1}	CAY _{m2}	CAY _{m3}
	2015-16*	2014-15	2013-14	2012-13
ICS (Rs.)	30,08,382/-	67,88,319/-	1,05,39,137/-	96,24,884/-

**As on Nov. 2015*

3.5.2 Does the university have a university-industry cell? If yes, what is its scope and range of activities?

In the University, there are two units taking care of University – Industry interaction. They are as follows:

- ❖ Bureau of Industrial Consultancy Services
- ❖ Industry – Institute Interaction, Placement and Training.

The Bureau of Industrial Consultancy services is taking care of exclusively civil Engineering consultancy works, while, Industry – Industry Interaction, Placement and Training Unit, is taking care of consultancy in other disciplines.

3.5.3 What is the mode of publicizing the expertise of the university for consultancy services? Which are the departments from whom consultancy has been sought?

College of Engineering, Kakinada is sixty year old institute actively involved in consultancy services. The expertise is being utilized by Government, Quasi Government, as well as private organizations. The procedure for consultancy have been established and modified from time to time.

3.5.4 How does the university utilize the expertise of its faculty with regard to consultancy services?

The revenue generated will be partially kept at the disposal of the University and utilized for University developmental activities. All the construction activity, Maintenance of Civil and Electrical requirement is taken up by Civil and Electrical Engineering Departments.

3.5.5 List the broad areas of consultancy services provided by the university and the revenue generated during the last four years.

Civil Engineering

Industrial Consultancy Services offered by the Department in the Following major Areas

- ❖ Structural Engineering
- ❖ Geotechnical Engineering
- ❖ Environmental Engineering
- ❖ Surveying and Remote Sensing with GIS
- ❖ Water Resources Engineering

Funds Generated from External sources of funds through Industrial Consultancy services:

Name of the external source	CAY	CAY _{m1}	CAY _{m2}	CAY _{m3}
	2015-16*	2014-15	2013-14	2012-13
ICS (Rs.)	30,08,382/-	67,88,319/-	1,05,39,137/-	96,24,884/-

**As on Nov. 2015*

Major Clients

- ❖ M/s Reliance Industries, Gadimoga, East Godavari
- ❖ M/s Kakinada Seaports Limited
- ❖ M/s IOCL
- ❖ Andhra Pradesh state government Department (R&B, Housing, Municipal corporation Pnachatraj, Social Welfare Department etc..)
- ❖ DMIG, Far East Marine Geology Engineering Co., Vietnam. (2006 & 2010)
- ❖ Engineering Staff College of India, Indira Sagar Right Main Canal. (2010)

Major MOUs with Organizations:

- ❖ DMIG, Far East Marine Geology Engineering Co., Vietnam. (2006 & 2010)
- ❖ Engineering Staff College of India, Indira Sagar Right Main Canal.
- ❖ M/s IOCL for Soil Investigation and Foundation Design
- ❖ Sampradayam work, with the District Collector, Srikakulam
- ❖
- ❖ Pushkar Works of Godavari river with the District collector, East Godavari

EEE Department

High Voltage Engineering and Measurements Lab

Amount generated: 1.5 lacks /annum

The Department is having a good in the field of Electrical measurements and HV Engineering testing for various departments and organizations is providing the consultancy services to nearby industries in particular AP Transco, APEPDCL, and other industries around Kakinada.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the university sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.

NCC, NSS, Blood Donation, Carbon Credits Club, Cyclone relief and rehabilitation and other Social services like Attending needs of Oldage homes are taken up by the University. Wholistic development as a complete citizen with responsibilities and attending to social responsibilities.

3.6.2 How does the university promote university-neighbourhood network and student engagement, contributing to the holistic development of students and sustained community development?

University is involved in several activities through services offered by NCC, NSS, Student Clubs, Association with NGOs like Loins Club, Cosmopolitan Club helping poor and needy by Blood Donation, Cyclone Relief activities, Fire victims, adopting Oldage homes, sick villages and also environment protection through Carbon Credits Clubs etc. up by the University. Wholistic development as a complete citizen with responsibilities and attending to social responsibilities.

3.6.3 How does the university promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programmes?

The following are the NSS activities of University College of Engineering Kakinada, JNTUK

NSS report during the year 2009-2010

No. of adopted villages/slums	:	36
No. of Special camps organized	:	26
No. of saplings planted	:	7,250
No. of blood donation camps held	:	36
No. of units of blood collected	:	3,780
No. of health check up camps conducted	:	36
No. of illiterates made literate	:	5,50
No. of Awareness programmes on HIV/AIDS	:	36

No. of Health Check-up camps conducted by Gynecologist for rural women	:	21
No. of children immunized against polio	:	1550

NSS reports during the year 2010-2011

No. of adopted villages/slums	:	90
No. of Special camps organized	:	89
No. of saplings planted	:	39,200
No. of blood donation camps held	:	112
No. of units of blood collected	:	7,641
No. of health check up camps conducted	:	90
No. of illiterates made literate	:	1,060
No. of Awareness programmes on HIV/AIDS	:	90
No. of Health Check-up camps conducted by Gynecologist for rural women	:	52
No. of children immunized against polio	:	4560

NSS reports during the year 2011-2012

No. of adopted villages/slums	:	120
No. of Special camps organized	:	117
No. of saplings planted	:	53,350
No. of blood donation camps held	:	155
No. of units of blood collected	:	15,575
No. of health check up camps conducted	:	122
No. of illiterates made literates	:	2440
No. of Awareness programmes on HIV/AIDS	:	122
No. of Health Check-up camps conducted by Gynecologist in rural areas	:	72
No. of children immunized against polio	:	7250

NSS reports during the year 2012-2013

No. of adopted villages/slums	:	122
No. of Special camps organized	:	100
No. of saplings planted	:	34,350
No. of blood donation camps held	:	122
No. of units of blood collected	:	17,070
No. of health check up camps conducted	:	122
No. of illiterates made literates	:	2125
No. of Awareness programmes on HIV/AIDS	:	122
No. of Health Check-up camps conducted by Gynecologist for rural women	:	72
No. of candidates benefitted	:	9,785

SPECIAL CAMPS TARGETS AND ACHIEVEMENTS

Special Camps during 2009-10:

1. Number of special camp proposals received	:	36
2. Sanctioned and Grant Released	:	36
3. Number of special camps completed so far	:	26
4. Pending camps	:	10

Special Camps during 2010-11:

1. Number of special camp proposals received	:	90
2. Sanctioned and Released	:	90
3. Number of special camps completed	:	89
4. Pending camp	:	01

Special Camps during 2011-12:

1. Number of special camp proposals received	:	122 [120+2 Self Finance]
2. Sanctioned and Released	:	120
3. Number of special camps completed	:	117
4. Pending camp	:	05

Special Camps during 2012-13:

1. Number of special camp proposals received	:	122
2. Sanctioned and Released	:	100
3. Number of special camps completed	:	100
4. Pending camp	:	20

❖ Conducted Awareness programme on voter enrolment at senate hall at on 15-12-2013. Helped 236 applicants for online enrolments for new voter-ids.

❖ Nominated volunteers for the 150th Birth Anniversary Celebrations of Sri Swami Vivekananda, Youth festival at Rajahmundry.

❖ Collected amount Rs. 2,218/- by selling car flags and stickers & credited to Director, sainik welfare office account for the welfare of ex-soldiers and their families.

❖ Participated Republic Day March at JNTUK on behalf of UCEK JNTUK-Kakinada.

❖ Conducted medical review camp at Anandha nilayam, kakinada for the orphan house boys on 30th and 31st January 2014 by the help of university doctor, and suggested medicines.

❖ NSS Volunteers Participated in the inauguration programme of creating awareness of Rajeev Gandhi Khel Abhiyan in the month of February, 2014 (National Youth Policy).

❖ Created awareness regarding online passport mela at JNTUK-Kakinada.

❖ NSS volunteers served for MPTC/ZPTC Elections-2014 to support AP, Police.

- ❖ NSS volunteers served for MPTC/ZPTC Elections-2014 by doing web casting to support the Election commission.
- ❖ NSS volunteers served for general Elections-2014 by doing web casting to support the Election commission.
- ❖ Conducted blood donation camp on 28-06-2014. 120 members are donated blood to utilize the blood for the society.
- ❖ Conducted plantation programmes on 23-08-2014 and 13-09-2014. Around 650 plants are planted in the campus.
- ❖ Conducted seven days special camp at Unduru village from 25-08-2014 to 31-08-2014. It includes village survey, eye check up camp, general health check up gynaecology check up, blood grouping, agriculture awareness, classes to school children about computer awareness etc...
- ❖ Conducted Hepatitis-B vaccination program for three doses with one month gap between each dose from September 2014 to November 2014.
- ❖ Around 1500 members get vaccinated.
- ❖ One of the NSS volunteer attended pre republic day camp training for one week at Rajahmundry.
- ❖ NSS volunteers served for passport mela on 25-10-2014 conducted at JNTUK.
- ❖ Conducted Swachh Bharat program on 22-11-2014 and cleaned the college campus.
- ❖ Two NSS volunteers attended NSS mega camp at SVU, Tirupathi for five days from 20-12-2014 to 24-12-2014.
- ❖ NSS volunteers collected the cloths and rice from the social people and distributed to orphan children and old aged people on 01-01-2015.
- ❖ Conducted Homeopathy camp on 26-01-2015 and 27-01-2015 to avoid swine flu virus. Around 7000 people utilized the homeopathy camp.
- ❖ Conducted traffic awareness program on 07-03-2015. Practical training also included in the program
- ❖ Conducted Swachh Bharat program on 04-07-2015 and cleaned the EEE department in the college campus.
- ❖ Conducted Swachh Bharat program on 22-08-2015 and cleaned the walking track at the JNTUK indoor stadium.
- ❖ Conducted Swachh Bharat program on 09-09-2015 and cleaned the PE &PCE departments in the college campus.

- ❖ Conducted Swachh Bharat program on 03-10-2015 and cleaned the walking track at the JNTUK 'A' type staff quarters and premises of Bus shed etc....
- ❖ Conducted "we are with you Chennai" program from 05-12-2015 to 10-12-2015. Collected fund and distributed the blankets, grocery items at Chennai (Ennore slum area).

The following are the NSS activities of University College of Engineering Vizianagaram, JNTUK

S.NO.	NSS UNIT	Name of the NSS Activity	Schedule	
			From	To
1	JNTUK UCEV	Participation of 30 NSS Volunteers in Youth Convention, Vizianagaram	05-11-13	05-11-13
2		Participation of Essay Writing Competitions by NSS Volunteers conducted by Chaganti Satsangam	11-11-13	11-11-13
3		Flag Day Celebrations at JNTUK UCEV	07-12-13	07-12-13
4		Clean & Green Programme	13-12-13	14-12-13
5		Voter Enrollment Drive at JNTUKUCEV	17-12-13	17-12-13
6		Participation of students in Indian Student Parliament, Pune	10-01-14	12-01-14
7		Participation of students in Republic Day Parade at JNTUK Kakinada	26-01-14	26-01-14
8		Aadhar Card Enrollment week at JNTUK UCEV	03-02-14	08-05-14

Details of NSS Activities of University College of Engineering Vizianagaram, JNTUK during 2014-2015

S.No	Name of the NSS activity	Venue	Date of Activity
1	Blood Donation Camp	UCEV, Vizianagaram	26-02-2015
2	Blood Donation Camp	UCEV, Vizianagaram	20-04-2015
3	Vanamahostav day	UCEV, Vizianagaram	24-07-2015
4	Yoga Day	UCEV, Vizianagaram	21/06/2015
5	March fast	UCEV, Vizianagaram	15/08/2015
6	Swatcha Bharath is done in and around college the college premises	UCEV, Vizianagaram	Every Saturday

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the university to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

University has conducted NTR Vidyonnathi Scheme to select the 250 SC & 100 ST candidates for training them in prominent institutes for Civil services examinations in the year 2015. This has created awareness in underprivileged and most vulnerable sections of society to improve their career and employability skills. Further, this University expects to do the same in every year.

Training programmes are organized by SC & ST cell to create the awareness camps about various welfare measures available and also train them to improve their skills and employability.

3.6.5 Does the university have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?

The University has a well-structured mechanism for conducting various social movements / activities which promote citizenship roles.

Students are encouraged to enroll and registration in NSS, NCC units of the University

Faculty members coordinate various extension programmes to monitor them effectively.

Regular meetings/activities and training will be conducted to encourage the students to participate in social activities.

3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the university, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.

Student is motivated to transform into a complete human being with zeal to serve need of the society through the National Service Scheme activities.

Considerable number of students is participating in the activities and the number is improving progressively.

The efforts of the students are commemorated appropriately in all university cultural and extension activities in the form of appreciation and certification for the services rendered. The affiliated college submits the activities taken up by respective NSS Units every year.

The best performing Institute NSS programme officers as well as student volunteers are given due recognition in University day celebrations.

3.6.7 How does the university ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the university which have encouraged community participation in its activities.

2014-15: Counseling for school drop outs in the near-by schools of Dwarapudi village of Vizianagaram district.

3.6.8 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

As the University College of Engineering Vizianagaram is established in the year 2007, the institute is still working to achieve awards for extension activities and/ Contributions to social/ community development

3.7 Collaboration

3.7.1 How has the university's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the university benefitted academically and financially because of collaborations?

University has collaborated with various industries and also foreign Universities to improve the academic environment in the campus and provide opportunity to the students to improve their qualifications and skills.

University has executed MoUs' with BEL, Bangalore, Honeywell, Bangalore, Teja Networks. These companies provided the high quality equipment and software to establish the laboratories in specialized areas.

In collaboration with Infotech Enterprises, this University has started PG programme in M.Tech (Avionics) course.

University has executed MoUs' with Blekinge Institute of Technology, Sweden, Asian Institute of Technology, Bangkok.

3.7.2 Mention specific examples of how these linkages promote

* Curriculum development

Academic linkages with higher learning institutes and Industries have helped the institution in designing and updating curriculum that are of global standard and benchmark. Academic and industrial Experts of various fields are part of Board of Studies (BoS), Academic Council and Governing Body.

In collaboration with Infotech Enterprises, this University has started PG programme in M.Tech (Avionics) course

* Internship

Many students of the university have benefitted from collaborations and the internships in Defence organizations, industries like Honeywell Automation and various software companies.

* On-the-job training

* Faculty exchange and development

University has executed MoUs' with Blekinge Institute of Technology, Sweden, Asian Institute of Technology, Bangkok for faculty exchange program

* Research

The Industrial linkage led to the award of one Doctor of Science in Computer Science and Engineering to Dr. Raghu Babu Korrapati, Vice-President, Computer Science Corporation, for thesis entitled "A study on Medical decision support systems with reference to Artificial Intelligence based Hospital patient disposition system" in the year 2014 and as a result the university is building good linkage with the industries resulting in latest research.

* Publication

Academic linkages have enhanced interdisciplinary research activities of UG, PG students are doing the projects in industries and different Defence Research organizations that have resulted in quality research paper publications.

* Consultancy

* Extension

* Student placement

The academic linkages established by the university have enhanced its academic profile and has resulted in increase in the number of companies visiting the campus for placement. Some of the major companies who visit the campus annually for placements are TCS, Cognizant Technologies, Honeywell Automation,

* Any other (please specify)

3.7.3 Has the university signed any MoUs with institutions of national/international importance/other universities/ industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the university?

University College of Engineering Vizianagarm, JNTUK and Tata Consultancy Services entered into a MoU on Affirmative Action Program, to improve the employability of students.

3.7.4 Have the university-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

University has executed MoUs' with BEL, Bangalore, Honeywell, Bangalore, Teja Networks. These companies provided the high quality equipment and software to establish the laboratories in specialized areas.

Any other information regarding Research, Consultancy and Extension, which the university would like to include.

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CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 How does the university plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

- ❖ The University is located in 86 Acres of the erstwhile Engineering College.
- ❖ The college is elevated to University in the year 2008.
- ❖ The campus is divided into Administrative, Academic, Sports and Living areas
- ❖ Every department is provided with dedicated buildings and Laboratories, Class rooms, Faculty rooms, Drawing room, Toilets for ladies and Gents
- ❖ Separate Hostels are provided for Gents and Ladies covered with protective fencing.
- ❖ The Hostel rooms can accommodate 3 students per room.
- ❖ Separate Dining room Recreation Room, Gymnasium, Reading Room and Medical facilities are provided
- ❖ Dedicated Sports pavilion was constructed with Indoor Stadium accommodating Gymnasium, Dormitory, Visitors rooms, wooden courts for Shuttle badminton, volley ball was provided
- ❖ The outdoor portion of the pavilion can accommodate Cricket, Basket Ball, and other sports facilities.
- ❖ Student Amenities like Hospital, Bank, Post office, Library, Canteen, Dedicated shopping facilities for Stationary, and other essential facilities are provided
- ❖ The space of the campus is planned for optimal utilization incorporating all essential features including ambience with well planned entry and exit and with planned Roads, Gardens, Lighting, generator and other basic facilities.
- ❖ 12.5KV Solar power generation facility
- ❖ The University provide funds if any further requirements arises from time to time.

4.1.2 Does the university have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Yes

- ❖ The University Building Committee will submit the proposals for providing, improving the infrastructure facilities based on the requests from the respective departments

- ❖ The proposals are submitted for approval in the Academic Council (MDC)
- ❖ Upon the approval and after according the financial clearance the construction activity will take place through E Procurement process.
- ❖ In recent past the following initiatives took place
- ❖ Dedicated infrastructure to improve teaching learning environment is provided for newly established Petroleum and Petrochemical courses, University Central Library, Examination branch, Research Scholars center, Institute of science and Technology, Pharmacy courses are developed at Kakinada campus.
- ❖ Infrastructure facilities like Academic block, Central Library, New Girls Hostel, Boys Hostel, Sports Pavillion, Staff quarters are provided at Vizianagaram campus.

4.1.3 How does the university create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

- ❖ The university create Conducting Physical ambience for the faculty and teachers in terms of the following facilities
- ❖ Dedicated Innovations Research center was under construction to proved working space for Research Students, 24×7 Computer Laboratories, Student Innovations centers, Student Incubation facilities along with Seminar rooms to Research Scholars are developed.
- ❖ Staff are provided with quarters in campus, dedicated rooms in department with Computer, Printer and Internet services and other facilities are provided towards conducive physical ambience to staff in both the campusses.

4.1.4 Has the university provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?

Yes

Every Department was provided with

- ❖ Office room to accommodate Heads of the department and office administrative staff
- ❖ Dedicated Class rooms for students of both UG and PG classes
- ❖ Individual non sharing Laboratories for all subjects incorporated in course curriculum
- ❖ Dedicated Faculty rooms with senior faculty availing attached toilets

- ❖ Separate rest rooms for Women students with all facilities
- ❖ Computer center, Drawing rooms provided in compound having garden to improve atmosphere

4.1.5 How does the university ensure that the infrastructure facilities are disabled-friendly?

- ❖ Every Academic, Administrative, Hostel, Sports and amenities building in the campus was modified as disabled student friendly with comfortable ramps at entry to access the ground floor of the buildings
- ❖ Care is taken to reorient the class work in ground floor incase of presence of such students in a class.

4.1.6 How does the university cater to the requirements of residential students? Give details

The following hostels with the details furnished are available in the campus

University College of Engineering Kakinada

Sl. No	Hostel	No of Rooms	Student Capacity	Other Facilities provided
Hostel for Women				
1	Nagavali - I	144	450 (3/room)	Dining room, Reading Room, Gymnasium, Indoor Sports, TV Room, Dormitory, Toilet Blocks (2/floor), Ramp
2	Nagavali - II	26	78 (3/room)	Medical officer room, Dining room, Reading Room, Gymnasium, Indoor Sports, TV Room, Dormitory, Toilet Blocks (2/floor), Ramp
3	Nivedita	48	144 (3/room)	Dining room, Reading Room, Indoor Sports, TV Room, Dormitory, Toilet Blocks (2/floor), Ramp
Hostel for Men				
1	Nalanda	60	180 (3/room)	Dining room, Reading Room, Indoor Sports, TV Room, Dormitory, Toilet Blocks (2/floor), Ramp
2	Nagarjuna	84	252 (3/room)	Dining room, Reading Room, Indoor Sports, TV Room, Dormitory, Toilet Blocks (2/floor), Ramp
3	Narendra	40	120 (3/room)	Dining room, Reading Room,

				Indoor Sports, TV Room, Dormitory, Toilet Blocks (2/floor), Ramp
4	Nataraja	31	93 (3/room)	Dining room, Reading Room, Toilet Blocks, Ramp

Permission for construction was submitted to government for construction of two floors above Nagavali –II Girls hostel (96) and two floors above Nivedita hostel (48) for total addition of 144 rooms to accommodate 432 students.

University College of Engineering Vizianagaram

S.No	Hostel	No.of Rooms	Allotted	Facilities
1	Girls Hostel	113	640	Dining room, Reading Room, Indoor Sports, TV Room, Dormitory, Toilet Blocks (2/floor), Ramp
2	Girls Hostel for PG students	96	New Building To be allotted	Dining room, Reading Room-2, Indoor Sports, TV Room, Dormitory, Toilet Blocks (2/floor), Ramp
3	Boys Hostel I	108	580	Dining room, Reading Room-2, Indoor Sports, TV Room, Dormitory, Toilet Blocks (2/floor), Ramp
4	Boys Hostel II - Vamsadhara	96	170	Dining room, Reading Room, Indoor Sports, TV Room, Dormitory, Toilet Blocks (2/floor), Ramp

* Recreational facilities in hostel/s like gymnasium, yoga centre, etc.

The following recreational facilities are available in hostels

- ❖ Reading room with television facility
- ❖ Indoor Gymnasium with complete equipment
- ❖ Common Yoga center provided in Student amenities Building
- ❖ Indoor Sports facilities like Caroms, Chess
- ❖ Outdoor sports facilities like Shuttle badminton, Throw ball courts

* Broadband connectivity / wi-fi facility in hostels.

Wireless Broad band 1MBPS connectivity is provided in each hostel

4.1.7 Does the university offer medical facilities for its students and teaching and non-teaching staff living on campus?

Yes, The following are provided at both the campuses.

- ❖ The campus is provided with a dedicated Dispensary with the following facilities
- ❖ Regular Medical Officer on deputation from directorate of Medical and Health Services, Government of Andhra Pradesh
- ❖ Lady Medical officer on adhoc basis to take care of women staff and students
- ❖ Dedicated Pharmacy facility to issue drugs for essential emergency services
- ❖ Laboratory facility for essential medical investigations
- ❖ Ten bedded Inpatient facilities accommodating emergency services
- ❖ Dedicate ambulance service 24 × 7 with driver in campus to attend during emergencies
- ❖ University approved hospitals to attend specialized requirements

4.1.8 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?

Sports Facilities

- ❖ University has a dedicated sports personal like Physical Education Directors and trainers both for Men and Women
- ❖ University Conduct major all India and South zone sports championships sports sponsored by Sports Council of India like Shuttle badminton, Chess etc.
- ❖ Conduct Inter University and sports and games among affiliated engineering colleges
- ❖ Dedicated Gymnasium with all types of equipment for Physical fitness
- ❖ Indoor wooden court for conduct of Shuttle badminton, Volley ball
- ❖ Outdoor Sporting arena facilities like Basket Ball court, Cricket Pitch, running track, Through ball, Long jump and short put
- ❖ Dedicated sft space with Pyramid available for conducting spiritual activities like meditation and yoga.
- ❖ Dedicated rooms (16 numbers) to accommodate coaches and managers to conduct major events

Cultural Facilities

- ❖ University has a dedicated Cultural coordinator to promote and monitor cultural activities
- ❖ The University has dedicated student clubs to identify, nurture and promote students with cultural skills

Traditional events of improving cultural heritage like Dance, Music, Literary activity of the students

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?

The Library Committee Constitutes

- ❖ Director Academics & Planning
- ❖ Programme Coordinator- Library Science
- ❖ Librarian

The university till recently is using 1500 Sq.m old library building constructed during 70s and presently shifted to 4000 Sq.m, 4 storied newly built University Library building. To improve the facilities the following initiatives were taken by committee to render the library student friendly

- ❖ Ambience with excellent ventilation and lighting
- ❖ Reading space to accommodate more number of students
- ❖ Dedicated Digital Library facility
- ❖ Dedicated Discussion room facility
- ❖ Spacious Lift and Stair case for comfortable access to higher floors
- ❖ Comfortable ramp to facilitate Physically disabled students
- ❖ Ample space to accommodate more books Journals, Titles, Volumes
- ❖ Digitization and Computerization of library in progress

4.2.2 Provide details of the following:

University College of Engineering Kakinada

- ❖ Total area of the library (in Sq. Mts.) 4000 Sq.m
- ❖ Total seating capacity 300

- ❖ Working hours (on working days, on holidays, before examination, during examination, during vacation)

During Working Days 8.00AM to 8.00PM

Weekend and Holidays 9.00Am to 4.00PM

- ❖ Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

Library has the following facilities in respective floors

Floor	Facility	Area (Sq.m)
GF	Entrance Lobby	51.40
	Conference Hall 100 Seater capacity	236.70
	Binding / Store / Xerox room	57.40
	Stacking room	297.10
	D Room	90.09
	Locker Room	20.21
	Toilet Block	42.24
1	Reading Hall	593.10
	Entrance Lobby	51.40
	Programme Directors Room	58.30
	Librarian Room	35.40
	Locker Room	20.20
	Foyer	44.30
	Toilet Block	42.20
2	Student Reading Room	59.00
	Staff Reading Room	59.00
	Office Staff Room	35.40
	Reading Hall	574.40
	Team Study Room	34.40
	Toilet Block	42.24
3	Journal Section	103.80
	Digital Library	118.00
	Reading Hall	457.48
	Locker Room	20.21
	Toilet Block	42.24
4	Staircase	32.00/ floor
	Lift 10 person capacity	5.00
	Ramp	1.50m wide
	Portico	150.00

University College of Engineering Vizianagaram

Floor	Facilities	Area (Sq. m)
GF	E Class Room	78
	Poster Exhibition Hall	139
	Toilets	38
	Lobby	200
1	Digital Library	204

	Stacks and Reading Space	204
	Toilets	38
	Lobby	216
2	Office Room	44
	Librarian Room	13
	Journals Room	78
	Stacks and Reading Space	95
	Conference Room	28
	Copier Room	6
	Lobby	200
3	Stacks and Reading Space-2	375
	Special collection Reading room	35
	Lobby	216
	Reading Space at ramps	207
	Total	2414

4.2.3 Give details of the library holdings:

Sl. No	Details	Kakinada	Vizianagaram
a.	Print (books, back volumes and theses)	50455	22600
b.	Average number of books added during the last three years	1000	1500
c.	Non Print (Microfiche, AV):	Not Available	Not Available
d.	Electronic (e-books, e-journals)	1181 including Pearson Publications	Nil
e.	Special collections (e.g. text books, reference books, standards, patents)	Nil	Nil
f.	Book Banks	2	1
g.	Question Banks	Not Available	Not Available

4.2.4 What tools does the library deploy to provide access to the collection?

Sl. No	Details	Kakinada	Vizianagaram
a.	OPAC	Yes	Yes
b.	Electronic Resource Management package for e-journals	Yes	Nil
c.	Federated searching tools to search articles in multiple databases	Procurment in Progress	Procurment in Progress
d.	Library Website	Yes Updating in progress	Yes Updating in progress

e.	In-house/remote access to e-publications	Yes IP Based	Yes
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4.2.5 To what extent is ICT deployed in the library? Give details with regard to

Sl. No	Details	Kakinada	Vizianagaram
a.	Library Automation	Yes	Under Progress
b.	Total number of computers for general access	10	10
c.	Total numbers of printers for general access	1	1
d.	Internet band width speed 2mbps 10 mbps 1 GB	No. Procurement in progress	No. Procurement in progress
e.	Institutional Repository	Not Availabe	Not Availabe
f.	Content management system for e-learning	Not Avaialble	Not Avaialble
g.	Participation in resource sharing networks/consortia (like INFLIBNET)-	Yes	Yes

4.2.6 Provide details (per month) with regard to

Sl. No	Details	Kakinada	Vizianagaram
a.	Average number of walk-ins	9000	7000
b.	Average number of books issued/returned	3300 / 2700	3000 / 1800
c.	Ratio of library books to students enrolled:	50455/ 3000 = 16.82	22500/ 1800 = 12.50
d.	Average number of books added during the last four years	3000	3500
e.	Average number of login to OPAC	100	Nil
f.	Average number of login to e-resources	1500	Nil
g.	Average number of e-resources downloaded/printed	900/100	Nil
h.	Number of IT (Information Technology) literacy trainings organized	LINCON -2015 on Library Automation, Net Working, E-Resource	Nil

Give details of specialized services provided by the library with regard to

Sl. No	Details	Kakinada	Vizianagaram
a.	Manuscripts	9000	Nil
b.	Reference	Available	Available
c.	Reprography/Scanning	Available In process of development	Available In process of development
d.	Inter-library Loan Service	DelNet membership available	DelNet membership available
e.	Information Deployment and Notification	Available	Available
f.	OPACS	Yes, Available	Yes, in progress
g.	Internet Access	Available, 100 MBPS and upgradation in new library in progress	Available, 100 MBPS and upgradation in new library in progress
h.	Downloads	Yes	Yes
i.	Printouts	Yes	Yes
j.	Reading list/ Bibliography compilation	Yes	Yes
k.	In-house/remote access to e-resources	Yes	Yes
l.	User Orientation	Yes	Yes
m.	Assistance in searching Databases	Yes one outsourced staff	Yes one outsourced staff
m.	INFLIBNET	Yes	Yes
o.	IUC facilities	In pipeline	In pipeline

4.2.7 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

Sl. No	Details	Kakinada	Vizianagaram
a.	Annual Library Budget	Rs. 1.00 Cr Books, E books, E journals, Furniture, Computers, Printers, Print Journals	Rs. 70 Lakhs Books, E books, E journals, Furniture, Computers, Printers, Print Journals

b.	Amount Spent for procuring New Books	Rs. 20 Lakhs	Rs. 15 Lakhs
c.	Amount spent on procuring Journals	Rs. 10 Lakhs	Nil

4.2.8 What initiatives has the university taken to make the library a 'happening place' on campus?

- ❖ Construction of New Library Building worth 5.3 Crores
- ❖ Positionally located at prominent place in the campus
- ❖ Providing all facilities which are require for a modern library
- ❖ Good Ventilation, Light adopting green building concept
- ❖ Elegant interiors with open to roof mezzanine floor for aesthetics
- ❖ Spacious rooms with huge and comfortable seating space and discussion rooms
- ❖ Improve digital library and on line journal facilities
- ❖ Appealing frontage with garden and lawns in process of development
- ❖ Organized entry and exit to library building with dedicated parking facilities
- ❖ Comfortable ramp to access to physically disabled students upto ground floor and to avail lift to reach subsequent floors

4.2.9 What are the strategies used by the library to collect feedback from its users?

How is the feedback analysed and used for the improvement of the library services?

- ❖ Student feedback form is prepared for identification of deficiencies
- ❖ Suggestions for improvement of the library facilities are collected by Questioners.
- ❖ The qualitative assessment of the performance is carried out once in semester
- ❖ The suggestions by the stake holders is analyzed by library committee
- ❖ Based on the consolidation of recommendations the suggestions which are rational will be incorporated
- ❖ Student members are also included in library development committees.

4.2.11 List the efforts made towards the infrastructural development of the library in the last four years.

The university till recently, is using 1500 sft old library building constructed during 70s and presently shifted to 4000Sq.m 4 storied newly built University Library building.. To

improve the facilities the following initiatives were taken by committee to render the library student friendly

- ❖ Ambience with excellent ventilation and lighting
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- ❖ Ample space to accommodate more books Journals, Titles, Volumes
- ❖ Digitization and Computerization of library in progress

4.3 IT Infrastructure

4.3.1 Does the university have a comprehensive IT policy with regard to

- IT Service Management : Available
- Information Security : Available
- Network Security : Available
- Risk Management : Partially Available
- Software Asset Management : Available
- Open Source Resources : Available
- Green Computing : In Pipeline

4.3.2 Give details of the university's computing facilities i.e., hardware and software.

- Number of systems with individual configurations : 1200, i3 / i5 / i7 / dual / Quadcore systems
- Computer-student ratio : 1:15
- Dedicated computing facilities : Available
- LAN facility : Yes
- Proprietary software : Yes
- Number of nodes/ computers with internet facility : 700
- Any other (please specify) : RAID Controlled RACK based servers

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

During TEQIP I campus wide networking facilities had been provided by connecting all academic and administrative and hostel buildings with optical fibre. 24 X7 Internet centre facility has been established. All the department computer centers have been upgraded and dedicated computers were issued to the faculty with networking facility as well as accessories like printer etc.

The facilities developed in Phase I of TEQIP are upgraded from TEQIP II grants / UDF to convert the campus in fully WIFI enabled along with plans to provide all advanced information security, Network security and risk management facilities.

4.3.4 Give details on access to on-line teaching and learning resources and other knowledge and information database / packages provided to the staff and students for quality teaching, learning and research.

NPTEL, INDEST facility is provided in the campus leading to access to faculty to utilize and update the developments in respective areas leading to quality teaching by teachers and learning by students and research facilities.

4.3.5 What are the new technologies deployed by the university in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?

University initiated Massive Open Online Courses (MOOCS) in the curriculum and Flipped Class room concept, interacting and utilizing services of experts in higher learning institutes in India and Abroad. The technology is also transferred to all affiliated engineering colleges so as to avail the facility developed by University.

4.3.6 What are the IT facilities available to individual teachers for effective teaching and quality research?

Every teacher is equipped with dedicated Computer, printer with networking facility. Every class room is enabled with Projectors and the staff can comfortably avail ICT enabled services like PPT and Animation to improve quality leading to effective teaching and quality research.

4.3.7 Give details of ICT-enabled classrooms/learning spaces available within the university? How are they utilized for enhancing the quality of teaching and learning?

Every teacher is equipped with dedicated Computer, printer with networking facility. Every class room is enabled with LCD Projectors and the staff can comfortably avail ICT enabled services like PPT and Animation to improve quality leading to effective teaching and quality research. The staff can avail 300 seater auditorium with advanced projecting and other miscellaneous facilities.

4.3.8 How are the faculty assisted in preparing computer- aided teaching-learning materials? What are the facilities available in the university for such initiatives?

The faculty was encouraged in adopting advanced teaching aids with e- class room facilities.

4.3.9 How are the computers and their accessories maintained?

The equipment procured in the University are supported by service warranty by Annual Maintenance Contract as per the purchase procedures made mandatory and maintained periodically for any requirement.

4.3.10 Does the university avail of the National Knowledge Network connectivity? If so, what are the services availed of?

Yes. NMEICT facilities are availed by the university

4.3.11 Does the university avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

Yes. The procedure for adopting in University Central Library is in progress.

4.3.12 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the university.

There is no specific restriction for purchase, upgradation and Maintenance of all computers in the university and met from \University development grants as and when the necessity arises.

4.3.13 What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?

The University has already adopting online examination with networking facility connecting 260 affiliated engineering colleges. The facilities are also utilized effectively for transferring teaching learning from closed university information network

4.4 Maintenance of Campus Facilities

4.4.1 Does the university have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Yes

- ❖ University has dedicated Engineering department headed by the Director Infrastructure Development and Chief Engineer supported by 1 Project Engineer (Electrical) 3 Deputy Executive Engineers, 3 Assistant Executive Engineer, 10 Work Supervisors.
- ❖ University has Maintenance department headed by Deputy Executive Engineer with Pump Operators, Work Inspectors, Plumber to take care of day today maintenance works in Hostels and department buildings.
- ❖ University has Garden department monitored by Horticulturist supported by 12 gardening staff to maintain gardens in Administrative, Academic and Hostel areas of the campus

Mention a few campus specific initiatives undertaken to improve the physical ambience.

- ❖ All the buildings in the campus are periodically maintained
- ❖ The buildings are painted once in 3 years
- ❖ The ambiances of the premises of academic buildings are improved by providing gardening
- ❖ The shrubs in the 86 Acre campus are periodically cleared
- ❖ The old dilapidated buildings are progressively removed from time to time
- ❖ Where ever required the toe walls are constructed to demark the width of the roads to enhance aesthetics
- ❖ Oxygen breathing plants are planted in campus to improve health of the occupants
- ❖ Traffic regulations are imposed to maintain discipline in the campus
- ❖ The NSS unit of the campus is motivated to take up plantation and removal of plastic waste in the campus periodically
- ❖ Electrification in the campus improved with periodical maintenance and effective monitoring

- ❖ Proposals submitted for Implementation of rainwater harvesting and improving the campus drainage facilities.
- ❖ Plantation is taken up in campus at important places as well as near the academic buildings to improve the ambience and greenary in the campuses.

4.4.2 How are the infrastructure facilities, services and equipments maintained? Give details.

- ❖ Overhead water tanks on all the buildings in the campus are cleaned and record is maintained
- ❖ The choked outlets of buildings are cleared of vegetation ensuring free flow of rain water. The damaged pipes are replaced periodically.
- ❖ New garden equipment like Lawn cutters, Trunk Cutters, Shrub cleaners as well as snake catchers are procured for effective cleaning.
- ❖ The CC Cameras are placed at prominent locations to control functioning of the staff as well as thefts and other issues

Any other information regarding Infrastructure and Learning Resources which the university would like to include.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the university have a system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes. Each Department in the University designates a committee comprising the Head of the concerned Department and the faculty members. Each faculty member as a mentor takes care of problems relating to academics or otherwise at a personal level and monitors their academic progress. Students Grievance cell is also in function at the University level.

a) Implementation of the Mentoring System

Each mentor will be allotted a maximum of 5 PG students and 15 UG students. The mentees will be attached to the same mentor for the entire course of study. The mentors shall update the mentee's parents about the progress of the mentees. If a student violates the code of conduct, his/her mentor shall be a member in the Disciplinary Committee.

b) Academic matters

The mentors shall also attend to the academic matters of mentees dealing with previous academic performance, internal assessment marks, and semester results and coaching for backlog subjects.

c) Other areas of care

The mentors shall also look into the following areas with regard to their mentees:

- ❖ Overall behavioural and discipline matters
- ❖ Physical health and psychological disturbances
- ❖ Preparation for competitive examinations and campus placements
- ❖ Co- curricular and Extra-curricular achievements

d) Academics

In the review meetings, immediately after the Internal Assessment tests and the semester results, the mentor shall appreciate the mentees who have performed well. The mentor shall interact with the mentees who have not performed well in examinations and advice them to improve.

e) Care and Counselling

The mentor during the periodic review meeting will counsel the students. The well performed students will be appreciated and others will be properly counselled accordingly.

f) Personality Development

The mentees are encouraged to develop and channelize his/her skills and talents through an appropriate forum or activity of the University. Mentees are advised to attend the periodical Campus Recruitment Training (CRT) programs conducted by the institution.

g) SAC (Student Activity Centre)

A good numbers of students actively participate in various clubs in the University. These clubs are maintained by the students and a separate Program Director is looking after all these activities. These clubs are being headed by the Student Presidents.

List of Clubs and their Presidents

Sl.No.	Name of the Club	Student Presidents
1	Media Club	J. Sri Krishna
2	Science and Innovation Club	R. Naga Rama Rao
3	Arts and Literature Club	Vinod Kalapala
4	Media Club	Subash KC
5	Rotaract club of JNTUK	Kannan Thiyagarajah
6	LEO Club	Abhinay Jatoth

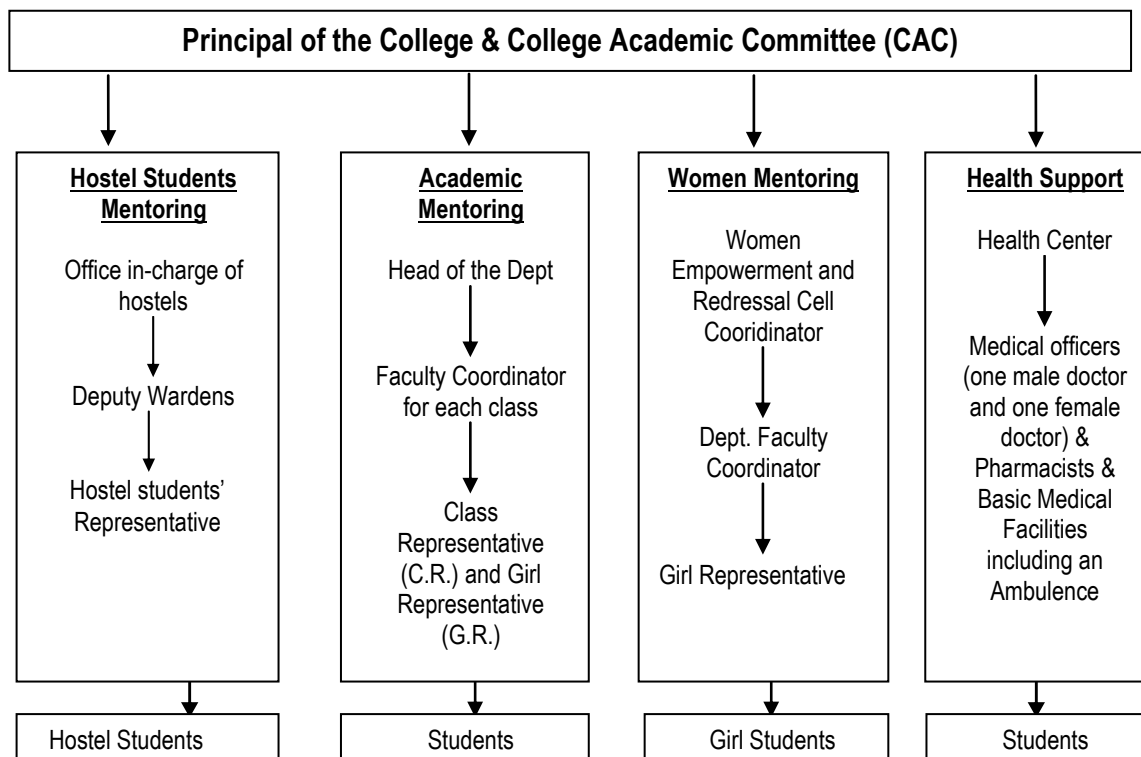
h) Functional Characteristics

- Promote literary works, poetry, articles, essay writing.
- Conduct different programs like cross-cultural language learning (Swedish, French, Spanish, German, etc.), painting, caricature, drama, meditation, yoga practice and karate.
- Establishment of Model United Nations (MUN)
- Undertake projects and research tasks with innovative ideas.

Advice and support from mentors are among the most important factors in determining the success of students. Faculty advisors assist students in choosing course work that meets their needs and interests without unnecessarily extending their programs. They also encourage students to move on to seminars and laboratory work that will lead to dissertation topics.

A student support system and mentoring mechanism as depicted in the following chart is in operation.

Chart: Student Support and Mentoring Structure



5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

Several mentoring provisions are available for the students apart from the regular academic activities.

- ❖ Online Educational videos, library resources, web-resources are made available for the benefit of the students.
- ❖ Students are encouraged to present seminars in the classroom and motivated to attend conferences, workshops, symposia conducted in the institution and other reputed institutions.
- ❖ Faculty members are available in the faculty rooms from 4.00 p.m. to 6.00 p.m. for academic mentoring and clarification of subject doubts.
- ❖ Blogs / discussions forum are created by faculty members and students to facilitate online mentoring.
- ❖ Students are provided with facilities to develop soft skills, language skills.
- ❖ Remedial and special classes are conducted for the needy in the evening hours without disturbing the normal working hours.

- ❖ Students are advised to actively participate in invited lectures, seminars, symposiums, workshops and conferences.
- ❖ Students are encouraged to become members in the various professional bodies such as IEEE, CSI, IETE, IGS, IEI etc.

5.1.3 Does the university have any personal enhancement and development schemes such as career counselling, soft skill development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

The University Campuses have taken several measures to train the students in the various skills apart from the classroom content as follows:

- ❖ Soft Skill and Awareness Program
- ❖ Psychometric Assessment
- ❖ Industry Expectation (to bridge the Gap between Industry and Academy) through Incubation Centres and Skill Development Centre
- ❖ Communication Skills
- ❖ Aptitude Training and Personality Development
- ❖ HR Interview Skills & Group Discussions
- ❖ Use of e-Content

The University has separate cells such as Placement Cell, Industry-Institute Interaction Directorate, e-Content Development and Deployment Directorate, etc., for career counselling, guidance, and placements. They work round the year to provide efficient, effective training and employment opportunities for all students.

- ❖ Placement & Training programmes
- ❖ Campus Recruitment Training classes,
- ❖ Soft skills classes,
- ❖ Leadership skill classes,
- ❖ Communication training

Language laboratory practice classes are held for the students. Campus recruitment training classes are conducted by inviting eminent experts from industry and reputed organisations every year for improving Soft skills, Personality and Leadership qualities of the students. GATE coaching classes are also conducted for the benefit of the students.

Training programmes by TCS are also arranged for improvement of soft skill, career path identification.

5.1.4 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes, the institute facilitates the students to get the state government scholarships. The university campuses assist students to obtain educational loans from banks. Special counters are arranged during the single window counselling so that the loans are provisionally sanctioned on the spot during admission.

Some of the banks which are providing educational loans to our students are, State Bank of India, Corporation Bank, Andhra Bank, Canara Bank, Syndicate Bank, ICICI etc.

The University Campuses are extending the help to the students in getting the scholarships in various ways.

Issues the certificates mentioning the details of the student, expenditure towards academic fees and hostel fees.

Scholarships are sponsored by UGC to the students qualified in GATE and data will be uploaded to the concerned web portal.

TEQIP-II funds are utilized for providing scholarships to PGECET qualified students and for regular Ph.D. students.

UG students belonging to economically weaker sections are facilitated with *Fee Reimbursement by the State Government*.

5.1.5 Does the university publish its updated prospectus and handbook annually? If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?

The University provides Handbook to all the UG and PG students containing Academic Regulations, Courses of Study, Attendance Requirements, detailed syllabi, malpractices rules, Ragging Act etc. Convocation proceedings will be released for every academic year to give the entire achievements of the university.

From time to time, all university activities related to the students are notified in the university website www.jntuk.edu.in and the website highlights the following:

- ❖ Campus Details
- ❖ University Administration

- ❖ Schools and Departments
- ❖ Admission requirements & selection procedure
- ❖ Academic Programs
- ❖ Academic Calendar
- ❖ Central Library & Information Support Service
- ❖ Research & Development
- ❖ Training Programs & Placement Activities
- ❖ Examinations Time Tables
- ❖ Centre for E-governance
- ❖ Important Telephone Numbers
- ❖ Sports, Games, NSS and NCC
- ❖ Notification of Conferences, seminars, workshops etc

5.1.6 Specify the type and number of university scholarships / freeships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG/PG/M.Phil/Ph.D./ Diploma/others (please specify).

The University supports needy students and the scholarships are given on time.

Financial Support for PG Students of UCEK

Sl.No	Year	Financial Support From Institution	
		No. Of Students	Amount (Rs)
1	2010-2011	24	37,722
2	2011-2012	24	37,722
3	2012-2013	26	47637
4	2013-2014	22	49,748
5	2014-2015	68	4,13,655

5.1.7 What percentage of students receive financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?

The University assists the students in receiving financial assistance from the state government and central government in various ways. The University Campuses will assist the students in procuring the financial assistance in respect of EBC, BC, Minority and SC/ST etc., welfare scholarships.

Percentage of Students of UCEK getting financial assistance

S. No.	Year	Financial support from Government		% of students
		Number of students	Amount Rs.	
1	2010-11	430	2,26,24,375	23.52
2	2011-12	500	1,71,78,254	23.95
3	2012-13	602	1,65,43,101	27.72
4	2013-14	533	1,41,83,683	24.15
5	2014-15	640	1,39,54,133	28.29

Percentage of Students of UCEV getting financial assistance

S. No.	Year	Financial support from Government		% of students
		Number of students	Amount Rs.	
1	2010-11	636	1,17,26,253/-	54.3
2	2011-12	654	1,03,82,100/-	53.5
3	2012-13	717	1,31,76,796/-	56.3
4	2013-14	774	1,30,68,283/-	56.5
5	2014-15	779	1,40,03,362/-	54.55

Percentage of Students of IST getting financial assistance

S. No.	Year	Financial support from Government		% of students
		Number of students	Amount Rs.	
1	2011-12	56	44,74,800	39.7
2	2012-13	112	83,64,500	36.8
3	2013-14	126	87,92,500	38.3
4	2014-15	140	71,67,500	41.1

5.1.8 Does the university have an International Student Cell to attract foreign students and cater to their needs?

1. Yes, the University has separate cell for foreign students under the title “Directorate of Foreign University Relations” and the main activity of this directorate is to look after the admissions of NRI, PIO and Foreign Nationals, Collaborations with International Universities/Institutions, student welfare activities and academic matters.

- ❖ The directorate looks after the admissions of foreign students by conducting counselling drives in the campus and percolate the information to other foreign

students of various countries. The University deputed the faculty to foreign countries to promote and attract the admission of foreign students.

- ❖ The directorate looks after affairs of the foreign students during their stay in the university campus which includes their hostel accommodation, visa related activities, coordination with foreign universities for dual degree programmes.
- ❖ Annual meet of all foreign students studying in the university will be conducted as International Day on 1st January.

Collaborations

Sl.No.	JNTUK MOUs with Foreign Universities/Institutions
1	Asian Institute of Technology -Bangkok, Thailand
2	Blekinge Institute of Technology – Sweden
3	U.S. Flight Academy (USFA) USA
4	University of Highlands and Islands Perth – Scotland, UK
5	Central Michigan University MT Peasant, Michigan, USA
6	EdCIL (India) Limited (A Government of India Enterprise) EdCIL House, 18A, Sector -16A, NOIDA, India

5.1.9 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes, the university assists students to obtain educational loans from banks. Special counters are arranged during the single window counselling so that the loans are provisionally sanctioned on the spot during admission. The banks provide educational loans to our students. University constituent colleges/units provides the loan estimation certificates mentioning the details of the student, expenditure towards tuition fees, books and hostel fees and travel expenditure (students of collaborative programs) in order to secure loans from the banks and other financial institutions.

5.1.10 What types of support services are available for

1. Overseas Students :

- a) The university has separate directorate for foreign affairs to look after the admissions of foreign students by conducting counselling drives at various countries.
- b) The directorate looks after affairs of the foreign students during their stay in the university campus which includes their hostel accommodation, visa related activities, coordination with foreign universities for dual degree programmes.

- c) Annual meet of all foreign students studying in the university will be conducted regularly.
- d) The boarding and lodging facilities are made as per the requirement of the student. Food will be provided according to their culture and life, wherever it is possible.
- e) The various facilities like internet, TV, sports are also made available for their comfortable stay.

2. Physically challenged differently-abled students :

- a) The boarding and lodging facilities are made as per the requirement of the student especially they have been accommodated in the ground floor and facilitated to serve food in their rooms by the mess staff if required. (Optional).
- b) Provision for providing lifts is available in most of the new and old buildings for enabling them to reach higher floors easily.
- c) Ramps are available in all the buildings for comfortable movement.
- d) Specialized powered two wheeler suitable for riding is provided for orthopedically challenged student.
- e) Wheel chairs are available in the floors of the academic block where ever they are required.
- f) Relaxation in pass percentage is provided in the guidelines and the same is extended to all such students.
- g) Relaxation in examination fees is provided in the guidelines and the same is extended to all such students.
- h) Scribe will be arranged whenever it is necessary

3. SC /ST/OBC and economically weaker section:

- a) Students are facilitated to avail scholarships and financial assistance from Government (State & Central)
- b) These students who are not getting the aid from the Government are facilitated to avail the loans from various banks.
- c) Some of the students are also getting merit scholarships from Public/Private Sector establishments.
- d) Fee reimbursement scheme is in implementation for all weaker section and economically backward students, by the state government.

4. Students participating in various competitions/conferences in India and abroad:

- a) Students are encouraged to participate in the national conferences, seminars, workshops, symposium conducted by the University constituent colleges/units and various other premier and reputed institutions like IITs, NITs, IIITs, etc.
- b) Students are encouraged to participate in design, quizzes, elocution, paper presentation competitions conducted by the prestigious organisations.
- c) Students are provided the concessional train travel forms for attending to the conferences, workshops etc.

5. Health care and Insurance etc.:

- a) A dispensary is available on campus.
- b) One male and one female medical officer and other supporting health care professional staff are available.
- c) In addition, Specialists are invited frequently to create awareness among the staff and students.
- d) The medical staff attends to emergency cases round the clock and separate accommodation is provided in the staff quarters.

6. Skill Development (Computational Skills, Communication Skills, Personality Development):

- a) Classes are conducted for the students to improve their communication skills.
- b) Computer training facility is provided to all the students in the curriculum.
- c) A 24x7 centralized computer centre is made available to all the students.
- d) Internet facility is provided in all the hostels and departments.
- e) The campus is Wi-Fi enabled.
- f) Campus Recruitment Training (CRT) programs are conducted periodically by the institution.
- g) Prototype models are designed and fabricated by the students in the institution.

7. Performance enhancement for slow learners:

- a) Special coaching classes and remedial classes are conducted to enhance the performance of the slow learners.

- b) Mentor / Class Advisors motivate the slow learners and provide additional support to enhance their day to day study outside the working hours.
- c) Faculty handle extra classes for such students during leisure periods, after the class work hours, and at times on holidays.

8. Exposure of students to other institutions of higher learning/corporate/ business houses etc.:

- a) Students are encouraged to participate in the national conferences, seminars, workshops, symposium conducted by various other premier and reputed institutions like IITs, NITs, IIITs, etc and interact with the experts to gain knowledge. They are advised to visit the various laboratories and facilities available at these premier institutions and learn to the possible extent.
- b) Students are encouraged to participate actively in various events and competitions conducted by the prestigious organisations and interact with the experts.
- c) Visit to various industries, companies, organizations during the semester and semester break are arranged by the institution.
- d) Students are allowed to pursue UG/PG project works in the reputed industries and some of the students are getting internships.

9. Publication of student magazine:

‘E-SPECTRO’ - A student monthly magazine by ECE department, UCEV, JNTUK for encouraging the students to write the articles related to the latest tech-gadgets and other tools.

5.1.11 Does the university provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defense Services, NET/SET and any other competitive examinations? If yes, what is the outcome?

Yes, Students are encouraged to write competitive exams. Equal Opportunity Cell of the university regularly conducts GATE coaching classes department wise by the internal and external experts. Quizzes are conducted as a part of academic curriculum to prepare the students for competitive examinations.

Coaching to the students for various Competitive examinations

Sl No.	Year	Training provided	
		AP GENCO	GATE
1	2011-2012	82	-
2	2013-2014	-	220
3	2014-2015	-	251

5.1.12 Mention the policies of the university for enhancing student participation in sports and extracurricular activities through strategies / schemes such as

Additional academic support and academic flexibility in examinations:

University Sport Council, Intercollegiate Council, Physical Education Cell and NSS/NCC wing in the constituent colleges promotes and encourages the students to get actively involved in the extracurricular and co-curricular activities, like sports, games, Quiz competitions, debate and discussions, cultural activities and social service activities etc. , For enhancement of student's participation in sports, social service activities and cultural activities, free coaching camps are organized by the University. The University also organizes Inter College Meet and host Inter University Sports and Cultural Meet and encourages the students to participate in National and International events.

Special dietary requirements, sports uniform and materials:

Special dietary food is arranged by the constituent colleges for the participating students. Sports suits, uniforms for NSS/NCC volunteers are also provided from the constituent colleges for the participating students. Sport materials and accessories are provided throughout the year like football, net, basket balls, cricket bats, cricket balls, NSS kits etc.

The Physical Education wing and NSS/NCC wing promotes healthy lifestyle choices through participation opportunities, educational experiences and support services. Sports and service activities are designed for active participation of students with a wide range of interests to enhance their abilities and endurance.

5.1.13 Does the university have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?

Yes. The institution has a very well organized training and placement cell to support the

students for their career development. Many reputed software companies, other core sector companies like TCS, CTS, Infosys, Wipro, Indian Navy, ITC Food etc. regularly visit and conduct campus recruitment

Training initiatives have been taken by the training and placement cell to develop the skills required to get a good employment in a reputed organization. University Entrepreneurship Development Cell conducts programmes by inviting experts from the government organizations and entrepreneurs of various industries.

5.1.14 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

Details of campus selections in JNTUK Kakinada Campus

Sl. No.	year	ORGANISATIONS VISITED	PG	MCA	ECE	EEE	CSE	MECH	CIVIL	PCE&PE	Total
1	2010-11	16	95	8	40	41	42	38	36	-	300
2	2011-12	13	104	18	44	41	40	37	37	-	321
3	2012-13	12	82	11	31	33	33	31	22	14	257
4	2013-14	15	42	2	41	33	44	41	29	20	252
5	2014-15	18	106	8	45	48	57	59	35	53	411

Details of campus selections in JNTUK Vizianagaram Campus

S. No.	Year	<i>On campus</i>			<i>Off Campus</i>
		Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
1	2010-11	9	224	90	24
2	2011-12	4	220	20	--
3	2012-13	2	260	32	--
4	2013-14	5	240	45	--
5	2014-15	15	260	106	--

Details of campus selections in JNTUK IST

S. No.	Year	<i>Name of the company</i>			
		Cyient	Infosys	TCS	Cap Gemini
1	2012-13	5	-	1	1
2	2013-14	4	1	-	-
3	2014-15	5	-	9	-

The following companies visited the campus for recruitment drive and selected a good number of students of both the campuses of JNTUK i.e. Kakinada campus and Vizianagaram campus.

S.No	Company Name	2010-11	2011-12	2012-13	2013-14	2014-15
1.	Abhir-Infrastructure	6	-	-	-	-
2.	Accenture	-	-	-	-	57
3.	Aurbindo	-	-	-	-	2
4.	BGL	9	-	-	-	-
5.	BSCPL	4	3	3	-	-
6.	Cap-Gemini	12	14	22	15	28
7.	CMC	1	7	-	-	-
8.	CSC	5	-	-	-	-
9.	CA-Technologies	-	-	2	-	-
10.	Cairn India	-	-	-	-	1
11.	DST	-	3	-	9	-
12.	DSTK	-	2	-	-	-
13.	Deccan	-	2	-	2	-
14.	GSPC	-	-	-	4	4
15.	GVK	-	4	3	-	-
16.	Honeywell	22	-	-	-	-
17.	Infotech	17	7	33	7	-
18.	ITC	1	1	-	2	1
19.	Infosys	-	-	-	41	-
20.	IBM	-	-	-	-	2
21.	IVY-Comtech	-	-	-	-	3
22.	JUNO	5	-	3	2	-
23.	Kalyani Steels	1	-	-	-	-
24.	L&T	8	-	14	7	-
25.	Medha	-	2	3	-	-
26.	Mphasis	1	-	-	-	-
27.	Microsoft	-	1	-	-	-
28.	MU-Sigma	-	-	-	-	3
29.	NCC	4	-	-	-	-
30.	Nendrasys	-	-	-	-	2
31.	NFCL	-	-	11	-	-
32.	Osmosis	-	-	-	-	8
33.	Oracle	-	-	-	3	-
34.	Orient-Cement	-	-	3	-	-
35.	Piramid	1	-	-	-	-
36.	Piramid-IT	1	-	-	-	-
37.	Pennar	-	10	-	-	-
38.	Purohithika	-	-	37	-	-
39.	Pragathi	-	-	-	1	-
40.	SKV	-	-	21	-	-
41.	TCS	174	188	123	137	212
42.	Tech Mahindra	79	-	14	24	27
43.	TCS-Accenture	-	-	-	-	62
44.	Tech-M	-	-	-	-	3
45.	Tech-M,Accenture	-	-	-	-	5
46.	Thermal systems	-	-	-	-	3
47.	Uurmi	-	-	5	2	2
48.	Uttamjalva	-	-	-	5	--
49.	Vnjilloyd	-	6	-	-	-
50.	Wipro	29	70	-	-	-
51.	Syntel	-	5	-	-	-
52.	J.K.Papers	-	3	-	-	-
53.	Efftronics	-	-	02	-	-

54.	Neelsys	-	-	-	06	-
55.	L&T Infotech	-	-	-	03	-
56.	Dankuni Steels	-	-	-	-	2
57.	Mindtree	-	-	-	-	1
58.	Cognizant Technology Solutions (CTS)	-	-	-	-	1
59.	Anjaney Alloys Ltd.,	-	-	-	-	3
60.	Cheggindia Pvt. Ltd.	-	-	-	-	3
61.	Miracle software systems	-	-	-	-	3
62.	Glen Wood	-	-	-	-	2
63.	Pratian Technologies	-	-	-	-	3
64.	Grey campus	-	-	-	-	3
65.	MPHASIS & An HP COMPANY	1	-	-	-	-
66.	Broadcom Corporation	-	-	-	-	5
67.	FACE (Focus Academy For Career Enhancement)	-	-	-	-	2
68.	Apple Tonco Services Ltd.	-	-	-	-	1
69.	Maxit Global Solutions Pvt Ltd.	-	-	-	-	1
70.	Mindtree Ltd.	-	-	-	-	1

5.1.15 Does the university have a registered Alumni Association? If yes, what are its activities and contributions to the development of the university?

Yes, Annual General Body Meeting-cum-Family get-together of ECOSAK (Engineering College Old Students Association Kakinada) is regularly conducted on First Sunday of January in every year in Alumni Auditorium, JNTU Kakinada campus. The Alumni (within and outside the country), Regular Teaching staffs of the College will attend the function along with Family members. ECOSAK felicitate the distinguished alumni in recognition of their services to society, to the college and for their achievements.

ECOSAK Local Centres are functioning in the cities like Hyderabad, Visakapatnam, Vijayawada, Bengaluru, Chennai. ECOSAK–USA Local chapter is initiated by entrusting the responsibility of networking all the alumni in USA and bring them on ECOSAK platform and conduct annual meets in USA.

Donations by the alumni are utilized for developing infrastructure

- ❖ Alumni of CEK has funded and constructed Sports Complex.
- ❖ 1979-83 Alumni batch of UCEK has funded and constructed an auditorium of 300 capacities.
- ❖ Swarnothsav Bhavan was constructed with the funds of alumni in the year 1996.

The following resolutions are being implemented for effective functioning of ECOSAK, The office bearers of the ECOSAK for the current year are given below.

Details of Office Bearers of ECOSAK

President Dr. P. Udaya Baskar	President Dr. B.V. Ramana
Ex-Officio President Dr. V. Ramachandra Raju	Vice-Presidents 1. Dr. J.V.R. Murthy, 2. Commander N. Sappata
General Secretary Dr. P. Subba Rao	Joint Secretary Er. K. Jyothi Raju
Treasurer Dr. A. Swarna Kumari	
Executive Committee Members	

5.1.16 Does the university have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

- ❖ A grievance cell in the University redress the complaints/suggestions from students, faculty and staff based on submission of complaints & feedback through online and drop boxes at the departments. The Grievances / Suggestions / feedback are redressed by committees.
- ❖ A Centre for Empowerment of Women and Grievances headed by the Director in the University looks after the welfare of the Women Employees/Students.
- ❖ University has a separate “Equal Opportunity Cell” headed by a Coordinator to help the students, faculty and staff.
- ❖ A SC/ST Cell headed by a Coordinator in the university looks after the welfare of the students, faculty and staff of Scheduled Castes/Scheduled Tribes.

5.1.17 Does the university promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details

Yes. The University has a separate Directorate looking after Women Empowerment and Grievances and also an Equal Opportunity Cell headed by Coordinator. The University conducts several motivation programs for women and the list of such programs organized is listed below.

List of Programs conducted for Women Empowerment

S.No	Name of the Programme	Program Date	Guest Speakers	Venue
1	Women in Nation Building	19 th Nov-2008	MS. Sudepta Sen Smt. Y. Savitramma Smt. M. Bharatha Lakshmi	Gallery Hall, ECE Department

			Dr. K. Raja Rajeswari	
2	International Women's Day celebrations	8 th Mar-2009	Dr. M. Surya Kumari Smt. E. Lakshmi Prasad	JNTUK
3	Research Initiatives for Women (DST)	10 th & 11 th July - 2009	Dr.H.B.Singh	University Lawns
4	Teacher's Day celebrations	1 st Oct-2009	Director	JNTUK
5	120 th Birthday Celebrations of Pundit <i>Jawaharlal Nehru</i>	14 th Nov – 2009	Sri K. Ramamurthy Naidu	College Auditorium
6	Women Empowerment(CEOW)	24 th Jan – 2010	Dr.A.Vijayalakshmi Dr. Satyanarayana Smt. Bhagyalakshmi Sri. P.V. Trinadh Sri. Bhanu Murthy	JNTUK Auditorium
7	Women Scientist Sensitization Prog (DST)	9 th & 10 th Feb – 2010	Dr.H.B.Singh	University Lawns
8	Eluru Prog (W.G. Dist Principal's meet)	25 th Feb – 2010	Director	Eluru
9	International Women's Day celebrations	8 th Mar - 2010	Smt K.Rajya Lakshmi Smt. K. Sarala Dr.Smt Aluri Vijaya Lakshmi	JNTUK Auditorium
10	Bio Technology-Excitement & Relevance	9 th & 10 th Apr -2010	Dr.Manju Sharma	Civil A/C conference Hall
11	Guntur Program	25 th June - 2010	Director	Guntur
12	Entrepreneurship Awareness Camp	7 th July- 2010	Smt.D.Jhansi Lakshmi	E. C. E. Gallery Hall
13	101 st Birthday celebrations of Dr(Smt) Durgabai Deshmukh	15 th July- 2010	Smt. L. Seshu Kumari Smt. Nandhula. Suseeladevi	E. C. E. Gallery Hall
14	University Annual Day Celebrations –Rights Day	17 th Aug - 2010	Smt.V. Sandhya Rani Dr. R. Venkata Rao	University Lawns
15	National seminar on “Women Empowerment through Self Help Groups in India”	31 st Aug- 2010	Director	Andhra University, Visakhapatnam
15	WOS-A Press meet(14 selected women scientists)	26 th Sep- 2010	Dr.Rashmi Bansal	New VC 's conference Hall
16	Vijayawada Prog- Managements of Krishna , Prakasam, &Guntur Districts	30 th Sep- 2010	Director	Vijayawada
17	Awaking young India Series 'A seminar on “Social Reforms”	1 st Oct - 2010	Director	University Lawns
18	Pustak Avishkaran	17 th Oct- 2010	Dr. M. M. Pallam Raju	JNTUK
20	Young Scientist scheme	23 rd Oct- 2010	Sri S. Sudershan Rao	University Laws
21	Intellectual Property Management	29 th Oct- 2010	Dr. A. Lakshminath	Chennai

22	Conference on National Education Day	11 th NOV-2010	Prof. Koneru Ramakrishna Rao	JNTUK Lawns
23	Women in Research	26 th Nov-2010	Prof. Y.Vijaya Lata Dr.B. Padmaja Rani	Held at UGC Academic staff college,Hyderabad
24	Sweden Prog	8 th to 10 Dec -2010		Sweden
25	Current Socio-religious milieu in Global and Indian context-150 th Birth year celebrations of Rabindranath Tagore Prog.	28 th Dec-2010	Dr.Sumanta Neogi Sri Dantu Surya Rao Sri Subas Kumar De., Dr B. Raja Ram Dr T. Rajya Lakshmi	New Senate Hall, JNTUK
25	<i>“Women make the earth lively and likable”</i> – International women’s day celebrations	8 th Mar-2011	Smt. Sujata Burla Smt. K. Lakshmi Satya Prasad Smt. M. Padmavathi Ravi Chandra	New Alumni Auditorium, JNTUK
26	Women empowerment thro’ awareness of health, hygiene & nutrition’	26 th April -2011	Dr. Aluri Vijaya Lakshmi Dr. S. Jagadeeswari	New Alumni Auditorium. JNTUK
27	A meeting with women scientists & their mentors to discuss promotion of <i>“Women Scientist Scheme”</i> (Under DST, New Delhi)	26 th June -2011	Dr. K. RajaRajeswari Prof in ECE Dept., AndhraUniversity (SEC Member, DST, New Delhi)	VC – Conference Hall, JNTUK
28	Practices of Patenting and Intellectual Property Rights	16 th Aug-2011	Prof. A.Lakshminath Dr.Gaurav Sharma	New Senate Hall, JNTUK
29	Women Scientist Sensitization programme	17 th &18 th Aug-2011	Dr. H. B. Singh Prof. S. B. Rao Prof. V.K. Bhasin Prof. A. K. Bhatnagar Prof. K. Raja Rajeswari	New Senate Hall, JNTUK
30	Viswavidyalaya Varshika Saptaham Celebrations - Women’s Day	17 th Aug-2011	Shri Mandali Buddha Prasad Dr. Aluri Vijaya Lakshmi, Smt. Rajya Lakshmi	New Alumni Auditorium, JNTUK
31	Awareness of Breast Cancer Programme	04 th Nov-2011	Dr. Ramana Rao	Senate Hall, JNTUK
32	AP-GENCo & AP-Transco – Special coaching programme	06 th to 20 th Jan 2012	Director	EEE Dept., Mech Dept., Civil Dept UCEK, JNTUK
33	Role of Women in the Development of Society - Women’s day celebrations	12 th Mar 2012	Dr. P.Chiranjeevini Kumari Dr. Aluri Vijaya Lakshmi Smt. L.Seshu Kumari Brahmakumari Rajani Smt G.Aruna Tulasi Ram Das	Alumni Auditorium, JNTUK
34	Advocacy for Climate Change Policy	16 th May-2012	Smt. Neetu Prasad I.A.S. Dist. Collector Smt. Usha Nair AIWC ,New Delhi Smt. Kalpakam Yechury AIWC, New Delhi Smt. Neena Rao MCRHRD Hyderabad Smt. K.Satyavathi President AIWC KKD	Senate Hall, JNTUK

35	“Women's movement in all spheres of development of society” on the eve of the birth & death anniversaries of Sri Raghupathi Venkata Ratnam Naidu, Raja Ram mohan Roy, Veeresalingam Panthulu & Rabindranath Tagore “	26 th May 2012	Dr T. Rajya Lakshmi	Brahmo Samaj
36	“University Second Convocation Celebrations” – Cultural programmes	6 th Aug 2012	Director	Alumni Auditorium, JNTUK
37	“4 th University Formation Day Celebrations” – Cultural programmes	21 st Aug 2012	Director	Alumni Auditorium, JNTUK
38	“Change of life style for Better Health”	22 nd Feb 2013	Sri. Jayanth Reddy, Gunnies world Record holder in Fitness from Hyderabad Dr. Rithika, Nutritionist from Karnataka	Alumni Auditorium, JNTUK
39	International Women’s Day celebrations- Theme- “The Hand that Rocks the Cradle can Rule the World”	8 th March 2013	Smt G. Aruna Tulasi Ram Das Smt L. Sessa Kumari Convenor, INTACH, East Godavari Chapter, Kakinada Smt D. Vijaya Lakshmi Psychologist Brahmakumari Rajani I/c Brahmakumari’s Institute, E.G. Dist	Alumni Auditorium, JNTUK
40	Third Convocation Celebrations – Cultural programmes	20 th June 2013	Dr. M. Y. S. Prasad	Alumni Auditorium, JNTUK
41	GATE Free Coaching classes	6 th Jan to 8 th Feb 2014	Director	4 Depts except Civil conducted at UCEK, JNTUK
42	5K Marathon & International Women’s Day celebrations- Theme- “Preventive Measures of Violence on Women”	8 th March 2014	Smt . Neetu Prasad I.A.S. Dist. Collerctor Dr. G. Tulasi Ram Das Ms. Brahmakumari Rajani I/c Brahmakumari’s Institute, E.G. Dist Smt G. Aruna Tulasi Ram Das Dr. Damera Vijaya Lakshmi SOS, Kakinada Smt L. Sessa Kumari, Convener, INTACH, E.G. Chapter, Kakinada Dr. R. Maha Lakshmi Principal, R.M.C., K.K.D.	Alumni Auditorium, JNTUK
43	GATE Free Coaching classes	Dec to Feb 2015	Director	5 Depts UCEK, JNTUK
44	‘Safety, Security & Threat Awareness Training Program Exclusively for Girl Students’	8 th March 2015	Sri. Reddy	Alumni Auditorium, JNTUK
45	International Women’s Day celebrations- Theme- “Empowering Women to enrich the Nation”	8 th March 2015	Dr. B. Prabhakara Rao Hon’ble Vice Chancellor i/c, JNTUK Dr GVR Prasada Raju Registrar, JNTUK Dr. R. Maha Lakshmi	Alumni Auditorium, JNTUK

			Principal, R.M.C. Dr. K. Padma Raju Principal, UCEK Mrs B. Maha Lakshmi (Mrs Prabhakara Rao)	
46	“Awareness Campaign on RTI Act 2005”	20 th March 2015	Smt. L. Thanthiya Kumari Hon’ble State Information Commissioner	Senate Hall, JNTUK
47	Indian Women Network (IWN) Session on ‘Qualities of a true Woman Entrepreneur’	3 rd September 2015	Ms. Saroja Vivekanand Chairwoman IWN A.P & Managing Director Visaka Industries, Hyderabad. Dr. V. Nagalakshmi Vice Chairwoman of IWN A.P. Joint Managing Director IMIS Pharmaceuticals, Vijayawada.	Senate Hall, JNTUK

5.1.18 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

Yes. The institution has a core anti ragging committee and the campus is a ragging free campus.

- ❖ At the time of the admissions in the first year, the students are strictly warned not to indulge in any ragging activities and undertaking letters are taken from all the students and their parents.
 - ❖ The Anti Ragging posters and banners are displayed in the campus to spread the awareness on the Act and also pamphlets are circulated to all the students.
 - ❖ No major complaints of ragging incidents. However minor issues are redressed through counselling of students by the anti ragging committee.
 - ❖ Anti ragging campaigns are conducted by involving local administration, police officers and judges.
 - ❖ Faculty and hostel wardens visit the hostels regularly to avoid ragging incidents.
- The sample poster copy of the Ragging Act of 1997 is shown below.



**JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY: KAKINADA**
KAKINADA-533003, Andhra Pradesh (India)
For Constituent Colleges and Affiliated Colleges of JNTUK

Ragging

Prohibition of ragging in educational institutions Act 26 of 1997

Salient Features

- ⇒ Ragging within or outside any educational institution is prohibited.
- ⇒ Ragging means doing an act which causes or is likely to cause Insult or Annoyance of Fear or Apprehension or Threat or Intimidation or outrage of modesty or Injury to a student

	Imprisonment upto	Fine Upto
Teasing, Embarrassing & Humiliation	6 Months	Rs. 1,000/-
Assaulting or Using Criminal force or Criminal intimidation	1 Year	Rs. 2,000/-
Wrongfully restraining or confining or causing hurt	2 Years	Rs. 5,000/-
Causing grievous hurt, kidnapping or Abducts or rape or committing unnatural offence	5 Years	Rs. 10,000/-
Causing death or abetting suicide	10 Months	Rs. 50,000/-

In Case of Emergency CALL TOLL FREE No. : 1800 - 425 - 1288

LET US MAKE JNTUK A RAGGING FREE UNIVERSITY

5.1.19 How does the university elicit the cooperation of all its stakeholders to ensure the overall development of its students?

The University interacts with the stake holders

- ❖ Through the official website
- ❖ The parents/guardians in case students' performance is not up to the mark and ensure full attendance of the students to the classes.
- ❖ Alumni to educate the students about job opportunities and opportunities to pursue higher studies.
- ❖ Industry professionals for curriculum development.

5.1.20 How does the university ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

All the women students are encouraged to take part in sports activities. A Lady Physical Director is appointed to take care of female students and to encourage them to take part in intra and inter-institutional sports.

The achievements of the women students in various sports are tabulated below.

Intra and Inter institution Sports Achievements 2010-11					
S.No	Name of the Student	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing College and Venue
01	V.Lakshmi	3 Gold, 2 Silver	100 Mts, Long Jump, High jump, 4×400 Relay, 4×100 Relay	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
02	Y.Geetanjali	1 Gold, 2 Silver	4X400 Mts Relay, 4×100 Mts Realy, Discuss Throw	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
03	B.Jayalakshmi	1 Gold	4×400 Mts Realy	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
04	K.Bhargava Lakshmi	1 Silver	4×100 Mts Realy	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
05	K. Tejaswani	1 Gold	4×400 Mts Realy	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
06	B.DurgaBhavani	1 Silver	4×100 Mts Realy	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada

Intra and Inter institution Sports Achievements 2011-2012					
S.No	Name of the Student	Branch	Name of the Game/Event	Level of the Tournament	Organizing University and Venue
01	S.Devikarani	EEE	Kho-Kho	South & West Zone Inter University Kho-Kho Tournament	Pondicherry University Pondicherry
02	R.Jayanthi	ECE	Kho-Kho	South & West Zone Inter University Kho-Kho Tournament	Pondicherry University Pondicherry
03	Y.Geetanjali	CSE	Volleyball	South Zone Inter University Volleyball Tournament	M.G.University Kottayam KERALA
04	B.Jayalakshmi	Mech	Volleyball	South Zone Inter University Volleyball Tournament	M.G.University Kottayam KERALA
05	K.Lavanya	ECE	Ball Badminton	Andhra State Junior Inter District	Andhra State Ball Badminton Association VSKP

Intra and Inter institution Sports Achievements 2012-2013					
S.No	Name of the Student	Branch	Name of the Game/Event	Level of the Tournament	Organizing University and Venue
01	Y.Geetanjali	CSE	Volleyball	South Zone Inter University Volleyball Tournament	Acharya Nagarjuna University, Guntur,A.P.
02	I.Ramya Meghana	CSE	Volleyball	South Zone Inter University Volleyball Tournament	Acharya Nagarjuna University, Guntur,A.P.
03	B.Divya	CSE	Volleyball	South Zone Inter University Volleyball Tournament	Acharya Nagarjuna University, Guntur,A.P.
04	R.Jayanthi	ECE	Kho-Kho	South & West Zone Inter University Kho-Kho Tournament	kottayam University kottayam Kerala
05	JNTUK UCEV	Winners	Kho-Kho (W)	JNTUK ZONE "A" Inter-Collegiate Tournament	GIET Rajahmundry
06	JNTUK UCEV	Runners	Volleyball (W)	JNTUK ZONE "A" Inter-Collegiate Tournament	GIET Rajahmundry
07	JNTUK UCEV	Runners	Table Tennis (w)	JNTUK ZONE "A" Inter-Collegiate Tournament	GIET Rajahmundry
08	JNTUK UCEV	3rd place	Chess	JNTUK Central Zone Inter-Collegiate Tournament	JNTUK UCEK Kakinada

ACHIEVEMENTS 2013-2014					
S.No	Name of the Student	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing College and Venue
01	JNTUK UCEV	Runners	VOLLEYBALL (w)	JNTUK SINGLE ZONE Inter-Collegiate Tournament	SVEC Tadepalli gudem
02	JNTUK University Kho-Kho (W) Team Selections Trails	Kho-Kho	13th November 2013	JNUK-UCEV VZM	01

Further, the Physical Education department organizes various events for women students in the University.

a) **Fresher's Tournament:**

The tournament is conducted exclusively for the first year students at the beginning of every academic year to exhibit their sports and cultural talents.

b) **Staff-Students Combined Tournament:**

The tournament is conducted every year during Independence Day celebrations to have a good relationship between faculty, staff and students.

c) Inter-Department Tournaments:

Various events are conducted involving the students across all the departments of first year to final year to foster comradeship among all the students.

d) Women's Day Celebrations:

Various activities are conducted to all the women students and staff of the University every year on the eve of Women's Day Celebrations.

The various events conducted on the eve of Women's Day Celebration conducted in the year 2015 is listed below.

List of events conducted for Women's Day Celebrations 2015

S.No.	Events For Girl Students	Organizers
1.	Elocution Dt: 03-03-2015 3.00 P.M. <u>Venue:</u> Civil Engg Dept Mob: 9848694969 9290532182	Dr.M. Swaroopa Rani Assoc. Prof., Civil Engg. Dept., UCEK, JNTUK Dr. K. Padma Priya Assoc. Prof., ECE Dept., UCEK, JNTUK Dr. S.Satyaveni Asst. Prof., Dept. of Chemistry, UCEK, JNTUK
2.	Dance Dt: 26-02-2015 4.00 P.M. <u>Venue:</u> ECE Dept. Mob: 8500912134 8331911346	Smt A. Rajani Asst. Prof., ECE Dept., UCEK, JNTUK Smt. K. Jhansi Rani , Asst. Prof., ECE Dept., UCEK, JNTUK
3.	Singing Dt: 02-03-2015 1.00 P.M. <u>Venue:</u> CSE Dept Mob: 9493050795 8977606564	Smt. N.S.S.S. N. Usha Devi Asst. Prof., CSE Dept., UCEK, JNTUK Smt.Ch. Ratna Kumari Asst. Prof., CSE Dept., UCEK, JNTUK Smt B. Leela Kumari Asst. Prof., ECE Dept., UCEK, JNTUK
4.	Throw Ball Dt:04-03-2015 6.30 A.M. <u>Venue:</u> Indore stadium, JNTUK Mob:9492384238	Dr. M.Sailaja Prof., ECE Dept., UCEK, JNTUK Smt. N. Sumathi Asst. Prof., EEE Dept. , UCEK, JNTUK Ms. Kamakshi Lady Physical Director , UCEK, JNTUK
5.	Fashion show Dt:06-02-2015 3.30 P.M. <u>Venue:</u> ECE Dept. Mob: 8500912134 8008770501	Smt. S. Shameem Banu Asst. Prof., Civil Engg. Dept., UCEK, JNTUK Smt. P. Pushpa Latha Asst. Prof., ECE Dept., UCEK, JNTUK Smt A. Rajani Asst. Prof., ECE Dept., CEK, JNTUK
6.	Rangoli Dt:06-03-2015 4.00 P.M. <u>Venue :</u> Alumni Auditorium Mob: 9948024844 9848339695	Dr. A. Swarna Kumari Prof., Mech. Engg. Dept., UCEK, JNTUK Smt B. L. Manasa Asst. Prof., Mech. Engg. Dept., UCEK, JNTUK
7.	Running Dt:02-03-2015 4.30 P.M.	Smt. N.S.S.S. N. Usha Devi Asst. Prof., CSE Dept., UCEK, JNTUK Dr. D. Haritha

	<u>Venue :</u> Indore stadium, JNTUK Mob:9492384238	Assoc. Prof., CSE Dept., UCEK, JNTUK Ms. Kamakshi Lady Physical Director, UCEK, JNTUK
8	Kho-Kho Dt:03-03-2015 6.30 A.M. <u>Venue :</u> Indore stadium, JNTUK Mob:9492384238	Smt. K. Jhansi Rani Asst. Prof., ECE Dept., UCEK, JNTUK Smt K. Rama Devi Asst. Prof., ECE Dept., UCEK, JNTUK Ms. Kamakshi Lady Physical Director, UCEK, JNTUK

5.1.20 How does the university ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

All the women students are encouraged to take part in sports activities. A Lady Physical Director is appointed to take care of female students and to encourage them to take part in intra and inter-institutional sports. Further, the Physical Education department organizes the various events for women students.

b) Fresher's Tournament:

This is being conducted exclusively for the I year students at the beginning of every academic year in order to find out their sports talent and make use of them for various sports/games.

b) Staff-Students Combined Tournament:

In order to have a good relationship between Staff and Students community this tournament is being conducted every year just a week before Independence Day celebrations.

c) Inter-Department Tournaments:

These indeed help to have a good understanding among all the students when they are given opportunity to play in a team which comprises of I year to final year students.

The Physical Education Department conduct the various events to all the women students and staff of the University every year on the eve of Women's Day Celebrations. The various events conducted on this eve in this year is listed in the table 5.x below

Table 5.X: List of events conducted for Women's Day Celebrations 2015

S.No.	Events For Girl Students	Organizers
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1.	Elocution Dt: 03-03-2015	Dr. M. Swaroopa Rani Assoc. Prof., Civil Engg. Dept., UCEK, JNTUK Dr. K. Padma Priya Assoc. Prof., ECE Dept., UCEK, JNTUK Dr. S. Satyaveni Asst. Prof., Dept. of Chemistry, UCEK, JNTUK
2.	Dance Dt: 26-02-2015	Smt A. Rajani Asst. Prof., ECE Dept., UCEK, JNTUK Smt. K. Jhansi Rani, Asst. Prof., ECE Dept., UCEK, JNTUK
3.	Singing Dt: 02-03-2015	Smt. N.S.S.S. N. Usha Devi Asst. Prof., CSE Dept., UCEK, JNTUK Smt.Ch. Ratna Kumari Asst. Prof., CSE Dept., UCEK, JNTUK Smt B. Leela Kumari Asst. Prof., ECE Dept., UCEK, JNTUK
4.	Throw Ball Dt:04-03-2015	Dr. M.Sailaja Prof., ECE Dept., UCEK, JNTUK Smt. N. Sumathi Asst. Prof., EEE Dept. , UCEK, JNTUK Ms. Kamakshi Lady Physical Director , UCEK, JNTUK
5.	Fashion show Dt:06-02-2015	Smt. S. Shameem Banu Asst. Prof., Civil Engg. Dept., UCEK, JNTUK Smt. P. Pushpa Latha Asst. Prof., ECE Dept., UCEK, JNTUK Smt A. Rajani Asst. Prof., ECE Dept., CEK, JNTUK
6.	Rangoli Dt:06-03-2015	Dr. A. Swarna Kumari Prof., Mech. Engg. Dept., UCEK, JNTUK Smt B. L. Manasa Asst. Prof., Mech. Engg. Dept., UCEK, JNTUK
7.	Running Dt:02-03-2015	Smt. N.S.S.S. N. Usha Devi Asst. Prof., CSE Dept., UCEK, JNTUK Dr. D. Haritha Assoc. Prof., CSE Dept., UCEK, JNTUK Ms. Kamakshi Lady Physical Director, UCEK, JNTUK
8	Kho-Kho Dt:03-03-2015	Smt. K. Jhansi Rani Asst. Prof., ECE Dept., UCEK, JNTUK Smt K. Rama Devi Asst. Prof., ECE Dept., UCEK, JNTUK Ms. Kamakshi Lady Physical Director, UCEK, JNTUK

The number of students participated in the various events are listed below:

❖ Singing Participants - 18 no. of students

- ❖ Group Dance participants – 28 no. of students
- ❖ Elocution – 10 no. of students
- ❖ Mehandi - 16 no. of students
- ❖ Running – 11 no. of students
- ❖ Throw ball – 24 no. of students
- ❖ Kho- kho – 24 no. of students

Motivation is given to the women students to participate in intra and inter institutional sports competitions and given training classes to aware of various sports. The achievements of the women students in various sports are tabulated below.

Intra and Inter institution Sports Achievements 2010-11					
S.No	Name of the Student	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing College and Venue
01	V.Lakshmi	3 Gold, 2 Silver	100 Mts, Long Jump, High jump, 4×400 Relay, 4×100 Relay	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
02	Y.Geetanjali	1 Gold, 2 Silver	4X400 Mts Relay, 4×100 Mts Realy, Discuss Throw	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
03	B.Jayalakshmi	1 Gold	4×400 Mts Realy	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
04	K.Bhargava Lakshmi	1 Silver	4×100 Mts Realy	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
05	K. Tejaswani	1 Gold	4×400 Mts Realy	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
06	B.DurgaBhavani	1 Silver	4×100 Mts Realy	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada

Intra and Inter institution Sports Achievements 2011-2012					
S.No	Name of the Student	Branch	Name of the Game/Event	Level of the Tournament	Organizing University and Venue

01	S.Devikarani	EEE	Kho-Kho	South & West Zone Inter University Kho-Kho Tournament	Pondicherry University Pondicherry
02	R.Jayanthi	ECE	Kho-Kho	South & West Zone Inter University Kho-Kho Tournament	Pondicherry University Pondicherry
03	Y.Geetanjali	CSE	Volleyball	South Zone Inter University Volleyball Tournament	M.G.University Kottayam KERALA
04	B.Jayalakshmi	Mech	Volleyball	South Zone Inter University Volleyball Tournament	M.G.University Kottayam KERALA
05	K.Lavanya	ECE	Ball Badminton	Andhra State Junior Inter District	Andhra State Ball Badminton Association VSKP

Intra and Inter institution Sports Achievements 2012-2013					
S.No	Name of the Student	Branch	Name of the Game/Event	Level of the Tournament	Organizing University and Venue
01	Y.Geetanjali	CSE	Volleyball	South Zone Inter University Volleyball Tournament	Acharya Nagarjuna University, Guntur,A.P.
02	I.Ramya Meghana	CSE	Volleyball	South Zone Inter University Volleyball Tournament	Acharya Nagarjuna University, Guntur,A.P.
03	B.Divya	CSE	Volleyball	South Zone Inter University Volleyball Tournament	Acharya Nagarjuna University, Guntur,A.P.
04	R.Jayanthi	ECE	Kho-Kho	South & West Zone Inter University Kho-Kho Tournament	kottayam University kottayam Kerala

Intra and Inter institution Sports Achievements 2012-2013					
S.No	Name of the Student	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing College and Venue
01	JNTUK UCEV	Winners	Kho-Kho (W)	JNTUK ZONE "A" Inter-Collegiate Tournament	GIET Rajahmundry
02	JNTUK	Runners	Volleyball (W)	JNTUK ZONE "A" Inter-	GIET

	UCEV			Collegiate Tournament	Rajahmundry
03	JNTUK UCEV	Runners	Table Tennis (w)	JNTUK ZONE "A" Inter-Collegiate Tournament	GIET Rajahmundry
04	JNTUK UCEV	3rd place	Chess	JNTUK Central Zone Inter-Collegiate Tournament	JNTUK UCEK Kakinada

ACHIEVEMENTS 2013-2014					
S.No	Name of the Student	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing College and Venue
01	JNTUK UCEV	Runners	VOLLEYBALL (w)	JNTUK SINGLE ZONE Inter-Collegiate Tournament	SVEC Tadepalli gudem
02	JNTUK University Kho-Kho (W) Team Selections Trails	Kho-Kho	13th November 2013	JNUK-UCEV VZM	01

5.2 Student Progression

5.2.1 What is the student strength of the university for the current academic year? Analyse the Programme-wise data and provide the trends for the last four years.

The student strength of the University for the Current Academic Year is as follows

S.No	College/Unit	Student Strength (2014-15)
1	UCEK	2262
2	UCEV	1428
3	IST	342
4	SMS	51
Total		4083

Students details pertaining to UCEV

Student Progression	Percentage against enrolled	
UG to PG	2010-11: 21/300	7%
	2011-12: 30/360	8.33%

	2012-13: 40/330	12.12%
	2013-14: 34/360	9.44%
	2014-15: 39/360	10.83%
PG to M.Phil	----	
PG to Ph.D	2010-11	4.2%
	2011-12	4.2%
	2013-14	4.2%
Ph.D to Post-doctorial	----	
Employed Campus selection	2010-11: 90/300	30%
	2011-12: 20/360	5.5%
	2012-13: 32/330	9.69%
	2013-14: 45/360	12.5%
	2014-15: 106/360	29.44%
ii) Other than campus recruitment	2010-11: 02	3.33%
	2011-12: 01	1.66%
	2012-13: 01	1.66%
	2013-14: 02	3.33%
	2014-15: 02	3.33%
Other(Banks)		10
Entrepreneurs	-----	

Students details pertaining to UCEK

Student Progression	Percentage against enrolled	
UG to PG	--	--
	--	--
	--	--
	--	--
	--	--
PG to M.Phil	--	
PG to Ph.D	--	--
	--	--
	--	--
Ph.D to Post-doctorial	----	
Employed Campus selection	2010-11: 300/545	55.05%
	2011-12: 321/573	56.02%
	2012-13: 257/660	38.9%
	2013-14: 252/657	38.36%
	2014-15: 411/719	57.16%
ii) Other than campus recruitment	--	--
	--	--
	--	--
	--	--
	--	--
Other(Banks)	--	--
Entrepreneurs	-----	

Students details pertaining to Pharmacy and Bio Technology

S.No.	Item	Pharmacy	Bio Technology
1	Pharmacy - UG to PG	50%	
2	PG to M.Phil.	-	
3	PG to Ph.D.	5%	25%

4	Ph.D. to Post-Doctoral	-	5%
5	Employed in Campus selection Other than campus recruitment	- 80% (PG students)	16 19
6	Entrepreneurs	-	-

Students details pertaining to Nano Technology

S.No.	Item		Percentage		
1	UG to PG (M.Tech)		NA (Not Applicable)		
2	PG (M.Tech) to M.Phil.		NA (Not Applicable)		
3	PG to Ph.D		34%		
4	Ph.D. to Post-Doctoral		Nil		
5	Employed	Campus selection	2012-13	2013-14	2014-15
			13%	16%	32%
		Other than campus	30%	21%	11%
6	Entrepreneurs		Nil		

5.2.2 What is the programme-wise completion rate during the time span stipulated by the university?

Programme-wise pass percentage during the academic years:

Programme	2011- 12	2012 – 13	2013- 14	2014 - 15
UG (UCEK)	95.7	91.1	87.2	82.9
UG (UCEV)	93.17	93.07	94.96	95.82
PG (UCEK)	98.6	95.7	93.8	94.3
PG (UCEV)	100	94.11	89.18	100
IST	91.66	84.64	92.39	88.96
SMS	100	100	100	100

5.2.3 What is the number and percentage of students who appeared/ qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.? Provide category-wise details regarding the number of Ph.D./ D.Litt./D.Sc. theses submitted/ accepted/ resubmitted/ rejected in the last four years

Details of students pertaining to UCEV

S. No.	Year	NET (%)	SET/SLET (%)	GATE(%)	CAT (%)	IAS/ IPS (%)	State/ PSC (%)	UPSC (%)	Others (%)
1	2010-11	-	-	14/1171 =1.19	-	-	3/1171 =0.2	-	-

2	2011-12	-	-	21/1223 =1.7	-	-	1/1223 =0.08	-	-
3	2012-13	-	-	28/1274 =2.1	2/1274 =0.1		2/1274 =0.1	-	5/1274 = 0.3
4	2013-14	-	-	37/1369 = 2.7	1/1369 = 0.07	-	-	-	2/1369 = 0.14
5	2014-15	-	-	33 /1428 = 2.3	6/1428 = 0.4	-	1/ 1428 = 0.07	-	8/ 1428 = 0.56

Details of students pertaining to IST

S.No.	School	Item	
1	Bio Technology	No. of students appeared in UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services	58
		No. of students qualified in the above mentioned exams	25
2	SREE	No students qualified Gate examinations	9
3	Pharmacy	NIPER GPAT 2015 PGECET 2015 GRE & TOFEL	4% 6 % 45% 15%
4	Nano Technology	Around 50% of the students are being absorbed in R & D organizations and about 30% are going abroad for pursuing higher studies.	

5.2.3 Provide category-wise details regarding the number of Ph.D./ D.Litt./D.Sc. thesis submitted/ accepted/ resubmitted/ rejected in the last four years.

S.No	Year	Status	SC			ST			BC			OC			MIN			TOTAL			
			M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
1	2012	Submitted																			
		Accepted	3	1	4	1	0	1	3	2	5	7	3	10	-	-	-	14	6	20	
		Resubmitted													-	-	-				
		Rejected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2013	Submitted																			
		Accepted	4	3	7	1	0	1	10	2	12	17	1	18	-	-	-	32	6	38	
		Resubmitted													-	-	-				
		Rejected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	2014	Submitted																			
		Accepted	5	2	7	1	0	1	8	2	10	17	4	21	-	-	-	31	8	39	
		Resubmitted													-	-	-				
		Rejected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	2015	Submitted																			
		Accepted	0	1	1	0	0	0	12	4	16	23	10	33	-	-	-	35	15	50	
		Resubmitted													-	-	-				
		Rejected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

5.3 Student Participation and Activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.

Common sports, cultural, extra-curricular facilities on Campus Colleges:

- ❖ NSS Units in the constituent college campuses and in the University
- ❖ NCC Unit in the campus
- ❖ Student Activity Centre (SAC) in the campus
- ❖ Multi Purpose Modern Indoor Stadium
- ❖ Modern Gymnasium
- ❖ 10 Lane 400 Mtrs Gravel Track
- ❖ Cricket Nets with astro turf pitch
- ❖ Cricket ground with necessary pitch
- ❖ Football Field
- ❖ Flood Light Volley ball court
- ❖ Tennis courts
- ❖ Hockey Field
- ❖ Badminton Courts
- ❖ Weight Lifting
- ❖ Kho-Kho Court
- ❖ Kabaddi Court
- ❖ Tennikoit Court
- ❖ Throwball Court
- ❖ Indoor Games Room for Caroms and Chess
- ❖ Infrastructure works under progress:
 - ❖ Synthetic Basketball court
 - ❖ Synthetic Tennis court
 - ❖ 40 x 60 mtrs Multipurpose gravel based arena with adequate lighting.

• **Programme Calendar for the year 2014-15**

S.No	Month	Programme
1	June	Provide facilities to the students to practice various games and sports.
2	July	Conduct of various games and sports events among first year students for the identification of sports talent on the occasion of Fresher's Day Celebrations.

3	August	Conduct of Inter Departmental matches on the eve of National Sports Day on 29 th August.
4	September	Train the students in various games and sports for the selection trails to represent the University teams.
5	October	Train the students in various games and sports for the selection trails to represent the University teams.
6	November	Semester Examinations
7	December	Select the College Teams and train the teams for Inter Collegiate Tournaments
8	January	Participation in the Inter Collegiate Tournaments
9	February	Conduct of various events on the occasion of Annual Sports Day
10	March	Conduct of various events on the occasion of Annual Sports Day
11	April	Semester Examinations
12	May	Summer Vacation

Participation of students - UCEK

Participation 2010-2011 (UCEV)				
S.No	Event	No. of students/Teams	Level of the Tournament	Hosting University/Institution
1.	Athletics & Kho-Kho	01	All India Inter-University Athletics Champion Chip	Acharya Nagarjuna University, Guntur, A.P.
2.	Cricket	01	South Zone Inter University Cricket Tournament	NIT Warangal
3.	Chess	01	South Zone Inter University Chess Tournament	SRM University Chennai
4.	Volleyball	01	South Zone Inter University Volleyball Tournament	Kuvempu University Shimoga
5.	Tennis	01	South Zone Inter University Tennis Tournament	Andhra University Visakhapatnam
6.	Kho-Kho	01	South & West Zone Inter University Kho-Kho Tournament	Andhra University Visakhapatnam
Participation 2011-2012 (UCEV)				
S.No	Event	No. of students/Teams	Level of the Tournament	Hosting University/Institution
1	Volley ball	02	South Zone Inter University Volleyball Tournament	M.G.University Kottayam KERALA
2	Ball Badminton	01	Andhra State Junior Inter District	Andhra State Ball Badminton Association VSKP
3	Tennis	01	South Zone Inter University Tennis Tournament	Andhra University Visakhapatnam
4	Cricket	01	South Zone Inter University Cricket Tournament	OU Hyderabad
Participation 2012-2013 (UCEV)				
S.No	Event	No. of students/Teams	Level of the Tournament	Hosting University/Institution
1	Kho-Kho	01	South & West Zone Inter University Kho-Kho	kottayam University kottayam Kerala

			Tournament	
2	Kho-Kho	01	South Zone Inter-University Kho-Kho(M) Tournament	Acharya Nagarjuna University Guntur A.P.
3	Kho-Kho	01	JNTUK University Kho-Kho (W) Team Selections Trails	JNUK-UCEV VZM
4	Volley ball	03	South Zone Inter University Volleyball Tournament	Acharya Nagarjuna University, Guntur,A.P.
5	Badminton	01	South Zone Inter University Badminton (M & W) Tournament	JNTUK, Kakinada, A.P. State
6	Boxing	01	All India Inter-University Boxing (M & W) Tournament	Bilaspur University Bilaspur, Chattisgarh
7	Cricket	01	South zone Inter University Cricket Tournament	Manipal University Manipal Karanataka
8	Cricket	01	JNTUK University Central Zone Cricket (M) Team Selections Trails	JNUK-UCEV VZM
9	Cricket	01	JNTUK zone "A" Inter-Collegiate Cricket (M) Tournament	JNUK-UCEV VZM
10	Cricket	01	JNTUK Central Zone Inter-Collegiate Cricket (M) Tournament	JNUK-UCEV VZM
11	Basketball	01	South Zone Inter University Basketball Tournament	DR.NTR University of Health Sciences Bza, A.P

Participation 2013-2014 (UCEV)

S.No	Event	No. of students/ Teams	Level of the Tournament	Hosting University/ Institution
1	Kho-Kho	01	JNTUK University Kho-Kho (W) Team Selections Trails	JNUK-UCEV VZM
2	Kho-Kho	01	JNTUK University Kho-Kho (M) Team Selections Trails	JNUK-UCEV VZM
3	Ball Badminton	01	JNTUK University Ball Badminton (M) Team Selections Trails	JNUK-UCEV VZM
4	Kabaddi	01	JNTUK University Kabaddi (M) Team Selections Trails	JNUK-UCEV VZM
5	Cricket	01	JNTUK zone "A" Inter-Collegiate Cricket (M) Tournament	JNUK-UCEV VZM
6	Cricket	01	JNTUK Central Zone Inter-Collegiate Cricket (M) Tournament	JNUK-UCEV VZM

NSS Activities:

Details of student participation in various NSS activities and the number of beneficiaries during the past five years are as follows:

Programme	2010 – 11	2011 - 12	2012 - 13	2013-14	2014 - 15
No. of Adopted Villages	90	120	122	118	122
No. of Special Camps Organized	89	117	100	80	94
No. of Saplings Planted	39, 200	53, 350	34, 350	20, 000	18, 367
No. of Blood Donation Camps	112	155	122	92	110
No. of Units of Blood Collected	7, 641	15, 575	17, 070	19, 024	18, 627
No. of Health Check up camps (General)	90	122	122	100	110
No. of Illiterates made literates	1, 060	2, 440	2, 125	3, 234	2875
No. of Awareness Programmes on HIV/AIDS	90	122	122	80	45
No. of Health Check up camps (Gynecology)	52	72	72	72	67
No. of children immunized against polio	4, 560	7, 250	9, 785	11, 000	9, 500

NATIONAL AND STATE LEVEL PROGRAMMES

1) 13th All India Inter University National Integration Youth Camp is organized by JNTUK

13th All India Inter University National Integration Youth Camp was organized at University premises, JNTUK, Kakinada from 23rd to 27th December 2010, in association with Foundation for Amity & National Solidarity, New Delhi. 25 Universities across the country participated in this Mega Event with 350 NSS Volunteers.

2) Adventure Training Camp at WHMI- Dharmashala

JNTUK NSS Cell has taken a special interest to train up the students of the University, for participation in National Adventure Camp conducted from 20th to 29th June, 2010 at Dharmashala, Himachal Pradesh. Three volunteers of JNTUK passed the test and selected for Adventure training camp, WHMI Dharmashala.

3) State Level Youth festival at Acharya Nagarjuna University

A Programme Officer and 29 NSS volunteers participated in state level Youth festival at Acharya Nagarjuna University from 16th to 18th Feb 2012. Volunteers won three prizes i.e 1st prize in Essay writing, 2nd prize in debating, 3rd Prize in Photo Exhibition.

4) 14th All India Inter University National Integration Youth Camp at Pune

A Programme Officer and 10 NSS Volunteers participated in 14th All India Inter-University National Integration Youth Camp held between 24th and 27th December, 2011, Pune.

5) Passport Mela at JNTU Kakinada

NSS volunteers has actively participated in Passport Mela on 27th & 28th August 2011 at JNTU Kakinada organized by Passport Authority, Govt. of India.

6) Training and Orientation Programmes

Training/Orientation Programmes attended:

- ❖ Training and Orientation Programme in TOC centre Andhra University, Vishakapatnam in March 2012.
- ❖ State level Advisory committee meetings at AP Secretariat, Hyderabad, Horsely Hills Madanapalle, Annavaram and Basara.
- ❖ State level Programme coordinators review and orientation meeting at APSCHE on National Voters Day eve.

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.

Achievements of UCEK

SPORTS ACHIEVEMENTS 2010-2011 (UCEK)					
S.No	Name of the Student/Team	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing College and Venue
01	Team, UCEK, JNTUK	Winners	Basketball	Zone – B Inter Collegiate Tournament	UCEK, JNTUK
02	Team, UCEK, JNTUK	Winners	Table Tennis	Zone – B Inter Collegiate Tournament	UCEK, JNTUK
03	Boys and Girls teams, UCEK, JNTUK	Hon'ble Vice Chancellor Trophy	All Round Champions for Games and Sports 2010-	Central Zone	JNTUK

			2011		
04	Team, UCEK, JNTUK	winners	Cricket (Men)	winning QUADRUM State Level Cricket Tournament	Hyderabad
SPORTS ACHIEVEMENTS 2011-2012 (UCEK)					
S.No	Name of the Student/Team	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing College and Venue
01	Saketh	27 th place	XX National Youth (U-25) Chess Championship	National	Indore, MP
02	UCEK JNTUK	Winners	Cricket Men	Eenadu Cricket Tournament at District Level	Kakinada
03	UCEK JNTUK	Champions	All Round Games Champions (Men)	Central Zone	UCEK, JNTUK
SPORTS ACHIEVEMENTS 2012-2013 (UCEK)					
S.No	Name of the Student/Team	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing College and Venue
01	Hari Krishna	2nd place	9th A2H Chess tournament - U19	All India Fide Rating	Hyderabad
02	UCEK JNTUK	Runners	Cricket Men	the JNTUK Zone – B Inter-Collegiate, Central Zone Tournament	UCEV
03	UCEK JNTUK	Champions	Football (M)	JNTUK Central Zone Football Tournament	UCEK, JNTUK
SPORTS ACHIEVEMENTS 2013-2014 (UCEK)					
S.No	Name of the Student/Team	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing College and Venue
01	P. Saketh M. Hari Krishna	bronze medal	Inter University Chess Tournament	South Zone	University of Calicut, Kerala
02	Saketh	6 th Place	HCA 33 rd National Chess	National	Hyderabad

			Championship		
03	UCEK JNTUK	19 Points	Athletics (M)	2 nd Athletics Meet cum Selection Trails	Aditya Engineering College, Surampalem
04	UCEK JNTUK	20 Points	Athletics (W)	2 nd Athletics Meet cum Selection Trails	Aditya Engineering College, Surampalem
05	UCEK JNTUK	winners	Kabaddi (M)	Inter Collegiate Zone “B” Tournament	GIET, Rajahmundry
06	UCEK JNTUK	runners	shuttle badminton (Men)	Inter Collegiate Zone “B” Tournament	GIET, Rajahmundry
07	UCEK JNTUK	runners	Kho – Kho (M)	Inter Collegiate Zone “B” Tournament	GIET, Rajahmundry
08	UCEK JNTUK	runners	Table Tennis (M)	Inter Collegiate Zone “B” Tournament	GIET, Rajahmundry
09	UCEK JNTUK	Winners	Throw ball	Inter Collegiate Single Zone Games Meet for Women	SVEC, Tadepalligudem
10	UCEK JNTUK	Runners	Badminton	Inter Collegiate Single Zone Games Meet for Women	SVEC, Tadepalligudem
11	UCEK JNTUK	Winners	Cricket	3 rd B- Zone and Central Zone Cricket Tournament	UCEK JNTUK
12	UCEK JNTUK	Champions	Cricket	Central Zone Cricket Tournament	UCEV JNTUK
13	UCEK JNTUK	Winners	Foot ball (M)	4 th JNTUK Inter Collegiate Central Zone Games and	JNTUK Kakinada

				Sports Meet	
14	UCEK JNTUK	Winners	Chess (M)	4 th JNTUK Inter Collegiate Central Zone Games and Sports Meet	JNTUK Kakinada
15	UCEK JNTUK	3 rd Place	Kho - Kho (M)	4 th JNTUK Inter Collegiate Central Zone Games and Sports Meet	JNTUK Kakinada
16	UCEK JNTUK	Champions	All Round Games Champions (Men)	Central Zone	UCEK, JNTUK
17	Boys and Girls teams, UCEK, JNTUK	Hon'ble Vice Chancellor Trophy	All Round Champions for Games and Sports 2013-2014	Central Zone	JNTUK

SPORTS ACHIEVEMENTS 2014-2015 (UCEK)

S.No	Name of the Student/Team	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing University and Venue
01	UCEK JNTUK	winner	Football (M)	Inter Collegiate cum Selection trials	VRS & YRN College of Engineering, Chirala
02	UCEK JNTUK	winner	Chess (W)	Single Zone Inter Collegiate Games Meet for Women	Gudlavalleru Engineering College, Gudlavalleru
03	UCEK JNTUK	Runners	Ball badminton (M)	5th JNTUK Inter Collegiate Inter Zonal Games Meet	UCEK JNTUK
04	UCEK JNTUK	second place	Chess (M)	5th JNTUK Inter Collegiate Inter Zonal Games Meet	UCEK JNTUK
05	UCEK JNTUK	third place	Table	5th JNTUK	UCEK JNTUK

			Tennis (M)	Inter Collegiate Inter Zonal Games Meet	
06	UCEK JNTUK	Champions	All Round Athletic Champions (Men)	JNTUK Inter Collegiate Athletics tournament	UCEK JNTUK

ACHIEVEMENTS - UCEV

SPORTS ACHIEVEMENTS 2010-2011 (UCEV)					
S.No	Name of the Student	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing College and Venue
1.	V.Lakshmi	3 Gold, 2 Silver	100 Mts, Long Jump, High jump, 4×400 Relay, 4×100 Relay	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
2.	Y.Geetanjali	1 Gold, 2 Silver	4X400 Mts Relay, 4×100 Mts Realy, Discuss Throw	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
3.	B.Jayalakshmi	1 Gold	4×400 Mts Realy	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
4.	K.Bhargava Lakshmi	1 Silver	4×100 Mts Realy	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
5.	K. Tejaswani	1 Gold	4×400 Mts Realy	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
6.	B.DurgaBhavani	1 Silver	4×100 Mts Realy	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
7.	K.Sreekar	Runner	Chess	JNTUK Inter-Collegiate Athletics Champion Ship	JNTUK UCEK Kakinada
SPORTS ACHIEVEMENTS 2011-2012 (UCEV)					
S.No	Name of the Student/Team	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing College and Venue
1.	JNTUK UCEV	Winners	Cricket (M)	JNTUK Central Zone Inter-Collegiate Cricket Tournament	JNTUK UCEV VZM
2.	JNTUK UCEV	Runners	Cricket (M)	JNTUK Zone "A" Inter-Collegiate Cricket Tournament	JNTUK UCEV VZM
3.	JNTUK UCEV	Winners	Kho-Kho (W)	JNTUK ZONE "A"	GIET

				Inter-Collegiate Tournament	Rajahmundry
4.	JNTUK UCEV	Runners	Volleyball (W)	JNTUK ZONE "A" Inter-Collegiate Tournament	GIET Rajahmundry
5.	JNTUK UCEV	Runners	Kho-Kho (M)	JNTUK ZONE "A" Inter-Collegiate Tournament	GIET Rajahmundry
6.	JNTUK UCEV	Runners	Table Tennis (w)	JNTUK ZONE "A" Inter-Collegiate Tournament	GIET Rajahmundry
7.	JNTUK UCEV	3rd place	Chess	JNTUK Central Zone Inter-Collegiate Tournament	JNTUK UCEK Kakinada

SPORTS ACHIEVEMENTS 2012-2013 (UCEV)

S.No	Name of the Student/Team	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing College and Venue
01	JNTUK UCEV	Winners	KABADDI (M)	JNTUK Zone "A" Inter-Collegiate Tournament	GMRIT Rajam
02	JNTUK UCEV	Runners	KHO-KHO (M)	JNTUK Zone "A" Inter-Collegiate Tournament	GMRIT Rajam
03	JNTUK UCEV	Runners	T.T (M)	JNTUK ZONE "A" Inter-Collegiate Tournament	GMRIT Rajam
04	JNTUK UCEV	Runners	CRICKET (M)	JNTUK ZONE "A" Inter-Collegiate Tournament	JNTUK-UCEV
05	JNTUK UCEV	Third Place	KABADDI (M)	JNTUK CENTRAL ZONE Inter-Collegiate Tournament	JNTUK UCEK Kakinada
06	JNTUK UCEV	Runners	VOLLEYBALL (w)	JNTUK SINGLE ZONE Inter-Collegiate Tournament	SVEC Tadepalli gudem
07	JNTUK UCEV	Fourth place	Chess	JNTUK Central Zone Inter-Collegiate Tournament	JNTUK UCEK Kakinada

SPORTS ACHIEVEMENTS 2013-2014 (UCEV)

S.No	Name of the Student/Team	Medal/Place	Name of the Game/Event	Level of the Tournament	Organizing University and Venue
01	R. Anil Kumar		Cricket	South zone Inter University Cricket Tournament	Manipal University Manipal Karanataka
02	B. Rajasekhar		Kho-Kho	South Zone Inter University Kho-Kho Tournament	University of Calicut, Calicut
03	V. Satish		Kho-Kho	South Zone Inter University Kho-Kho Tournament	University of Calicut, Calicut
04	D. Sandhya		Kho-Kho	South Zone Inter	Mangalore University,

				University Kho-Kho Tournament	Mangalagangothri Karnataka
05	D. Tejasree		Kho-Kho	South Zone Inter University Kho-Kho Tournament	Mangalore University, Mangalagangothri Karnataka State
06	A. Madhava Rao		Kabaddi	South Zone Inter University kabaddi Tournament	Acharya Nagarjuna University Guntur
07	N. Jaya Manmada Rao		Handball	South Zone Inter University Hand ball Tournament	Bharathidasan University, Thiruchirappalli Tamil Nadu

Achievements in Cultural Events

Academic Year	Internal Events of the University	External Events of the University	State Level Prizes Secured
2011-12	Annual Cultural Programmes of the University	-	-
2012-13	Annual Cultural Programmes of the University	Kakinada Beach Festival during Jan 2013	State Level Youth festival at Acharya Nagarjuna University, Guntur and won three prizes Essay writing 1 st prize Debating 2 nd prize Photo Exhibition 3 rd Prize
2013-14	Annual Cultural Programmes of the University	Kakinada Beach Festival during Jan 2014	-
2014-15	Annual Cultural Programmes of the University	Kakinada Beach Festival during Jan 2015	Godavari Puskarams - July 2015 Elocution (English) - 1 st Prize Elocution (Telugu) - 1 st Prize Debate (English) - 1 st Prize Debate (Telugu) - 2 nd Prize Essay Writing (English) - 1 st Prize Essay Writing (Telugu) - 2 nd Prize Singing (Light Vocal) - 1 st Prize

5.3.3 Does the university conduct special drives / campaigns for students to promote heritage consciousness?

- ❖ Awareness camps on meditation were conducted with the help of Brahmakumaris vizianagaram chapter.
- ❖ Students regularly participate in educational tours at the end of third year which involves visit to historical heritage places apart from industries and projects.

5.3.4 How does the university involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four academic sessions.

All the departments of the University constituent colleges encourage the students to conduct the Technical Fest every year. The students are actively involved in the preparation of brochure, posters, technical committees, scrutiny of the technical papers with the support of faculty members, arrangement of technical paper presentation sessions, preparation of souvenir etc.,

Magazine:

- E-Spectra – A monthly magazine published by the department of ECE, UCEV, JNTUK

Souvenirs:

1. SOUDHA – Technical Fest Souvenir published by the Department of Civil Engg., UCEK, JNTUK
2. ENCURSO – Technical Fest Souvenir published by the Department of EEE, UCEK, JNTUK
3. ECLECTIQUE – Technical Fest Souvenir published by the Department of EEE, UCEV, JNTUK
4. A souvenir was brought by the students on eve of FARADAY'S birthday by the Department of EEE, UCEV, JNTUK
5. TORQUE – Technical Fest Souvenir published by the Department of Mech. Engg., UCEK, JNTUK
6. MECHANO – Technical Fest Souvenir published by the Department of Mech. Engg., UCEV, JNTUK
7. ESPARX – Technical Fest Souvenir published by the Department of ECE, UCEK, JNTUK
8. ECENTRA – Technical Fest Souvenir published by the Department of ECE, UCEV, JNTUK
9. ZIETGEIST – Technical Fest Souvenir published by the Department of CSE, UCEK, JNTUK
10. CREAZIONE – Technical Fest Souvenir published by the Department of CSE & IT, UCEV, JNTUK
11. INDHAN – Technical Fest Souvenir published by the Department of Petroleum and Petro Chemical Engg., UCEK, JNTUK

12. EISEN – Technical Fest Souvenir published by the Department of Metallurgical Engg, UCEV, JNTUK

5.3.5 Does the university have a Student Council or any other similar body? Give details on its constitution, activities and funding.

- ❖ Student Representatives (one male and one female) for each class and Student Representative in their respective hostels. Meetings of the Student representatives are conducted periodically to receive feedback from students about teaching-learning, hostel life and about problems encountered.

- ❖ Student fests are conducted department-wise every year by the students.

- ❖ The University and the Institution provides required funding for the conduct of activities. Students also mobilize funds from other organizations.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.

- ❖ Anti- Ragging committee

Help to avoid ragging and make the University as ragging-free campus.

- ❖ Hostel committee

In finalizing the tenders for supply of goods General maintenance and improvement of facilities Discipline, safety and health of the inmates

- ❖ Class representatives, Girls representatives

Conduct of quizzes, group discussions and any other co-curricular and extra-curricular activities Finalizing and conduct of student fests Help in arrangements for conduct of seminars, workshops etc

- ❖ Rotaract and LEO clubs (Students wings of Rotary Club and Lions Club respectively)

Conduct of awareness programs, service programs etc.

- ❖ NSS Conduct of social service camps like blood donations, literacy improvement in the rural areas, health and hygiene awareness programs and other voluntary services.

- ❖ NCC Participate in public events to guide the people and help the organizers.

Provide voluntary services whenever required by the society.

Motivate the juniors to join in different NCC wings.

information regarding Student Support and Progression which the university would like to include.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and the mission of the university.

Vision:

Developing and evolving the University as a value driven global level Institution and a model of excellence in the disciplines of Science, Technology, Engineering, Mathematics and Management education. Imparting moral and ethical values among the students and staff envisaged to effectively impact the region, the society and the humanity as a whole.

Mission:

Innovating the delivery of technological education by deploying Internet Communication Technology in Teaching Learning Processes and nurturing the students for varying demands of society, industry and market.

- ❖ To be dynamic, innovative and flexible in devising academic programmes, structures
- ❖ and mechanisms.
- ❖ To produce globally competent graduates having creative skills and ethical values
- ❖ To carry out cutting-edge research and development for the benefit of society

The Vision and Mission are communicated by making them visible in the departments, colleges, library and the web sites of the University.

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society. the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?

Yes, as per the Quality Policy, Jawaharlal Nehru Technological University Kakinada is committed for creation, archiving and dissemination of knowledge in Science, Technology, Engineering, Mathematics and Management education towards the service to humanity.

The JNTUK undertakes to carry out high quality research in the frontiers of technology as well as developing professionally groomed manpower with sound knowledge and skill, respect for profession, social and national values and ethics.

This commitment is translated into practice through

- ❖ Ensuring topical and relevant curriculum
- ❖ Adept advanced delivery mechanism

- ❖ Professional and intellectual fulfillment of the faculty and staff
- ❖ Carrying out quality research in the frontiers of science and technology
- ❖ Involving all stake holders in growth and development of the University
- ❖ Continuous augmentation and renewal of infrastructure and facilities
- ❖ Creating congenial and conducive work environment.
- ❖ Enhancing the harmony and compatibility in the University

6.1.3 How is the leadership involved in ensuring the organization's management system development, implementation and continuous improvement? In interacting with its stakeholders? In reinforcing a culture of excellence? In identifying organizational needs and striving to fulfill them?

The University has a hierarchy of leadership to ensure organization's management system development, implementation and continuous improvement. The University has established various academic and administrative bodies which are decision making bodies for all the university activities. The leadership at the University is provided by the Vice Chancellor who is an eminent academician to guide the University ably assisted by Rector, Officer on Special Duty, Registrar, Directors, Principals and Heads of Departments.

Organizational Hierarchy of JNTUK

S. No	Type of Body	Administrative Set Up / Constitution	Frequency of Meeting	Membership	Broad Objective
1	Monitoring and Development Committee (MDC)	Constituted by the Government of Andhra Pradesh	Once in Three months or as and when requiremnt arises	Government nominees and University nominees	All policy matters are discussed and decided.
2	Governing Council (GC)	Constituted by JNTU Kakinada	Under the purview of JNTU K	University is the deciding Authority. Principal is Member Secretary	All policy matters are discussed and decided.
3	College Academic Committee (CAC)	All Professors and HOD's are members	Whenever situation Demands. Or once in a Month.	The stake holders in administration and senior faculty in the Departments	To review all aspects of administration and academics To take decisions on policy matters

					related to and academics
4	Purchase Committee (PC)	CAC members are members of PC.	As and when needed Or once in a Month.	CAC members are members of PC.	To review and decide on all matters of purchases.
5	Boards of Studies (BOS)	Constituted with academicians of repute and excellence in different fields of study	Three months before starting of each Academic Year	Membership is drawn from a pool of distinguished academicians, researchers and industrialists	To frame the curriculum and syllabi for different courses and specializations. To review the revision of existing course structure and syllabi and modify. To assess the relevance of course structure to industry and society at large.
6	Campus Disciplinary Committee (CDC)	Four senior and interesting staff are nominated	When disciplinary issues arise Or once in a month	Four senior and interesting staff are nominated	To help the administration by dealing with all disciplinary issues and reporting to The Principal To propose appropriate measures to maintain academic ambience.

The Officials of the University interact with stakeholders through interaction with Affiliated Colleges, Students, Alumni, Parents, Industry, Employees, Media periodically and take their feedback.

The scope includes

- ❖ Curriculum design
- ❖ Detailed syllabi of all courses
- ❖ Logical sequence of courses including their pre-requisites

- ❖ Instructional Methodology
- ❖ Evaluation Criteria and Methodology

Monitoring and Development Committee of the University ensures that the design and developmental activities are carried out in a planned manner. Detailed planning for design and development of instructions is done by Director of Academics and Planning.

Design plans include the activities & sub activities including techniques and organizational interfaces and the time frame for completion. The plans are updated, as the instructional design evolves.

Need analysis report (periodically or as per need) shall comprise of the following

- ❖ Stated customer needs
- ❖ Needs which the customer has yet not realised (Implied needs)
- ❖ Overall goals of Instructions
- ❖ Relevant standards from AICTE and UGC guidelines.
- ❖ General characteristics of target population.

The University strengthen the culture of excellence at all levels by conducting various seminars, conferences, workshops, short term courses, faculty development programmes etc. to update employees in the recent trends in teaching, learning and other professional needs. The faculty members are also encouraged to attend various workshops, seminars etc conducted by other institutions at national and international level.

Organizational and Technical interfaces between different faculty and external expert groups providing input to the instructional design are defined, committees are constituted and their reports are documented. Faculty members from different disciplines connected with the design & development activity are associated with the process. The updating/restructuring of the organization is carried out as the design process progresses. Clear responsibilities are assigned and effective communication is ensured.

The requirements of instructional design are determined and recorded. For instructional design, the input is taken from various sources. Input requirements are clearly understood and reconciled. The design input may come from

- ❖ Need analysis and Reviews.
- ❖ Recommendations from alumni, senior management, industry etc.
- ❖ Success/failure reports of similar courses & programmes.
- ❖ Published literature relevant to programmes.

6.1.4 Were any of the top leadership positions of the university vacant for more than a year? If so, state the reasons.

All the top leadership positions in the University are filled regularly without delay.

6.1.5 Does the university ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

Yes. All positions in the various statutory bodies are filled and meetings are held as per the general rules and regulations of the University. The records and the minutes and agenda of the meetings of various bodies will be presented to the expert committee during their visit. The meetings of the Statutory Bodies are held frequently.

6.1.6 Does the university promote a culture of participative management? If yes, indicate the levels of participative management.

Yes, the University promotes the culture of participative Management at all levels and in all activities like Administration, Admission, Student activities, Curriculum Development, Research, Sports, Culturals etc. The University has given equal representation in various committees at all levels from Professors, Associate Professor and Assistant Professors from various units of the University. The leadership at the University is provided by the Hon'ble Vice Chancellor who has always been a visionary and a person of excellence and eminence with proven track record. The Hon'ble Vice Chancellor is assisted by the Rector, OSD, Directors and Principals besides the Registrar who looks after the administrative activities of the University. The structure is similar to what is followed at some of the best institutions in the country and abroad.

The following faculty members are administrators for various assigned jobs

Name	Designation
Dr. V. S. S. Kumar	Vice - Chancellor
Dr. B. Prabhakara Rao	Rector
Dr. Ch. Sai Babu	OSD to Hon'ble Vice - Chancellor
Dr. G. V. R. Prasada Raju	Registrar
Dr. K. Padma Raju	Director, Academic & Planning
Dr. P. Subba Rao	Director of Evaluation
Dr. J.V.R. Murthy	Director, Industry Institute Interaction Placement &

	Training
Dr. S. Srinivas Kumar	Director, Research and Development
Dr. G. Abbaiah	Director, Faculty Development
Dr. V. Ravindra	Director, Infrastructure Development & Chief Engineer
Dr. K. Purnanandam	Director, Center of Excellence e-Resource Development & Deployment
Dr. G. Ranga Janardhana	Director, Institute of Science & Technology
Dr. V. Ravindrath	Director, Admissions
Dr. M. Ramalinga Raju	Director, Foreign Universities Relations
Dr. P. Vijaya Kumar	Director, School of Management Studies
Dr. V. Ramachandra Raju	Principal, University College of Engineering, Kakinada
Dr. V. Srinivasulu	Principal, University College of Engineering, Vizianagaram.

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges and the support and encouragement given to them to become autonomous.

JNTU Kakinada has 274 affiliated colleges spread over eight districts of the state of Andhra Pradesh. The University periodically reviews the progress of the colleges and annually conducts the visits of Fact Finding Committees to grant temporary or permanent affiliations. Best among them are granted at their request autonomous status to receive grants from UGC and TEQIP. As on date 5 institutions have been granted autonomous status and 13 institutions have been granted permanent affiliation.

6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

The autonomous colleges can design their curriculum and conduct the examinations as per JNTUK norms. However the degrees will be issued by JNTUK only.

6.1.9 How does the university groom leadership at various levels? Give details.

The University grooms the leadership at various levels. The faculty members holding various positions of responsibilities like Rector, Registrar, OSD, Director, Principal, Programme Director, Head of the Department, Coordinator etc. are involved in decision making on rotation basis to get the experience of working in different positions.

Faculty is encouraged to excel in all fields of academics and scholarship and is groomed to take leadership positions at various levels.

The academic performance of the faculty is continuously monitored through the student's feedback survey.

The research performance is measured through research funding received, research publications produced and number of PhDs and Masters Theses supervised.

The performance of the faculty is ranked through a rigorous process and incentives for superior performance is awarded with Best Teacher or Best Researcher on an annual basis.

The leadership qualities are groomed through a series of meetings and personal contacts with experts and top leadership from various Universities and Industries. This has created a positive attitude and a zeal among faculty to excel in their respective fields.

6.1.10 Has the university evolved a knowledge management strategy? If yes, give details.

As part of the knowledge management, all the library materials are systematically catalogued. Library operations are automated. Catalogues are accessible online within the library. A number of documents of research, academic and general interest are now available online . These include full text of theses and dissertations submitted to the University, research publications, public documents, proceedings of the conferences held at the University, convocation documents, photo albums etc. All the Ph.D. and Post Graduate theses are available in the Library.

A Digital Resource Library including e-journals viz., Delnet, Inflib, Science Direct has been set up for research scholars, students and Faculty to provide access to digital-resources and conversion, storage and printing of digital documents.

The Library is equipped with dedicated computer terminals, scanners, colour and black & white laser printers and copiers, and related software.

The Library can also be used for library based learning assignments. The Library building is equipped with wireless network for internet and intranet connectivity. In addition to over 14 computers available for library users, members can use their laptops for searching the library resources and internet.

University has evolved a knowledge management strategy through the following:

- ❖ Participation of faculty in various conferences, seminars, workshops and training programmes.
- ❖ Publication of research papers in various journals.

- ❖ Research projects
- ❖ University Research grants to faculty
- ❖ Providing of internet facility to all

6.1.11 How are the following values reflected the functioning of the university?

Contributing to national development Fostering global competencies among students

Inculcating a sound value system among students Promoting use of technology Quest for excellence

Over the years, engineering education in India has undergone significant changes in terms of goals, approach and contents. Today, a well-trained engineer is expected to possess Knowledge of basic and applied sciences and scientific methods, an in-depth understanding of and professional competency in his/her area of specialisation, versatility to work with inter-disciplinary groups and sensitivity to the needs and aspirations of the industry in particular and the society at large.

The curricula at the University have been designed to produce engineers who would be capable of meeting these goals. The curriculum is reviewed once in three years to ensure continued relevance and benchmarked with best institutions globally.

The Academic Senate and its associate bodies like Boards of Studies for UG and PG courses are the supreme academic bodies and have complete flexibility in the design of course curriculum for various programs. The Board of Studies consists experts from prestigious academic institutions and relevant industries and Director of Academics and Planning convene these committees in formulating schemes and syllabi for various courses and their continued relevance to the modern needs of the nation. The feedback from stake holders is discussed at these committees so as to utilize the expertise and experience of the members.

The University strives to foster among its students a strong desire and capacity for continuous learning as well as self appraisal to develop sterling human and professional qualities and a strong sense of service to society with professional ethics through designed curricular, cocurricular activities and congenial campus environment.

JNTUK has a mechanism of periodic curriculum review at all levels after every three years. The key feature of undergraduate curriculum is the "Project" in the final semester. The students perform their Undergraduate Project either in the college of in the Industry,

under the joint guidance of faculty from the University and a co-ordinator from the participating organisation / industry. Apart from the project work the students are required to present a seminar talk on the project. In the recent past, the Academic Senate has also decided to have three midterm reviews of the project.

For the post graduate programmes, the students are required to complete stipulated rigorous coursework in the first two semesters followed by a project of one year duration either in the institution or in the industry. The students are required to give two seminars during their course work. They are also required to publish a technical paper in Journals or Conferences.

6.2 Strategy Development and Deployment

6.2.1 Does the university have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

Vision and mission , Teaching and learning, Research and development, Community engagement, Human resource planning and development, Industry interaction, Internationalisation

Vision

- ❖ To be recognized as a leader committed to excellence in higher education, research and innovation that meets the aspirations of the global community.

Mission

- ❖ To provide a scholarly and professional environment that enables faculty, students and staff to make lasting contributions to the advancement of knowledge
- ❖ To be dynamic, innovative and flexible in devising academic programmes, structures and mechanisms.
- ❖ To produce globally competent graduates having creative skills and ethical values
- ❖ To carry out cutting-edge research and development for the benefit of society

Teaching and learning

The teaching-learning and evaluation process is carried out as per the predefined academic calendar and examination procedures through continuous assessment and a letter grade system. This academic calendar is prepared well in advance and ensures compulsory class room teaching, House Test and End Semester Examination for each semester in a session.

Research and development

Research is one of the most important activities of the University next to teaching. The Directorate of Research & Development follows a mechanism of monitoring the research in an effective way. Students doing Ph.D. are encouraged to participate in Credit and Audit Courses of the University.

Community engagement

New Initiative towards gaining publicity among the student community of the University: The students of J N T University Kakinada have taken initiatives for creating awareness on opportunity exploration and to shape a career smartly, ultimately aiming at development of entrepreneurs; exploring inventive dimensions and reaching new heights by organizing sessions related to career and personal positioning of an individual, through a series of interactive hours, personal discussions and individual guidance supported by experts.

Human resource planning and development

The University has set standards for imparting quality education and thus induct faculty with higher academic profiles, urge to excel in their respective fields and serve the students and the University with dedication and high quality standards. All the faculty members inducted are qualified and competent teaching in all the academic courses.

Industry interaction

The University has continuous industrial collaboration with TCS, INFOTEC, TEJAS NETWORK, DRDO. ,

The emphasis on continuous interaction with industry is further strengthened through conduct of short tours of students and faculty to work sites/ industries to enable them have a feel of field life and work places. The University has signed MoUs with industries for research, student training etc.

Internationalisation

The University has established Directorate of Foreign University Relations to work towards the internationalization of education. The University runs Five year International Integrated Masters' Degree Programme in Five major branches viz. Civil Engineering, Electrical Engineering, Mechanical Engineering, Electronics and Communication Engineering and Computer Science Engineering. The foreign universities include Asian

Institute of Technology, Thailand and Blekenge Institute of Technology, Sweden. Central Mechigon University, USA , US Flight Academy USA and University of Hailand, UK.

The University has framed the course syllabus according to the global relevance. The University has signed MoUs with foreign universities for student exchange, twinning programmes and research etc. The University also invites experts from international university for delivering lectures and also faculty of the University has visited the foreign university for the same.

6.2.2 Describe the university's internal organizational structure and decision making processes and their effectiveness.

The internal coordination is carried out effectively through the proceedings of various bodies such as MDC, the main executive body of the University, Finance Committee, Staff Affairs Committee through the progress reported by the Vice Chancellor on quarterly basis. Within the University the Vice Chancellor monitors the complete coordination through the proceedings of Planning and Monitoring Board, Senate and Building and Works committee through the meetings held on regular basis. Besides, the coordination is also monitored through the Management Review Committee/IQAC meetings held once a semester. The powers and functions of various bodies are well enunciated in the Rules which help the statutory bodies to exercise effective monitoring of the entire functioning of the University. The officers of the University have also been vested with extensive powers and functions as elaborated in the Rules of the University to closely monitor the internal coordination.

6.2.3 Does the university have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

Yes, the University have a Quality Policy, JNTUK is committed for creation, archiving and dissemination of knowledge in Science, Engineering and Technology for the service to the humanity. JNTUK undertake to carry out high quality research in the frontiers of technology as well as develop professionally groomed manpower with sound knowledge and skill, respect for profession, social and national values and ethics.

This commitment is translated into practice through:

- ❖ Ensuring topical and relevant curriculum;
- ❖ Adept delivery mechanism;

- ❖ Professional and intellectual fulfillment of faculty and staff;
- ❖ Carrying our quality research in the frontiers of technology
- ❖ Involving all stake holders in growth and development of the University;
- ❖ Continuous augmentation and renewal of infrastructure and facilities;
- ❖ Creating congenial and conducive work environment.

6.2.4 Does the university encourage its academic departments to function independently and autonomously and how does it ensure accountability?

The internal coordination is carried out effectively through the proceedings of various bodies such as Board of Governors, the main executive body of the University, Finance Committee, Staff Affairs Committee through the progress reported by the Director on quarterly basis. Within the University the Director monitors the complete coordination through the proceedings of Planning and Monitoring Board, Senate and Building and Works committee through the meetings held on regular basis. Besides, the coordination is also monitored through the Management Review Committee/IQAC meetings held once a semester. The powers and functions of various bodies are well enunciated in the Rules which help the statutory bodies to exercise effective monitoring of the entire functioning of the University. The officers of the University have also been vested with extensive powers and functions as elaborated in the Rules of the University to closely monitor the internal coordination.

6.2.5 During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?

The details of the court case filed by and against are given below

Sl. No	Details of Court cases	Verdicts
1	Gangamma Vs Principal University College of Engineering Kakinada for an encroachment of land on southwest corner	Filed in Hon'ble High court of Andhra Pradesh . Proceedings in progress
2	Edgah Vs Principal University college of Engineering Kakinada for encroachment of land located on Pithapuram road	Filed in Hon'ble Wakf board, High court of Andhra Pradesh . Proceedings in progress

3	Shortage of Attendance cases filed by student requesting for permission to allow him / her to write semester examination , leading to detention	Filed in Hon'ble High court of Andhra Pradesh . All the cases the verdict supported University action of detention
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6.2.6 How does the university ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder-relationship?

The University has the Directorate of empowerment of Women and Grievances headed by a Director the following committees for the grievance of students and staff of the University:

For Students

(i) Students Consultative Committee

To obtain the students feedback, TU has a Students Consultative Committee (SCC) comprising of ex-officio faculty representatives and over 100 student representatives from across the various disciplines. SCC's objective is to assist the administration in preparing and implementing students' welfare plans. SCC meets at least twice a semester.

(ii) Student Counseling Cell

Student counseling helps the students in solving their specific problems related to academics, personal, psychological etc. so that they are able to achieve academic excellence, develop an integrated personality during their stay on the campus. The Counseling services cover all undergraduate and postgraduate students, with particular emphasis on improving academic performance of academically deficient students. Counselling cell is headed by Chief Student Counselor who is assisted by one student counselor from each department/school. For general counseling, students can approach Chief Student Counsellor or any member of counselling team with their problems. Professional Counselors are also engaged from time to time on need basis.

For Faculty and Staff

(i) Through Staff Affairs Committee

Staff Affairs Committee has been constituted to review the staff structure, suggestions regarding revision of cadre, creation of new posts, minimum qualification and experience

of staff including promotion cases, recruitment policies, procedure for recruitment and all other matters related to the staff of the University. There are three faculty representatives are the member of the SAC to directly discuss the “Staff Feelings” with the Chairman and MDC.

(ii) Policy to prevent Sexual Harassment

J N T University Kakinada is committed to creating and maintaining a community in which students, teachers and non-teaching staff can work together in an environment free of violence, harassment, exploitation, intimidation and stress. This includes all forms of gender violence, sexual harassment and discrimination on the basis of sex/gender or amongst the same sex members. It is looked after by Director of Empowerment of Women and Grievances headed by a Lady Professor.

Every member of the University should be aware that while the University is committed to the right to freedom of expression and association, it strongly support gender equality and opposes any form of gender discrimination and violence. All the complaints in this regard shall be made to the committee duly constituted.

(iii) Through Grievance Redressal Committee

A Grievance Redressal Committee has been constituted by the Board of Governors to address grievances of the faculty and staff of the University. Any employee of the University could address his grievance in writing to the Chairman of the Committee. The composition of Grievance Redressal Committee is as under :

- (a) One Professor of the University in rotation for a period of two years – Director
- (b) One Assistant/Associate Professor of the University in rotation for a period of two years – Coordinator

6.2.7 Does the university have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Yes, the University has established IQAC to have mechanism for analyzing institutional performance from the student feedback.

The results of the survey are analyzed by Coordinator through an online system who forwards the information to the heads of the academic units and individual faculty members. The Dean and Director counsels the faculty members wherever necessary and the departments use the feedback to make improvements wherever necessary.

6.2.8 Does the university conduct performance audit of the various departments?

Yes, the University has established, documented and implemented a Quality Management System. Continuous improvement in the implementation and effectiveness of the quality management system is ensured through continuous reviews and internal audits. The University has identified the processes needed for the quality management system and their application throughout the University. Documented procedures have been developed for the management activities, provision of resources, instructional design, delivery and control and measurement.

The University continually improves the effectiveness of the quality management system through the use of quality policy, quality objectives, audit results, analysis of data, corrective and preventive actions and management review. At the time of every management of review, through the measure of each objective and its comparison with earlier level of that objective, the trends are ascertained. Action points are then listed to continually improve the system. The status is reviewed in the subsequent management review meetings.

The University conducts internal audits every six months to verify whether quality managements system conform to the quality plan and to determine that it is effectively implemented and maintained. The review of the quality system is carried out once every six months to ensure continuing suitability, adequacy and effectiveness in satisfying the requirements of the standard and the quality policy of the University. The review includes assessing opportunities for improvement and the need for change to the quality management system.

The University ensures that each department and school set up its yearly target at the beginning of each academic year and the performance of the departments is then monitored periodically and corrective action plans are put in place wherever necessary.

6.2.9 What mechanisms have been evolved by the university to identify the developmental needs of its affiliated institutions?

The developments of the affiliated colleges are regularly monitored by the University by FFC visits. The University helps for the e-content development, faculty training, training for principal and consultations management. Awarding and rewarding of the merit students and faculty members.

6.2.10 Does the university have a vibrant College Development Council (CDC) / Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.

The following bodies are constituted under the Rules of JNTUK for governing the University and are involved in the activities enunciated:

Monitoring and Development Committee

The MDC is the highest body of the University. The MDC broad policies and programmes in respect of Academic, Administrative, Developmental, Financial and all the affairs of the University and suggests measures for the improvement and development of the University.

The MDC is responsible for direction, control the affairs of the University, exercise the powers of the University not otherwise provided in the MOA, Rules and Regulations.

College Academic Committee

The CSC has been constituted by the Board of Governors to discuss all the matter related to the faculty and staff of the University.

Senate

The Senate is the principal academic body of the University and exercise general supervision over the academic work, promote research work, maintain proper standards of examination and all the academic matters of the University.

Planning & Monitoring Board

The Planning & Monitoring Board has been constituted for preparing the development plans of the University, monitor the implementations of approved plans and schemes.

Building & Works Committee

The Building & Works Committee looks after the construction of all major and minor works under the direction of the Board.

6.3 Faculty Empowerment Strategies

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff?

The Directorate of Faculty Development of JNTUK has been set up to take care of the faculty empowerment strategies. The University has set high standards for imparting quality education and thus induct faculty with higher academic profiles, urge to excel in their respective fields and serve the students and the University with dedication and high quality standards.

All the faculty members inducted are qualified and competent teaching in all the academic courses.

Some of the faculty members recruited prior to this have been encouraged to register for PhD program at the University or other institutions of high repute. Most of these faculty members are at an advanced stage of completing their research work. The University has facilitated their work by giving them one to two semesters off on their request.

The University has established a Professional Development Allowance for a variety of academic activities for all levels and has encouraged faculty to participate in conferences, symposiums, workshops, training programs etc. The University provides seed money for organizing conferences and other faculty development programs to all academic units from time to time.

For the non teaching staff, the University has organized Computer proficiency upgradation programmes hands on experience on advanced equipment to achieve the desired standards and all the ministerial staff has been trained to handle computers for the routine jobs. The non teaching staff has been motivated and the self development achieved can be gauged from the higher qualifications attained by its staff during the last five years.

6.3.2 What is the outcome of the review of various appraisal methods used by the university? List the important decisions.

For J N T University Kakinada, the processes used to evaluate and provide feedback about the performance of the faculty working with us is extremely important. If these evaluation processes are properly designed, these can help the University thrive by providing appropriate rewards and encouragement for good performers, and guidance about how to improve their performance to others. The existing evaluation processes for

faculty did not appropriately make the distinction based on performance and may result in lower morale, engagement and productivity.

The University recognizes the importance of a faculty performance evaluation process that is fair and that provides productive and appropriate incentives to faculty. As a result, a new performance incentive scheme was designed to reward performers and encourage all others to improve their performance. No faculty performance review process can be free of issues or problems. Bearing this in mind, a committee was constituted to review the existing performance review system and recommend changes and policies to improve the process. The committee formulated a new Scheme for awards for excellence that is more transparent and better understood, more equitable, and provide more useful feedback to faculty members.

The implementation of this new scheme since last 5 years has enhanced morale, rewarded good performers, motivated and reinforced productive activity of faculty at JNTUK. The aim of the new evaluation process is to appropriately quantify the academic and research performance of all faculty members at J N T University Kakinada through a self appraisal system wherein marks are awarded for pre-defined activities of a faculty during an academic year (July 1 to June 30 next year). The marks are awarded for all activities of faculty which directly contribute to attaining the documented quality policy and objectives of the University. The method is devised in a way so as to eliminate/reduce subjectivity of measuring performance of a faculty. The goal is create a measure by which faculty can self assess its performance. The good performers are rewarded with incentive for that year.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

Medical reembursement facility, Cooperati Society loans, Training programmes, Compassionate appointments in genuine cases are provided to staff with approval and support from Government.

The University has organized Computer proficiency upgradation programmes for the ministerial staff to achieve the desired standards and all the ministerial staff has been trained to handle computers for the routine jobs. The non teaching staff has been motivated and the self development achieved can be gauged from the higher qualifications attained by its staff during the last five years.

6.3.4 What are the measures taken by the university for attracting and retaining eminent faculty?

- i) J N T University Kakinada has implemented enhanced pay structure for its employees. The pay structure at J N T University Kakinada includes Basic Pay, Dearness Allowance, PF Management Share, Transportation Allowance, Medical Allowance, Communication Allowance, Academic Allowance, HRA, and Professional Development Allowance (PDA).
- ii) J N T University Kakinada provides an additional incentive to its faculty members every year based on performance parameters.
- iii) J N T University Kakinada also offers other benefits to its faculty members. These are Gratuity, Leave Encashment, LTC, Group Medical Insurance and Children Education Allowance.
- iv) J N T University Kakinada offers 1% quota to the wards of its employees on merit basis.
- v) J N T University Kakinada offers full fee waiver for one child for education in TU and full fee waiver for second child on merit basis.
- vi) J N T University Kakinada offers an initial research grant up to Rs. 5.0 lacs to the faculty members.
- vii) J N T University Kakinada has a flexible cadre structure and pays all the allowances as per government of India allowance structure.

6.3.5 Has the university conducted a gender audit during the last four years? If yes, mention a few salient findings.

There is no formal gender audit conducted by the university however the university keeps the record of male and female students and staff every year. The current percentage of female students is 33 1/3 % approx. The recruitment is carried out maintaining roster points following government recruitment procedures. hence gender ratio is strictly maintained.

6.3.6 Does the university conduct any gender sensitization programmes for its faculty?

The University organizes special programmes for gender sensitization. The University is following an open and transparent system of selection purely based on merit for inducting

whether male or female. The cases the selection is carried out through an open advertisement followed by presentation interview / test respectively.

6.3.7 What is the impact of the University's Academic Staff College Programmes in enhancing the competencies of the university faculty?

Director of Faculty Development

As part of its contemporisation programme, JNTUK is establishing a Centre for Academic Practice and Student Learning (an equivalent of Academic Staff College) to expose the entire faculty to in-house modules during the next 3-5 years including e-Learning. The CAPSL unit at JNTUK will draw from academic staff across different disciplines with specific interest in and knowledge of different aspects of higher education pedagogy. The success of the unit lies in both the professionalism of the teachers and a university culture that promotes and supports teaching and learning development. CAPSL will have one senior academic developer and two e-Learning technologists: continuous professional development (CPD) modules and certified programmes will be delivered by CAPSL staff, which will be supported by JNTUK and Trinity academics and external staff.

A number of specific needs have been identified, as follows:

- ❖ Training of all JNTUK academic staff
- ❖ Awareness training of senior staff
- ❖ Training of trainers to enable self-sufficiency

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

The university has the Budgetary control system to monitor the effective and efficient use of financial resources. The Finance Committee has been constituted for preparing the Budget estimates and Annual Accounts of the University. The Finance Committee has fixed the limits of total recurring and non-recurring expenditures based on the income and resources of the University. The expenditure is periodically audited by internal, state and central audit department.

6.4.2 Does the university have a mechanism for internal and external audit? Give details.

Yes, the university have both internal and external Audit system. All voucher are internally audited before it is produced to Statutory Auditor. In addition, the university also has pre audit system in all its payment exceeding Rs 1,00,000/-.

6.4.3 Are the institution's accounts audited regularly? Have there been any major audit objections, if so, how were they addressed?

The accounts of the university are audited by an independent Chartered Accountant Firm.

No major audit objections were raised so far while audit.

6.4.4 Provide the audited income and expenditure statement of academic and administrative activities of the last four years.

6.4.5 Narrate the efforts taken by the university for resource mobilization.

1. Affiliations

2. Consultancy

3. Fees

As explained in point 6.4.1 the university has taken the following efforts for its resource mobilization:

- ❖ Following Budgetary control system and periodic comparison with actual and find the variances and control accordingly.
- ❖ Preparing periodic cash flow analysis.
- ❖ Comparing pay-back period with actual in case of capital expenditure.

The University has created new position at Dean level for Resource Mobilization.

6.4.6 Is there any provision for the university to create a corpus fund? If yes, give details.

Yes, the details of Corpus Fund duly audited by Chartered Accountant are enclosed herewith.

6.5 Internal Quality Assurance System

6.5.1 Does the university conduct an academic audit of its departments? If yes, give details.

Yes. An internal audit of each department is scheduled during each semester in which

faculty members from outside that department review the performance of the department during the last semester. The course files of all courses are scrutinized to verify all activities related to teaching learning and evaluation processes have been completed as per norms of the University. Discrepancies, if any, are reported in the form of non conformance report for which the department must submit a corrective action.

6.5.2 Based on the recommendations of the academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?

The non conformance reports raised by the internal auditors are reviewed during the management review (MR) meetings and if some of these have institutional impact, these are made known to all functional heads of the department. The procedures for teachers learning and evaluation are periodically reviewed to ensure strict compliance.

6.5.3 Is there a central body within the university to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Directorate of Academic and Planning

The University conducts internal audits every six months to verify whether quality managements system conform to the quality plan and to determine that it is effectively implemented and maintained. The scope covers all activities of the quality system affecting quality of instruction. This also includes the IMPACT activities and their effective implementation. The responsibility of scheduling internal quality audits lies with the M.R. The arrangements made for conducting internal audits are:

- ❖ Documented procedure for planning and implementing internal quality audits has been established and maintained.
- ❖ The frequency of the internal quality audits has been decided based on the status and importance of the activity but in no case the frequency shall be less than once in six months.
- ❖ The audit of an area/activity would be carried out by trained personnel other than those directly responsible for the said activity.
- ❖ The results of the internal quality audits are recorded and report is given to concerned functional Head.
- ❖ Timely action on the reported non-conformities is planned and taken by concerned
- ❖ functional Head.

- ❖ Follow-up audit is conducted in-order to verify and record the implementation and effectiveness of the corrective action(s) taken.
- ❖ The results of the internal quality audits are sent to M.R. for management review and record.

Management Review

The review of the quality system shall be carried out once every six months to ensure continuing suitability, adequacy and effectiveness in satisfying the requirements of the standard and the quality policy of the University. The review includes assessing opportunities for improvement and the need for change to the quality management system. Various leadership programmes have been conducted by the University from time to time to review the strategy of the University. Renowned experts have been invited to provide guidance and mentorship during these programmes.

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

The University has formulated a risk management strategy to identify and improve the teaching, learning and evaluation processes for each department, school and centre. This plan of action is reviewed every quarter and responsibilities for initiating actions have been clearly identified. The University Management Review meetings are held periodically. The University Risk Management (URM) sheets have been prepared by Heads and Deans.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the university for implementation?

The University has a Heads committee that continuously reviews the teaching learning processes along with the statutory bodies like senate and planning and monitoring board. The URM sheets explained in Section 6.5.4 covers the structure, methodology and outcome for all aspects of teaching learning processes.

6.5.6 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

The University has established, documented and implemented a Quality Management System. Continuous improvement in the implementation and effectiveness of the quality

management system is ensured through continuous reviews and internal audits. The University has identified the processes needed for the quality management system and their application throughout the organization process are being carried out in the University.

Documented procedures have been developed for the management activities, provision of resources, instructional design, delivery and control and measurement.

The University continually improves the effectiveness of the quality management system through the use of quality policy, quality objectives, audit results, analysis of data, corrective and preventive actions and management review. At the time of every management of review, through the measure of each objective and its comparison with earlier level of that objective, the trends are ascertained. Action points are then listed to continually improve the system. The status is reviewed in the subsequent management review meetings. The University conducts internal audits every six months to verify whether quality managements system conform to the quality plan and to determine that it is effectively implemented and maintained. The review of the quality system is carried out once every six months to ensure continuing suitability, adequacy and effectiveness in satisfying the requirements of the standard and the quality policy of the University. The review includes assessing opportunities for improvement and the need for change to the quality management system.

6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

All major decisions of IQAC are routed through the senate committees for implementation.

6.5.8 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?

Yes. The members contribute significantly to all discussions discussed during the meetings.

They share their experiences in improving various work situations and offer valuable suggestions in improving the teaching and learning processes.

6.5.9 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

No

6.5.10 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?

An internal audit of each department is scheduled during each semester in which faculty members from outside that department review the performance of the department during the last semester. The course files of all courses are scrutinized to verify all activities related to teaching learning and evaluation processes have been completed as per norms of the University. Discrepancies, if any, are reported in the form of non conformance report for which the department must submit a corrective action.

Any other information regarding Governance, Leadership and Management which the university would like to include.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the university conduct a Green Audit of its campus?

The campus spread around 100 Acres is green lush pasture having Mango plantation since 1940. The campus has around 600 fully grown Mango plantations with complete greenery, very conducive atmosphere for academics. The greenery houses many bird species visiting the campus. Different types of trees are numbered and where ever construction is proposed the site is selected such a way that very few trees require removal. The same is compensated with periodical augmentation with new saplings from time to time.

7.1.2 What are the initiatives taken by the university to make the campus eco-friendly?

a. Energy conservation

The segregation of the power cables was so carried out that no power is wasted. The grid pattern is adopted separating academic space with residential space and for every building circuit breakers are provided so that the power can be utilized or delinked when ever and where ever it is required.

b. Use of renewable energy

University adopted 125 KW Grid connected rooftop solar power plants under Off grid and decentralized Solar application schme sponsored by Ministry of New and Renewable Energy, New Delhi, Government of India. The project is taken with a total estimated cost of Rs 1.42 Crores. The solar initiation is proposed in five phases. Installation of 25KW systems has been commissioned on roof top of EEE, CSE, ECE buildings. Installation of the rest of the two is in progress.



c. Water harvesting

The campus adopts sprinkler procedure in large lawns and water is very judiciously used for plantation purposes. The land profile of the campus is very flat and the University

formation took place during 2008 and since then 23 buildings (different parts into which the works are divided) have been constructed and the construction activity is nearing completion. The proposal for suggesting comprehensive drainage system including rain water harvesting has been proposed and E procurement procedure need to be initiated to take up the activity.

d. Check dam construction

The profile of the campus is very flat and check dams will not be effective as there is no slope and possibilities of retaining water adopting check dams is marginal.

e. Efforts for Carbon neutrality

The campus has carbon credits club (<https://www.facebook.com/carboncreditclub/>), (<http://carboncreditclub.blogspot.in/>) In the process of building green india the club is experimenting the plan named “Green up the Celebrations” with an objective to take up celebrations like workshops, fests, seminars, to take up 9R’s (reuse, reduce, redesign, recycle). Several organization like Cerena Foundation and other reputed agencies conducted awareness programs in the University.



f. Plantation

The entire academic and hostel buildings in the campus are provided with gardens allround the buildings with an intention to improve the ambience of the campus. Several Mango and other shade giving plantation is taken up at appropriate places in the campus. All efforts are in progress to develop spaces between buildings into green pastures. Nakshtravanam and other lawns were constructed. Student and children amenities parks with an estimated cost of Rs 34 Lakhs is in progress.



g. Hazardous waste management

All efforts are taken up to minimize hazardous wastes in the campus. The paper cups and plates are being used, replacing plastic utilities for dining.



h. e-waste management

e-waste pertaining to old plastics from Computer cabinets, printers, airconditioners, cartridges, laboratory waste is preserved at one point and periodically disposed off by auctioning from time to time.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the university.

- ❖ Transparency in Administration
- ❖ Accountability and Adaptability of the Administration
- ❖ Motivation of the Employees for development leading to wholistic growth
- ❖ Focus on improving infrastructure in University and constituent college campuses
- ❖ Online administration and monitoring affiliated engineering college including conducting examination
- ❖ Ability to handle CET examinations like EAMCET and PG CET efficiently supporting AP government in Higher Education
- ❖ Promoting Teacher Training programmes to improve teaching skills and methodologies in newly joined teachers in all affiliated engineering colleges
- ❖ Effective measures adopting research methodologies to improve research culture among Ph.D students

- ❖ Choice Based Credit system, Outcome Based Education and Massive Online Open course adopted by University
- ❖ Periodical upgradation of regulations abreast to industry requirements. R10, R13 and proposed R16 regulations.
- ❖ Promoting latest generation courses

7.3 Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the university.

Format for Presentation of Best Practices

1. Title of the Practice

Infrastructure Development in University College of Engineering Kakinada and Vizinagaram campuses.

2. Objectives of the Practice

What are the objectives / intended outcomes of this "best practice" and what are the underlying principles or concepts of this practice (in about 100 words)?

JNTU Kakinada took birth in 2008 elevating the erstwhile College of Engineering Kakinada existing from 1946. The college of engineering campus has Principals office, Office, Academic buildings and 4 hostels one accommodating girls students and another 3 accommodating boys hostels. After formation of the University the first and the foremost challenge has been improving the infrastructure facilities to accommodate University Administration and Academic Buildings in the limited 108 acres of space.

The prime objective is to adopt procedures which are in order and take up the activity maintaining quality of construction, meeting timelines and adopting best technology and to meet the demand of shortage of academic and other infrastructure necessities in shortest time.

3. The Context

What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?

Immediately after formation during 2008 the University applied for 12B status and 2F status and the significant remark is the shortage of infrastructure

The challenging issues for taking up the activity are

- ❖ Preparing necessity document and planning buildings
- ❖ Take approval from the competent authority like Ministry of Higher education
- ❖ Preparing estimates and structural designs for the buildings
- ❖ Advertise in national news papers and adopting E- procurement procedures

- ❖ Identifying the agency and taking up the construction work
- ❖ Conduct Quality Control of the works by the department and periodically prepare documentation

In case of conventional universities having no backup support of the Civil engineering department the institutes outsource the services for construction of the buildings by external agencies. In the practice an engineering department is established with minimum staff consisting of two Assistant Executive engineers and later availing the services of two deputy executive engineering's on deputation

4. The Best Practice-I

Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?

The following infrastructure was developed in a shorter time so as to enable administration of the 260 affiliated engineering colleges brusquely transforming into an able university leading to service and development in higher education in record time

SNO	Name of the Building	Area in SFT	Amount in Lakhs
Kakinada Campus			
1	Construction of VC's Lodge	5423.00	60.00
2	Construction of Modern Indoor Sports Pavilion	21304.80	370.00
3	Construction of SC/ST Hostels for Girls	14946.89	251.80
4	Construction of Principals office	11943.60	120.00
5	Construction of Basic Science and School of Management Studies building	26631.00	367.00
6	Construction of B-2 Staff Quarters	21520	340.00
7	Construction of University Central Library Building	41103.00	597.00
8	Construction of Engineering Department & Hostel Office building	13988.00	201.00
9	Construction of Dispensary Building	4196.40	82.27
10	Construction of Women's Hostel	9318.16	167.00
11	Construction of Hostel for Boys	12912	231.00
12	Construction of Examinations Shed	9221.32	108.00
13	Construction of C-type Staff Quarters	7209.20	115.50
14	Construction of Institute of Science and Technology building	26631.00	379.50
15	Construction of Students Amenities building	26900.00	597.00
16	Construction of Innovation Research Center building	22596.00	350.00
17	Construction of Exam Branch	31634.40	450.00
18	Construction of Second floor Over Civil Engg dept	7779.48	77.00

19	Construction of Second floor over EEE dept	7618.08	79.50
20	Construction of Second floor over ECE dept	7962.00	80.50
21	Construction of Second floor over Guest House	5961.00	75.00
22	Construction of 2 nd Floor over Narendra Hostel	19023.00	130.00
23	Construction of SC/ST Book bank over Canteen building	1872.24	26.10
24	Construction of Petroleum and Petro Chemical Engineering building	26631.00	367.00
25	Construction of A Type Staff Quarters	53262.00	383.00
26	Construction of Food Technology building	13234.80	185.00
27	Construction of 1 st Floor over existing Reading and Recreation room in Nagavali Girls Hostel	2012.12	30.00
28	Construction of Toilet Blocks for Narendra Hostel	5000.00	71.50
29	Construction of Guest House	11922.00	75.00
30	Construction of Pharmacy building	26631.00	379.50
31	Construction of Second floor over Mechanical Engineering Dept	7908.00	89.00
32	Construction of Second floor over Nagavali Girls Hostel	19701	212
33	Construction of Second floor over CSE Dept	7962.00	100

Vizianagaram Campus			
1	Construction of Library Block	30181.80	435.00
2	Construction of Ground Floor Building for Dispensary	3809.04	73.61
3	Construction of Estate Office Building	2399.48	48.00
4	Construction of Canteen Building	1065.24	18.00
5	Construction of New PG Hostel building	86445.84	1270.00
6	Construction of A- Type Staff Quarters	19805.50	350.00
7	Construction of Sports Complex cum Students Amenities building	34216.80	253.00
8	Construction of Academic Block	76546.64	210.00
9	Construction of Boy's Hostel-II	86445.84	825.00
10	Construction of First floor over existing research facilities building	16570.40	110.00
11	Construction of Academic Block-II	71155.88	490.00
12	Construction of Staff Quarters first & second floor	19805.50	195.00
13	Construction of Production Technology Lab	5293.92	30.00
14	Construction of Machine Lab	5293.92	30.00
15	Construction of EM Lab	4519.20	20.00
16	Construction of Guest House	6369.92	80.00
17	Construction of Research facilities building Ground Floor	16570.40	99.90

Limitations

The major constraint is finances as no development grants are allocated from the Government towards infrastructure development due to its limitations after state separation. The revenue is generated by University in following ways

- ❖ Services offered to affiliated engineering colleges under university jurisdiction
- ❖ Internal revenue generation from Industrial Consultancy services
- ❖ Revenue generated in conducting several competitive examinations like common examination CETs EAMCT, PG CET, examinations to government organizations like APGENCO.
- ❖ Initiation collaborative programs like Integrated International Master Degree Programmes, Part time Post graduate programmes,

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words.

Adopting the official prescribed procedures and meticulously following time schedules the University could overcome shortage of infrastructure especially academic space and finally residential space to students etc.

Scrupulous planning lead to identification of requirement of academic space for each programme, Planning Designing and architectural rendering depending upon the requirement, Carrying out structural designs and verification by the expert faculty in departments, adopting E procurement, meticulous monitoring of the targets and benchmarks the campuses could be transformed into University status.

All the procedures adopted are subjected to auditing by state and central audit and adhering to procedures resulted in error free, foolproof methods adopted, Quality control mechanism resulted in change in campuses, which at one time are operated in private buildings.

The infrastructure developed was planned in such a way that marginal or almost nil depletion of natural resources like minimizing felling of trees, modifications in planning wherever environment need to be given more importance. The campus is being converted into lively academic compounds with greenery in and around the academic buildings taken up simultaneously with building construction. The buildings are planned by architects to ensure green building concepts with ventilation and maintaining natural atmosphere.

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources required to implement the practice (in about 150 words).

The major problem encountered with taking up huge infrastructure is shortage of monetary resources which could be overcome by university revenue generated by extending services to affiliated engineering colleges.

The second challenge is to obtain permissions for taking up the projects from the government which could take place due to encouragement and special interest rendered by Ministry of Higher Education, Government of Andhra Pradesh. Every project taken up had prior sanction and approval in Governing body and the role of government in encouragement during the progress of the work is commendable.

Shortage of availability resources like river sand for a considerable period and resources was a huge challenge during major projects those have been progressed with lot of difficulty

7. Notes

Optional. Please add any other information that may be relevant for adopting/ implementing the Best Practice in other institutions (in about 150 words).

The presence of engineering department was fully utilized without depending on outside agency for effective implementation which lead to successful results.

The details of the infrastructure will be submitted in separate presentation during the visit of the inspection team.

Best Practice –II

1. Title of the Practice

Conduct of Massive University Examinations Ensuring Confidentiality, Speed and Security among one Lakh students in 260 affiliated engineering colleges of Andhra Pradesh.

2. Objectives of the Practice

What are the objectives / intended outcomes of this "best practice" and what are the underlying principles or concepts of this practice (in about 100 words)?

The following objectives are taken up in examination. Online announcement of Examinations, preparing Time Tables for test schedules, take up registration of Massive students, Verification of eligibility of the student like attendance, Preparation of 4 sets of examination pertaining to each subject with a total of 4000 question Paper preparation, Moderation elimination of mistakes and inconsistent data, Conduct of Online examination adopting Electronic Distribution of Examination Practice, Conduct of examination swapping faculty among Examination centers in each college, Pooling up of the Examination scripts in 30 spot centers swapping the scripts, Coding of the scripts, Arranging Experts for valuation at spot centers with monitoring mechanism like Spot Superintendents, Subject Supervisors, Collection of Internal Marks from affiliated

engineering colleges, Mapping coded scripts to student and incorporating moderation and normalization and declaration of results in time.

3. The Context

What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?

Handling such activity of huge magnitude and importance is a credit to the University. The University mastered handling answer scripts of students in very efficient manner. No where since formation there are any cases of missing scripts or mishandling of the procedure. The challenging issues in conduct are

- ❖ Online Registration for examination
- ❖ Question paper setting following regulations and syllabus
- ❖ Coding the scripts to maintain confidentiality
- ❖ Evaluation of papers by experienced teachers
- ❖ Declaration of results in time
- ❖ Issue of Marks Memos, Provisional Certificates, Original degree certificates in time with all updated security features

4. The Practice

Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?

JNTUK is contributing to quality evaluation of about one Lakh students pertaining to 260 affiliated engineering colleges located in eight districts of its jurisdiction located along 1000KM in Andhra Pradesh. The University developed fool proof examination system to take up activity of massive examination involving faculty both from constituent engineering colleges but also with senior faculty in Affiliated engineering colleges.

The total number of paper set for IV Year B.Tech are (15 Branches having 6 Subjects consisting of 4 sets) will be 360 for one regulation of one Semester. Considering the 3 regulations the number of papers set were 1080 papers. Considering all 4 years the total of 4320 papers were set every semester excluding Post graduate (M. Tech MCA, MBA and M. Pharmacy, MS) and B. Pharmacy.

Several Constraints will come into picture like handling huge loads of Answer scripts, transportation, identification of qualified and experienced valuers, maintaining time schedules and avoiding malpractices at several places.

Several austerity measures have been taken to carryout foolproof conducted of examinations .

- ❖ Grills Provided at 9 Location preventing entry from multiple directions
- ❖ C C Cameras are placed at key locations which can be viewed by University administration including the Vice Chancellor directly from his chambers.
- ❖ E-Procurement for Biometric Devises issued committee Constituted and finalization of tenders in progress
- ❖ Verification of 3 Lakhs (All years) coded scripts of all years carried out randomly for identification of malpractices
- ❖ Lady Security provided for verification of Female staff working in examination section
- ❖ All the staff members (Data Entry staff, Coding Team supervisors, Coding team assistants) earmarked for all ACEs year wise
- ❖ Entry to staff allocated for 1st year valuation to enter 2nd year valuation area and vice versa restricted.
- ❖ Every room in which the coding activity in progress will be sealed by ACEs / Regular office staff every evening
- ❖ All Internal marks / laboratory Marks of the examination from affiliated colleges collected before commencement of End Examinations
- ❖ Parking vehicles near examination section restricted
- ❖ Listing of activity of each ACEs and Accountability / involvement at each phase of valuation
- ❖ Regular office staff assigned responsibility of preparing attendance statements of adhoc staff
- ❖ Prevent Attenders from Using Cell Phones

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words.

Adopting the above measures meticulously planning scheduling, Conduct and announcing the results the following success could be achieved

Complete control over control of examination

Continuous organized monitoring at test centers

Minimizing malpractices adopting strict malpractice guidelines and imposing promotions

Accountability to student with chance of revaluation and challenge valuation

Modifying the Marks memos with all security features from time to time avoiding duplicates
Result in Issue of genuinity certificates in time to all Universities abroad, Public and Private
organizations confirming the credentials to have placements without delay.

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources required to implement the practice (in about 150 words).

Considering the magnitude of the work involved the mistakes have been crept only in 6 papers which can be considered as negligible though University wishes to have error free examinations.

7. Notes

Optional. Please add any other information that may be relevant for adopting/ implementing the Best Practice in other institutions (in about 150 words).

With the above expertise JNTUK could comfortably take up Common Admission Tests (CETS) like EAMCET (Engineering and Medical Common Entrance Test) and PG CET (Post Graduate Common Entrance Test) assisting Andhra Pradesh Government for timely conduct of prestigious examinations efficiently contributing to social needs other than Regular University Examinations.

INSTITUTE OF SCIENCE AND TECHNOLOGY
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA

SCHOOL OF AVIONICS

1. Name of the Department : Avionics
2. Year of establishment : June 2011
3. Is the Department part of a School/Faculty of the university?
Institute of Science & Technology, JNTUK
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
PG – M.Tech
5. Interdisciplinary programmes and departments involved
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programmes discontinued, if any, with reasons
Not Applicable
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester
9. Participation of the department in the courses offered by other departments
Nil
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS&MPS)
Professor	--	--	--
Associate Professors	--	--	--
Asst. Professors	--	--	--
Others	--	--	--

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of M.Tech students guided
M. Srinivasa Prabhakar	M.Tech	Programme Director	Advanced Electronics	30 years (industry), 6 years (Academic)	20
K David Solomon Raj	M.E	Assistant Professor (C)	AVIONICS	More than 3 years	11
M. Silambarasan	M. Tech	Assistant Professor (C)	AVIONICS	More than 2 years	11

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Mr. Appuswamy

13. Percentage of classes taken by temporary faculty – programme-wise information
100%

14. Programme-wise Student Teacher Ratio
8:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual
2 – Temporary Administrative staff

16. Research thrust areas as recognized by major funding agencies
Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.
Nil

18. Inter-institutional collaborative projects and associated grants received
- | | |
|---------------------------|--------------------------------|
| a) National collaboration | b) International collaboration |
| Nil | |
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
- Nil
20. Research facility / centre with Nil
- ❖ state recognition
 - ❖ national recognition
 - ❖ international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies
- ONE
22. Publications:
- Number of papers published in peer reviewed journals (national / international)
- 13
- Monographs NIL
- Chapters in Books NIL
- Edited Books NIL
- Books with ISBN with details of publishers NIL
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) NIL
- Citation Index – range / average - Not applicable
- SNIP - Not applicable
- SJR - Not applicable
- Impact Factor - 1.5
- h-index
23. Details of patents and income generated
- Nil

24. Areas of consultancy and income generated
Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
Nil
26. Faculty serving in
a) National committees b) International committees c) Editorial Boards d) any other (please specify)
Nil
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
Workshop and Training Programs attended at UCEK
28. Student projects
- ❖ percentage of students who have done in-house projects including inter-departmental projects
20% JNTUK Kakinada
 - ❖ percentage of students doing projects in collaboration with other universities / industry / institute
80% Industry
29. Awards / recognitions received at the national and international level by
- ❖ Faculty - Nil
 - ❖ Doctoral / post-doctoral fellows - Nil
 - ❖ Students - Nil
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any –
Nil

31. Code of ethics for research followed by the departments -

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Tech	>25	16	8	100	100

33. Diversity of students

Name of the Programme	% of the students from the same university	% of the students from other universities within the state	% of the students from universities outside of the state	% of the students from other countries
M.Tech	71	21	8	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

12 Students GATE

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
Campus selection	Cyient (Infotech) – 5
Other than campus recruitment	TCS - 9
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	0
from other universities within the State	0
from universities from other States	100
universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period –
Nil
38. Present details of departmental infrastructural facilities with regard to
- a) Library - Not available
 - b) Internet facilities for staff and students - Available
 - c) Total number of class rooms – 01
 - d) Class rooms with ICT facility - Nil
 - e) Students' laboratories - 1
 - f) Research laboratories – **Nil**
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university - Nil
 - b) from other institutions/universities - Nil
40. Number of post graduate students getting financial assistance from the university.
Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
Yes, sponsored by Infotech
42. Does the department obtain feedback from
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
Yes, by implementing Suggestions
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Yes, implement appropriate measures
 - c. alumni and employers on the programmes offered and how does the department utilize the feedback?
Yes, by incorporating their suggestions and taking up necessary changes

43. List the distinguished alumni of the department
Nil
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
1. Mr. Paul Russel, Air India
 2. Mr. VPS Naidu, NAL
 3. Mr. Vivek Sharon, Cyient
 4. Mr. RS Rao, ex-ADA
 5. Mr. V Nagarajan, ex-HAL
45. List the teaching methods adopted by the faculty for different programmes.
Through Multimedia Presentation
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
By constantly monitoring and improving the functioning of the Department.
47. Highlight the participation of students and faculty in extension activities.
Raised Funds for Chennai Floods.
48. Give details of “beyond syllabus scholarly activities” of the department.
Arranged Summer Internships at Begum pet Airport and NAL Bangalore
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
Avionics course at PG level – unique in Andhra Pradesh.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. Program Director & HOD – rich experience in Avionics industry
2. Faculty from core Specialization of Avionics
3. CYIENT Sponsorship
4. Industry Support – Cyient, HAL, RCI, NAL
5. Good Discipline in conducting the course

Weaknesses

1. Research Activities
2. Infrastructure
3. Practical Exposure to Students
4. Software exposure
5. Public awareness of the course

Opportunities & Challenges

1. Growing Industry
2. Placements
3. Internship
4. Collaboration

52. Future plans of the department.

1. improve the curriculum
2. funded projects
3. Research Activities
4. 100% Placement

SCHOOL OF BIOTECHNOLOGY

1. Name of the Department School of Biotechnolog
2. Year of establishment 2009
3. Is the Department part of a School/Faculty of the university?
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters;
Integrated Ph.D., D.Sc., D.Litt., etc.) M.Tech, Ph.D
5. Interdisciplinary programmes and departments involved
Nanotechnology & Pharmacy
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Biotechnology ;Venkyparenterals, Yanam
7. Details of programmes discontinued, if any, with reasons Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Yes
9. Participation of the department in the courses offered by other departments Nil
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate
Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS&MPS)
Professor	--	--	
Associate Professor	--	--	
Asst. Professors	1	1	
Others		2	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M. Tech students guided
Dr. Ramesh Malothu	M.Tech, Ph.D	Assistant Professor	Biotechnology	10	2

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors Dr. U.N. Das
13. Percentage of classes taken by temporary faculty – programme-wise information
M.Tech.Biotech 75%
14. Programme-wise Student -Teacher Ratio 7:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual
16. Research thrust areas as recognized by major funding agencies
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2013-14	DST	25,40,000	21,20,000
Minor Projects	-	-	-	-
Interdisciplinary Projects	2012-15	UGC & DST	5,80,00,000	5,35,00,000
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	2013-14	CSIR	3,00,000	3,00,000
Students research projects	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	6,08,40,000	5,59,20,000

18. Inter-institutional collaborative projects and associated grants received
a) National collaboration yes b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

DBT 6,40,00,000/-

20. Research facility / centre with

- ❖ state recognition YES
- ❖ national recognition YES
- ❖ international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies
NIL

22. Publications:

- ❖ Number of papers published in peer reviewed journals (national / international) 32
- ❖ Monographs
- ❖ Chapters in Books 14
- ❖ Edited Books 9789383038381;
SIRI Publications
- ❖ Books with ISBN with details of publishers
- ❖ Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- ❖ Citation Index – range / average SNIP
- ❖ SJR
- ❖ Impact Factor – range / average 2.26
- ❖ h-index 2

23. Details of patents and income generated

National Patents	Income
4	NIL

24. Areas of consultancy and income generated Godavari

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad Nil

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Editorial board	4
Reviewer board	2

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects 30%
- percentage of students doing projects in collaboration with other universities / industry / institute 70%

29. Awards / recognitions received at the national and international level by

- Faculty Young Scientist award 2013
- Doctoral / post doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any. DST

31. Code of ethics for research followed by the departments

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male .	Female
M.Tech(2010-2015)	100	35	47	87%	90%
PhD	48	8	15	--	--

33. Diversity of students

Name of the Programme	% of the students from the same university	% of the students from other universities within the state	% of the students from universities outside of the state	% of the students from other countries

M.Tech	--	85%	12.5%	2.5%
PhD	--	74%	26%	--

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NET	2
GATE	17
SET	1

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	Nil
PG to Ph.D.	14%
Ph.D. to Post-Doctoral	Nil
Employed	30%
Campus selection	9%
Other than campus recruitment	25%
Entrepreneurs	2%

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	0
from other universities within the State	66.7%
from universities from other States	33.3%
universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period 1

38. Present details of departmental infrastructural facilities with regard to

- Library 400 Reference books, 330 issue books
- Internet facilities for staff and students Yes
- Total number of class rooms 2
- Class rooms with ICT facility
- Students' laboratories 1
- Research laboratories 1

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university 1
- b) from other institutions/universities 5

40. Number of post graduate students getting financial assistance from the university.
Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

42. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes- Developing the curriculum in Board of Studies meetings

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes - Educational videos

- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes –Improving placements

43. List the distinguished alumni of the department (maximum 10)

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. 2

45. List the teaching methods adopted by the faculty for different programmes.

Classroom Lectures

E-Learning

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- ❖ Surprise Tests
- ❖ Group discussions
- ❖ Seminars

❖ Assignments

47. Highlight the participation of students and faculty in extension activities.

❖ Blood donation campaign

❖ Awareness on HIV-AIDS

48. Give details of “beyond syllabus scholarly activities” of the department.

❖ R&D

❖ Organizing workshops and symposiums

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. AICTE

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. Research

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths	Well established Laboratory, Highly Qualified faculty, Departments holds projects funded by DST, DBT & UGC
Weakness	Lack of Permanent faculty
Opportunities	To work on real time health, agricultural problems
Challenges	Scale up of academic research to real time utilization

52. Future plans of the department.

❖ Introduction of B.Tech Biotechnology

❖ Research collaboration with Industries

SCHOOL OF NANOTECHNOLOGY

1. Name of the Department: School of Nanotechnology
2. Year of establishment : 2012
3. Is the Department part of a School/Faculty of the university?
Part of IST (Institute of Science and Technology), JNTUK, Kakinada.
4. Names of programmes offered: M.Tech; Ph.D (started in 2015)
5. Interdisciplinary programmes and departments involved? NIL
6. Courses in collaboration with other universities/Industries/Foreign institutions? NIL
7. Details of programmes discontinued, if any, with reasons? NIL
8. Examination System: Semester System
9. Participation of the department in the courses offered by other departments?
Mechanical Engineering
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor			1 (Supervision from Mechanical Engineering)
Associate Professors			-
Asst. Professors			2 (On Contract Basis)
Others			DST-INSPIRE Faculty Fellow

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Tech students

					guided
Dr. A. Gopala Krishna	M.Tech, Ph.D	Professor & Head of the Department	Mechanical Engineering	17	10-M.Tech Students
P. Srinivasa Subba Rao	M.Sc, M.Tech (Ph.D)	Assistant Professor (Contract)	Physics, Nanotechnology	7	5 - M.Tech Students
P.V.S.S. S. Rao	M.Sc, M.Tech	Assistant Professor (Contract)	Physics, Nanotechnology	10	2 - M.Tech Students
Dr. Ch. Kiran Kumar	M.Sc, Ph.D, Postdoc (South Korea)	DST-INSPIRE Faculty Fellow	Materials Science & Engineering; Materials Chemistry	3.5 years (post-Ph.D Experience)	4 - M.Tech Students

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Visiting Fellow (from DST, Department of Science & Technology)	Designation	Tenure Period
Dr. Ch. Kiran Kumar	DST-INSPIRE Faculty Fellow	Aug/2013 – Aug/2018

13. Percentage of classes taken by temporary faculty – programme-wise information:

At present, the department has only temporary faculty. Hence all the classes have been taken by the temporary faculty.

14. Programme-wise Student Teacher Ratio: **6/1**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : 2 members support from IST, JNTUK

16. Research thrust areas as recognized by major funding agencies

- ❖ Nanomaterials for Photovoltaic Devices (Solar Cells)
- ❖ Nanomaterials Synthesis & Characterization for Photo catalysis
- ❖ Nanometal Matrix composites

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. No	Number of Faculty with ongoing projects	Funding Agencies		Total Grants Amount (Rupees)
		National	International	
1	1 (Dr. Ch Kiran Kumar, DST-INSPIRE Faculty)	Two Agencies 1.DST 2. DST-SERB	NIL	1, 12, 16, 800/-

Details of Projects:

S. No	Title	Sponsoring Agency	Period	Amount (Rupees)
1	Low cost and Eco friendly Cu ₂ ZnSnS ₄ Solar cells Fabrication.	DST-INSPIRE Faculty Program	Aug - 2013 to Aug - 2018 & 5 years	86,16,000/- (Fellowship- 51,16,000/- and Research Grant- 35,00,000)
2	Synthesis Chalcogenide Semiconductor Nanoparticles for Energy Applications	DST-SERB Start-Up Research Grant	Aug -2015 to Aug - 2018 &3 years	26,00,000/-
Total				1,12,16,800/-

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration: NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: NIL

20. Research facility / centre with

Research Facility	State Recognition	National Recognition	International Recognition
Simulation Lab: ARGUS Lab (For Practice)			
Wet Chemical & Instrumental Nonmaterial's Synthesis Lab: <ul style="list-style-type: none"> • Well established Chemical Wet Bench • Fume Wood – 2 • Probe Ultra Sonicator 			

<ul style="list-style-type: none"> • Spray Pyrolysis • Ball Milling • Spin Coating • Thermal CVD • Muffle Furnace 			
Nanomaterials Characterization & Analysis Lab: <ul style="list-style-type: none"> • Raman Spectroscopy • UV-Vis Spectroscopy • Nanoparticle Size Analyser • Zeta –Potential • DSC 			

21. Special research laboratories sponsored by / created by industry or corporate

Bodies: NIL

22. Publications:

Publications	No.
National	1
&	14
International Papers	
Conferences/Workshops	28
Patents	-
Monographs	-
Chapters in Books	-
Edited Books	-
Books with ISBN with details of publishers	-
Number listed in International Database	3
Citation Index – range / average	66
SNIP	2
SJR	3.14
Impact Factor – range / average	2
h-index	4

23. Details of patents and income generated: NIL

24. Areas of consultancy and income generated: NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad: Two Faculty members nationally visited the R&D Laboratories

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other: NIL

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, Workshops, training programs and similar programs): NIL

28. Student projects

- ❖ Percentage of students who have done in-house projects including interdepartmental projects: 40%
- ❖ Percentage of students doing projects in collaboration with other universities / industry / institute : 60%

29. Awards / recognitions received at the national and international level by

	Name of the Awardees	National	International
Faculty	Ch. Kiran Kumar	<ul style="list-style-type: none"> • CSIR-NET Awarded JUNE 2006 • DST-INSPIRE Faculty Award • DST-SERB Young Scientist Award 	<ul style="list-style-type: none"> • Best oral presentation award in the conference of BK-21, Chungnam National University, 2011. • Best oral presentation award in the conference of Materials Research Society of Korea, South Korea, 2009. • Brain Korea-21 Graduated student Fellowship, South Korea, (2007- 2011). • Brain Korea-21 Post-doctorate Fellowship, South Korea Government of South Korea, (2012- 2013).
Doctoral / post doctoral fellows		NIL	NIL

Students		NIL	NIL
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30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any : NIL

31. Code of ethics for research followed by the departments

The institute upholds the high ethics with regard to research.

- ❖ Regular classes on Values and Ethics in profession are conducted as a part of the research curriculum.
- ❖ The institute takes all the precautions to check the plagiarism before a research scholar submits his work for a publication or the award of degree. The anti-plagiarism software, “Turn-it-in” is being used for the purpose.

.32. Student profile programme-wise:

Name of the Programme	No. of Admissions		Selected		Pass percentage (%)	
	Academic. Year	No.	Male	Female	Male	Female
M.Tech	2012 - 2013	23	15	8	100	100
	2013 - 2014	19	13	6	100	100
	2014 -2015	19	12	7	91	100
	2015 -2016	18	15	3	-	-
Ph.D			NIL		NIL	

33. Diversity of students

Name of the Programme		% of students from the same university	% of students From other universities within the state	% of students from universities outside the state	% of students from other countries
M.Tech	2012 -13	78.2	17.3	4.5	-
	2013 -14	73.5	21.5	-	-
	2014 -15	100	-	-	-
	2015 -16	83.5	11.1	5.4	-
Ph.D		-	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations,

NET, SET, GATE and other competitive examinations? Give details category-wise.

Name of the Programme	M. Tech Students			
	2012-13	2013 -14	2014 -15	2015 -16
Civil Services	-	1	-	-
Defence Services	-	-	-	-
NET	-	-	-	-
SET	-	-	-	-
GATE	14	15	15	15
Others (S.S.C exam)	-	1	-	-

35. Student progression

Student progression		Percentage against enrolled		
UG to PG (M.Tech)		NA (Not Applicable)		
PG (M.Tech) to M.Phil.		NA (Not Applicable)		
PG to Ph.D		34%		
Ph.D. to Post-Doctoral		Nil		
Employed	Campus selection	2012-13	2013-14	2014-15
		13%	16%	31.5%
	Other than campus recruitment	30%	21%	11%
Entrepreneurs		Nil		

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	-
from other universities within the State	67%
from other universities from other States	-
from universities outside the country	33%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the Assessment period? Nil

38. Present details of departmental infrastructural facilities with regard to

Departmental infrastructural facilities	Details
a) Library	Central library in IST for technological courses, JNTUK
b) Internet facilities for staff	Internet and Wi-Fi facility is available within the

and students	department
c) Total number of class rooms	Two class rooms and one Simulation room for learning advance softwares in Nanotechnology
d) Class rooms with ICT facility	One class room is situated in IST, JNTUK for all technological courses
e) Students' laboratories	3 students Laboratories a. Simulation Lab, b. Wet chemical Synthesis Lab, c. Characterization and Analysis Lab
f) Research laboratories	Advanced NanoSemiconductors Lab [Dr. Kiran Kumar, DST- INSPIRE Faculty (In Progress)]

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university: NIL
- b) from other institutions/universities: NIL

40. A Number of post graduate students getting financial assistance from the university:

30% of the post graduate students are getting fee reimbursement from the State Government of Andhra Pradesh.

41. Was any need assessment exercise undertaken before the development of new Programme? If so, highlight the methodology.

As Nanotechnology finds numerous applications in almost all branches of science and engineering, there was a thorough assessment exercise with the other branches.

42. Does the department obtain feedback from

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, Often the Head of the department takes the feedback from the faculty about the students learning skills and their ability to grasp the subject. The department motivates faculty members to serves as facilitator, prompting and probing to ensure the discussion remains focused and objectives are met.

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- ❖ Students feedback is noted at the end of every semester for the faculty's appraisal and for corrective actions.
- ❖ The HOD goes on rounds and randomly chooses a class to monitor the quality of teaching.

- ❖ Corrective and preventive actions are taken through discussions in department meetings.
 - ❖ After the result analysis at the end of each semester, the student performance in each subject is analyzed and whenever the performance is to be improved, the teacher-in-charge is mentored by the head.
 - ❖ Evaluation is done by comparing the teaching process with the laid down methods documented.
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?
- ❖ Department takes feedback from Alumni members for enhancing the level of standard and increasing the research facilities of the department to initiate more job opportunities to the current students

43. List the distinguished alumni of the department (maximum 10):

Nanotechnology department came into existence only in the year 2012; only 3 academic batches were relieved.

44. Give details of student enrichment programmes (special lectures / workshops / Seminar) involving external experts.

Sept 2014: Special lecture from Dr. M. Eswaramoorthy, ARCI, Hyderabad on Photovoltaic Solar cells

45. List the teaching methods adopted by the faculty for different programmes.

The following teaching methods are being adopted:

- ❖ **Classroom Response Systems** – Classroom response systems promise numerous benefits in classes, including improved student engagement, enhanced formative feedback for faculty, easy quizzing tools, even a means to take attendance. Faculty are employing these systems to gather individual responses from students or to gather anonymous feedback.
- ❖ **Demonstration** - Faculty show how a skill should be performed or students are observed as they perform a skill.
- ❖ **Discussion** - Formal or informal discourse on topics usually primed by leading and/or open-ended questions in advance research topics.

- ❖ **Graphic Organizers** – To clarify relationships with diagrams or graphs. Flow charts are also being used.
- ❖ **Lecture** - Active lectures blend 10-15 minute presentation segments with interactive experiences such as asking thought provoking questions and class or small group discussions.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- ❖ The institution monitors the performance of the students and ensures the achievement of learning outcomes in the following ways:
- ❖ Attendance records for the semester are displayed on the departmental notice boards. 75% attendance is mandatory for any student to take the end-semester exams.
- ❖ End examinations are conducted every semester and the results are displayed on the departmental notice boards.
- ❖ Seminars held at the level of the department enable the students to make use of technology. Instant feedback is given the faculty to make them aware of their shortcomings.
- ❖ The answers scripts are also shown to the students to help them to analyze their mistakes.
- ❖ Continuous and comprehensive evaluations of students are performed by the class representatives.
- ❖ Assignments and projects work are evaluated by the teachers and the necessary suggestions are given to the students.
- ❖ Tutorial and remedial classes are conducted for slow learners.

47. Highlight the participation of students and faculty in extension activities.

48. Give details of “beyond syllabus scholarly activities” of the department.

- ❖ Department encourages the faculty and the students to visit National wide Industrial and R&D institutes. The Department also encourages the students and faculty to participate in cultural and sports events. Students of Nanotechnology department, (Oct, 2015) have achieved the 2nd place in Inter University Shuttle tournament conducted state wise.

49. State whether the programme/ department is accredited/ graded by other Agencies? : AICTE, New Delhi Accredited.

50. Briefly highlight the contributions of the department in generating new knowledge, Basic or applied.

The faculty and the students are actively involved in research. The department has contributed reasonably well in the fields of nanocoatings for solar PV cells, nano metal matrix composites, antibacterial investigations, etc., as evidenced by the publications.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

(A) Strengths:

- ❖ National level DST projects are running in the department with worth of 1 Crore 26 Lakh Rupees.
- ❖ Good Infrastructure to carry out advanced research and consultancy.
- ❖ Department has hired high meritorious faculty.
- ❖ GATE qualified students with good academic profile are only admitted in the P.G and Ph.D courses

(B) Weakness:

- ❖ Costly equipment such as TEM, SEM, AFM, XPS, XRD, Clean Room facility are required to carry out the advanced research.
- ❖ Nanotechnology is still at the nascent stage across the globe. Hence the students after completion the course are unable to get the industrial jobs.
- ❖ Permanent faculty is required to further strengthen the quality of teaching and research.

(C) Opportunities :

- ❖ There are plenty of applications for nanotechnology in medicine, electronics, robotics, energy production, and other fields.
- ❖ Nanotechnology deal with materials and technologies on a microscopic level. Nanotechnologists work in many fields.
- ❖ It's the wide range of potential products and applications that gives nanotechnology its enormous job-growth prospects. According to a recent study by market researcher Global Information Inc., the annual worldwide market for products incorporating nanotechnology is expected to reach US \$3.3 trillion by 2018. According to the National Nanotechnology Infrastructure Network, the need for technology professionals working in nanotechnology will increase to 1 million employees by 2015.

(D) Challenges :

- ❖ Scarcity of qualified faculty
- ❖ Collaborations to be made with National and International academic and R&D Institutes.

52. Future plans of the department.

- ❖ To make the department most sought – after one in the Nation.
- ❖ To offer regular Ph.D programs to promote research activities
- ❖ To enable the department to get patents
- ❖ To establish the research labs of international standard.

SCHOOL OF SPATIAL INFORMATION TECHNOLOGY

1. Name of the department: School of Spatial Information Technology
Specialization: Remote sensing
2. Year of establishment: 2009
3. Is the Department part of a school / faculty of the university: part of school (IST)
4. Names of programmes offered: PG, Ph.D.
5. Interdisciplinary programmes and departments involved: NIL
6. Courses in collaboration with other universities ,industries, foreign institutions, etc:
NIL
7. Details of programmes discontinued, if any ,with reasons: NIL
8. Examination system :Annual/semester/trimester/choice based credit system:
Semester based credit system
9. Participation of the department in the courses offered by other departments :
Professor in geology, department of civil engineering and Head of Spatial Information Technology and One of our faculty taking classes for Avionics department (OOPS subject) in IST, JNTUK.
10. Number of teaching posts sanctioned , filled and actual (professor / associate professor/ asst. professor/ others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	NIL	NIL	NIL
Associate professor	NIL	NIL	NIL
Asst. professor	NIL	NIL	NIL
Others	NIL	NIL	NIL

11. Faculty profile with name ,qualification, designation ,area of specialization ,
experience and research under guidance(contract basis faculty)

Name	Qualification	Designation	Specialization	No. of	No of M
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				Years of experience	Tech. students guided
Mr. VGK Kasyap	B.Tech M.Tech	Asst. Professor (contract)	Remote Sensing	2	8
Mr. K Srinivas	M.Sc M.Tech	Asst. Professor (contract)		1.5	8
Ms. CH. N. Vara Laxmi	B.E M.Tech	Asst. Professor (contract)	Remote Sensing	1.5	8
Mr. PYLN Swami		Asst. Professor (contract)		1.5	8

12. List of senior Visiting fellows, adjunct faculty, emeritus professors: NIL

13. Percentage of classes taken by temporary faculty- programme wise information: 100%

14. Programme-wise student Teacher ratio: 6:1

15. Number of academic support (technical) and administrative staff sanctioned ,filled and actual: NIL

16. Research thrust areas as recognized by major funding agencies: NIL

17. Number of faculty with on-going projects from a) National b) international funding agencies and C) total grants received. Give the names of the funding agencies, project title and grants received project wise: NIL

18. Inter –institutional collaborative projects and associated grants received

a) National collaboration

b) International collaboration

NIL

19. Departmental projects funded by DST-FIST, UGC-SAP/CAS, DPE, DBT, ICSSR, AICTE, etc; total grant received: NIL

20. Research facility / centre with: NIL

❖ State recognition

❖ National recognition

❖ International recognition

21. Special research laboratories sponsored by /created by industry or corporate

bodies: NIL

21. Publications:

- ❖ Number of papers published in peer reviewed journals (national/ international): 4 papers, 7 conferences (2014-2015)
- ❖ Monographs
- ❖ Chapter in books
- ❖ Edited books
- ❖ Books with ISBN with details of publishers
- ❖ Number listed in international database (for e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc)
- ❖ Citation Index – range / average
- ❖ SNIP
- ❖ SJR
- ❖ Impact Factor – range / average
- ❖ H- index

23. Details of patents and income generated: NIL

24. Areas of consultancy and income generated: NIL

25. Faculty Selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: NIL

26. Faculty serving in

a) National committees b) international committees c) Editorial boards d) any other (please specify) : NIL

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs):

- ❖ Two week special training programme on Microwave Remote Sensing applications at National Remote Sensing Centre (NRSC),Hyderabad
- ❖ Two week DST Summer School on “Mathematical Morphology in Geo sciences” at Indian Statistical Institute (ISI), Bangalore.
- ❖ Training workshop on Hydrology at National Institute of Hydrology (NIH),Kakinada.

28. Student projects

- ❖ Percentage of students who have done in –house projects including inter-departmental projects -10%
- ❖ Percentage of students doing projects in collaboration with other universities / industry / institute- 90%

29. Awards / recognitions received at the national and international level by

- ❖ Faculty - NIL
- ❖ Doctoral / post-doctoral fellows - NIL
- ❖ Students – NIL

30. Seminars / conferences / workshops organized and the source of funding (national and international) with details of outstanding participants, if any: NIL

31. Code of ethics for research followed by the departments: NIL

32. Student profile programme wise:

Name of the programme	Application received	selected	Pass percentage
M tech (2009-2011)	-----	8(3Female, 5 male)	100
M tech (2010-2012)	-----	12(4F ,8M)	100
M tech (2011-2013)	-----	23(6F, 17M)	100
M tech (2012-2014)	-----	22(7F, 15M)	100
M tech (2013-2015)	-----	16(7F, 9M)	100

33. Diversity of students

Name of the programme	% of students from the same university	% of students from other universities with in state	% of students from other universities outside the state	% of students from other countries

M Tech (2009-2011)	100	0	0	0
M Tech (2010-2012)	100	0	0	0
M Tech (2011-2013)	100	0	0	0
M Tech (2012-2014)	100	0	0	0

34. How many students have cleared Civil services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category –wise:

GATE: 14 members (2013-2015)

16 members (2014-2016)

7 members (2015-2017)

35. Student progression

student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NIL
PG to Ph.D.	5%
Ph.D. to Post – Doctoral	NIL
Employed	
• Campus selection	50%
• Other than campus recruitment	25%
Entrepreneurs	20%

36. Diversity of staff

Percentage of faculty who are generated	
Of the same university	100%
from other universities with in state	NIL
from other universities outside the state	NIL
from other universities outside the country	NIL

37. Number of faculty who were awarded M.Phil, Ph.D, D.Sc and D.litt during the assessment

period: NIL

38. Present details of department infrastructural facilities with regard to

a) Library: NIL

b) Internet facilities for staff and students: YES

- c) Total number of class rooms: 2
 - d) Class rooms with ICT facility:
 - e) Students laboratories:2
 - f) Research laboratories: 1
39. List of doctoral, post doctoral students and research associates
- a) From the host institution / university: 4
 - b) From other institutions / universities: 5
40. Number of post graduate students getting financial assistance from the university:
NIL
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. NIL
42. Does the department obtain feedback from
- a) Faculty on curriculum as well as teaching –learning – evaluation? If yes, how does the department utilize the feedback? YES
 - b) Students on staff, curriculum and teaching–learning – evaluation and how does the department utilize the feedback? YES
 - c) Alumni and employers on the programmes offered and how does the department utilize the feedback? YES
43. List the distinguished alumni of the department: NIL
44. Give details of student enrichment programmes (special lectures / workshops / seminars)
involving external experts: NIL
45. List the teaching methods adopted by the faculty for different programmes.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are mentioned?

47. Highlight the participation of students and faculty in extension activities: NIL

48. Give details of “beyond syllabus scholarly activities” of the department: NIL

49. State whether the programme / department is accredited / graded by other agencies? If yes,

give details: Approved by AICTE

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: YES

51. Detail five major strengths, weaknesses, opportunities and challenges (SWOC) of the department.

STRENGTHS:

- ❖ Excellent infrastructure and lab facilities
- ❖ Friendly attitude of teachers towards students
- ❖ Very good academic performance of students

OPPORTUNITIES :

- ❖ In-Campus drives to generate employment to meritorious students
- ❖ Active participation in national, international and world conferences, workshops and seminars by students and faculty.

CHALLENGES:

- ❖ Innovative in teaching process
- ❖ Encouragement of high level research projects by students in NRSC Hyderabad, IIRS Dehradun, SAC Ahmedabad, NIRD Hyderabad, NIH Kakinada.
- ❖ Strive to be top institute in the state

52. Future plans of the department

- ❖ Expansion of departmental researches to international exposure.

SCHOOL OF RENEWABLE ENERGY & ENVIRONMENT

1. Name of the Department: School of Renewable Energy and Environment
2. Year of establishment: November 2014.
3. Is the Department part of a School/Faculty of the university? School of Renewable Energy and Environmental Engineering and Management, Under IST.
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Sc., D.Litt., etc.)
 1. M. Tech. (Renewable Energy)
 2. M. Tech. (Environmental Engineering and Management)
5. Interdisciplinary programmes and departments involved: Inter disciplinary programs Electrical Engineering, Mechanical Engineering, Civil Engineering and Biotechnology.
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: No
7. Details of programmes discontinued, if any, with reasons: No
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
9. Participation of the department in the courses offered by other departments: No
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	NIL	NIL	NIL
Associate Professor	NIL	NIL	NIL
Asst. Professor	NIL	NIL	NIL
Others	NIL	NIL	NIL

SL. NO: 10:		
School of Renewable Energy and Environment , IST		
Renewable Energy		
Sl.No	Name	Designations

1	Dr. K. S. Rama Rao	Programme Director, SREE
2	Sri. N. Hanumantha Rao	Programme Director, SRE
3	Sri. G. Anil Kumar	Asst. Professor, (Contact)
4	Sri. G. Sunil	Asst. Professor, (Contact)
5	Kum. P. Devi Supriya	Asst. Professor, (Contact)
Environmental Engineering and Management		
Sl.No	Name	Designations
1	Sri. D. Syam Babu	Asst. Professor, (Contact)
2	Sri. B. Seshagiri Rao	Asst. Professor, (Contact)
3	Kum. G. Suvarna Laxmi	Asst. Professor, (Contact)

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Sl. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D / M. Phil. Students guided
1	Dr. K. S. Rama Rao	B.E. (Hons.), M. Sc. (Engg), Ph. D. (IIT, Kanpur)	Programme Director, SREE	Power Electronics, Electrical Drives, Optimal Design of Electrical Equipment, Power Quality	52 Years	Nil
2	Sri. N. Hanumantha Rao	B. Tech. (5 years Course), M. Tech. (Power Systems)	Programme Director, SRE	Power Systems	32 Years in APEPDCL, 1 Year - Teaching	Nil
3	Sri. D. Syam Babu	M. Tech	Asst. Professor (Contract)	Environmental Engineering	Nov 2014 to till date	Nil
4	Sri. G. Sunil	M. Tech	Asst. Professor (Contract)	Renewable Energy	April 2015 to till date	Nil
5	Kum. G. Suvarna Laxmi	M. Tech	Asst. Professor (Contract)	Chemical Engineering (IPC)	May 2015 to till date	Nil
6	Kum. P. Devi Supriya	M. Tech.	Asst. Professor (Contract)	Thermal Engineering	Sep 2015 to till date	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: No
13. Percentage of classes taken by temporary faculty – programme-wise information
1. RE – 100% and 2. EEM – 100%
14. Programme-wise Student Teacher Ratio: (5:1)
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: P. Suryanarayana. – Junior Assistant
16. Research thrust areas as recognized by major funding agencies: No
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. No
18. Inter-institutional collaborative projects and associated grants received: No
a) National collaboration b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. No
20. Research facility / centre with: No
 - a. state recognition
 - b. national recognition
 - c. international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies – No -
22. Publications:
 1. Research paper published by Dr. K. S. Rama Rao – Programme Director, School of Renewable Energy and Environment Journal of Electrical Engineering & Technology

- 2015, South Korea, Vol 10(1), PP.8-17, ISSN (print) 1975 – 0102 –“Power flow control of multi-bus / three feeder Distribution System using Generalized Unified Power Quality Conditioner”.
2. Research paper published by Sri. D. Syam Babu, Asst. Professor – Environmental Engineering and Management. International Journal of Applied Engineering Research, Research India Publications, ISSN 0973 – 4567 vol No 33 pp 24296 – 24304 April (2015). “Bio sorption of Heavy Metals (Cu (II) and Cr (VI)) from Industrial waste water using Azolla Filicaloidus”
 3. Research paper published by Sri. G. Sunil, Asst. Professor – Renewable Energy, International Journal of Solar Energy, Elsevier, USA, March 2015, Vol.113, pp. 324 - 331 “Determination of thermal Performance of a box type solar cooker”
 4. Research paper published by Kum. G. Suvarna Laxmi, Asst. Professor – Environmental Engineering and Management. International Journal of Engineering Research & Technology (IJERT), Vol. 3 Issue 1, January -2014, ISSN: 2278 – 0181, “Removal of Dyes by Using Low Cost Adsorbents Agricultural Wastes and Sand”.
 5. Research paper published by Kum. P. Devi Supriya, Asst. Professor, Renewable Energy International Journal of Research and Innovation (IJRI), Published 19th December 2014, Vol. I, Issue II, “An Experimental Comparative Study on the performance of Diesel Engine Operating on Linseed and Neem Methyl Esters Blend”
 6. Research paper published by Dr. K. S. Rama Rao – Programme Director, School of Renewable Energy and Environment Applied Mechanics and Materials Vols. 110-116 (2012) pp 2464-2468, online available Since 2011/Oct/24, (2012) Trans Tech Publications, Switzerland. “Modeling and Simulation of Moving Iron Linear Generator (MILG)”.
 7. Research paper published by Dr. K. S. Rama Rao – Programme Director, School of Renewable Energy and Environment World Academy of Science, Engineering and Technology 62, 2012
“Three-Level Converters based Generalized Unified Power Quality Conditioner”.
 8. Research paper published by Dr. K. S. Rama Rao – Programme Director, School of Renewable Energy and Environment Journal of Energy and Power Engineering 6 (2012) 656-662, Universiti Teknologi PETRONAS, Tronoh 31750, Malaysia, Published: April 30, 2012 “Microcontroller – Based Variable Speed Drive for Three – Phase Induction Motor in Cooling Applications”.
 9. Research paper published by Dr. K. S. Rama Rao – Programme Director, School of

- Renewable Energy and Environment. Electrical Power and Energy Systems 43 (2012) 1056 – 1062, “Optimal design of a furnace transformer by intelligent evolutionary methods”.
10. Research paper published by Dr. K. S. Rama Rao – Programme Director, School of Renewable Energy and Environment. International Journal of Electronics and Electrical Engineering 6 2012, “Three – Level Converters based Generalized Unified Power Quality Conditioner”.
 11. Research paper published by Dr. K. S. Rama Rao – Programme Director, School of Renewable Energy and Environment. World Applied Sciences Journal 12 (2): 132-138, 2011, ISSN 1818 – 4952, IDOSI Publications, 2011 “A De-noising Scheme for Wavelet Based Power Quality Disturbances Detection and Classification system”.
 12. Research paper published by Dr. K. S. Rama Rao – Programme Director, School of Renewable Energy and Environment. International Review of Electrical Engineering (I.R.E.E), Vol. 4, n. 2 April 2011 “A Comparative Study on Optimal Design of LLC Resonant Converter by Intelligent Optimization Techniques”.
23. Details of patents and income generated No
 24. Areas of consultancy and income generated No
 25. Faculty selected nationally / internationally to visit other laboratories / institutions
 - a. industries in India and abroad: No
 26. Faculty serving in: No
 - b) National committees b) International committees c) Editorial Boards d) any other (please specify)
 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
Leadership and communication skills – seminar.
 28. Student projects
 - a. percentage of students who have done in-house projects including inter-departmental projects

b. percentage of students doing projects in collaboration with other universities

1. industry / institute

M. Tech. (RE) - Project Work / Students

Sl.No	Roll No	Student Name	Address of Company
1	14ISID0203, 14ISID0215, 14ISID0204, 14ISID0209, 14ISID0218, 14ISID0221, 14ISID0222	1) Dasari Sivakrishna 2) Ramisetty Manoj Kumar , 3) D. Prasanna Lakshmi 4) Nitla Raja Veni 5) Darla Rama devi 6) Pusam Vanisree 7) Gona Mounica	Mr. Ramesh Paver, BHEL, R & D, Vikasnagar, Balanagar, Hyderabad
2	14ISID0202, 14ISID0208, 14ISID0216, 14ISID0219	1) Chintapalli Kalyan 2) Bonthu Lokesh 3) Reddi Kiran 4) Shaik Nagoormeera	M/s. Nano Bright Solar Technologies Pvt. Ltd., Hyderabad -500 051
3	14ISID0210, 14ISID0211, 14ISID0220	1) Turre Prasanna Kumar 2) Vinod Kumar Chitti 3) Bontu Poorna Chandra Reddy	Access Solar Limited, Hyderabad- 500037
4	14ISID0201,	1) Sunil Kumar Palateru	Analogics Tech India Ltd., Hyderabad - 500076,
5	14ISID0207, 14ISID0212, 14ISID0214	1) Shaik Shaheed Basha 2) S.Srinivasarao 3) Hanumantu Kiran Kumar	Solar Systems, Plot No.41-A, Industrial Park, Sarpavaram, Kakinada – 533005 ,

M. Tech. (EEM) - Project Work / Students

Sl.No	Roll No	Student Name	Address of Company
1	4ISIDO112, 14ISIDO114, 14ISIDO107 14ISIDO108	1) T.VISWANATH, 2) G. SATYANARYANA REDDY, 3) KATTA ROHINI 4) INDIGABILLI RAJITHA	Pragathi Labs & Consultants Pvt. Ltd. Hyderabad – 500 018,
2	14ISIDO116, 14ISIDO104,	1) K. K. CHAKRAVARTHI 2) M. UMA DEVI	L & T Ramboll consulting engineers limited , White House, Begumpet, Hyderabad
3	14ISIDO117, 14ISIDO123,	1) D. KIRANMAI 2) B. NAGA SRI TULASI	Ramky phararmacy (india) ltd., Visakhapatnam
4	14IS1D0103	M. SRAVANI	Sri. K. V. V. S. S. R. Prakasha Rao, Coca-Cola Hindustan Coca-Cola Beverages Pvt Ltd, Guntur Dist -
5	14IS1D0102	1) P. SAI SUNAINA	Ramky Enviro Engineers Ltd, Ramky Grandiose Hyderabad
6	14IS1D0101, 14IS1D0111, 14IS1D0121, 14ISIDO109, 14ISIDO122	1) PALIKA LAVANYA 2) G. NANI BABU 3) Ch.HEMADHRI VEERA JAGANNADHA RAO 4) T. SURYA KUMARI 5) K.V.V.K.SRAVYA	EGREE FOUNDATION, KAKINADA-533005,
7	14IS1D0113	P. SARATH CHANDRA	Visakhapatnam Steel Plant, Visakhapatnam
8	14IS1D0105	D. Suresh Krishna	GTN Engineering (India) Limited (Yarn Processing Unit), Mahabubnagar,
9	14IS1D0124	S. Visali	The Director, National Geophysical Research Institute (NGRI), Hyderabad.
10	14IS1D0120	N. Gopinath	Sri Sai Manasa Nature Tech Pvt. Ltd. Hyderabad
11	14IS1D0106	V. Suresh Babu	The Manager (Admin),

			NDMPMACU Ltd, Vijaya Dairy, Venkateswarapuram, Nellore -
12	14IS1D0110	KASHIF TANZIL	Andhra University Visakhapattanam.
13	14IS1D0115	J. Sai Bharani	JNTUK, KAKINADA
14	14IS1D0118	Chanikya Duvvuru	JNTUK, KAKINADA

29. Awards / recognitions received at the national and international level by: No

- a. Faculty
- b. Doctoral / post doctoral fellows
- c. Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national

i. international) with details of outstanding participants, if any: No

31. Code of ethics for research followed by the departments: No

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Renewable Energy - 2014-2015	21	15	7		
Environmental Engineering and Management	25	14	11		
Renewable Energy – 2015-2016	22	19	3		

33. Diversity of students

Name of the Programme	% of the students from the same university	% of the students from other universities within the state	% of the students from universities outside of the state	% of the students from other countries
RE – 2014- 15	86.36	9	4.5	-
EEM -2014- 15	88	9	-	-
RE – 2015 -16	86	9	4	-
EEM – 2015 – 16	56	37.5	6	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. – GATE – 09 Nos

35. Student progression: No

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed Campus selection Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	2
from other universities within the State	1
from universities from other States	3
universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period - No
38. Present details of departmental infrastructural facilities with regard to
Library - No
Internet facilities for staff and students - Yes
Total number of class rooms - Yes (02 Nos – M. Tech. (RE) & M. Tech. (EEM)
Class rooms with ICT facility – e-class rooms
Students’ laboratories - 04 Nos
39. List of doctoral, post-doctoral students and Research Associates - No
from the host institution/university from other institutions/universities
40. Number of post graduate students getting financial assistance from the university. -
No
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
42. Does the department obtain feedback from
faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the

- department utilize the feedback?
 students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
 alumni and employers on the programmes offered and how does the department utilize the feedback?
- 1) The department is conducting regular meetings with the faculty to monitor the course completed according to the syllabus.
 - 2) The students are also regularly assessed by giving assignments as well as by conducting seminar presentations by the students on some important topics of the syllabus.
 - 3) Regular board of studies meetings are conducted to revise the syllabus of subjects based on the inputs from members of committee
43. List the distinguished alumni of the department (maximum 10) - No
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. – Yes
 Dr. M. K. S. Sastry, Program Co-ordinator, University of Trinidad and Tobago, West Indies, dated: 01.08.2015, “Recent trends and applications in Smart Grid and Micro – grid”. Prof. D. Suryanarayana, Prof of Energy Science & Engineering, IIT Bombay, date: 12.11.2015.
45. List the teaching methods adopted by the faculty for different programmes.
 - Power point presentations, Seminars, and Assignments.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
47. Highlight the participation of students and faculty in extension activities.
 - Plantation in the campus
 - Blood donation.
48. Give details of “beyond syllabus scholarly activities” of the department.
 1) Internships 2) Practical Training 3) Industrial Visits

49. State whether the programme/ department is accredited/ graded by other agencies?
If yes, give details. - No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Renewable Energy and Environmental Engineering and Management are new and rapidly developing courses offered by these departments in line with renewable energy sources development in the state.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

1. School of Renewable Energy and Environment, IST was started in the year November 2015.
2. All the seats are filled up in both programs.
3. Placement and training cell is conducting the campus interview in Renewable Energy and Environmental Engineering and Management.
4. Established Lab facilities.
5. Installations of hardware & software in lab

Opportunities:

Good opportunities to get good employment, Job potential since central & state government are concentrating & encouraging solar & wind power plants in the state in the field of clean energy.

Challenges

Improve lab facilities for conducting research, programme and financial support required to improve lab facilities in both Renewable Energy and Environmental Engineering and Management.

52. Future plans of the department.

We are planning to install roof top solar plants with in the smart city Kakinada. Planning to come up with a consultancy for pollution control and solid waste management with in smart city Kakinada.

SCHOOL OF PHARMACY

	Sanctioned	Filled	Actual (Including CAS & MPS)
Professor	--	--	--
Associate Professors	--	--	--
Asst. Professors	--	15	--
Others	--	--	--

Note: At present, as no permanent faculty positions are sanctioned, the academic proceedings are being carried out by Adhoc faculty with prescribed qualification & experience.

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D/ M.Phil. Students guided
Dr. S.V.U.M. Prasad	M. Pharm., Ph. D	Programme Director	Pharmaceutical Analysis & QA	38 yrs 6 months	-
Dr. M. Vara Lakshmi	M. Pharm., Ph. D	Asst. professor(C)	Pharmaceutics	8yrs 3 month	-
D Vinay Kumar	M. Pharm.,(Ph.D)	Asst. professor	Pharmaceutics	6 yrs 2 months	-
K. Mangamma	M.Pharm., (Ph. D)	Asst. professor	Pharmaceutical Analysis & QA	7 yrs 6 months	-
G. Mani Kumar	M. Pharm.,(Ph.D)	Asst. professor(C)	Pharmaceutical Analysis & QA	6 yrs 6 months	-
K. Srinivasa Reddy	M.Pharm.	Asst. professor(C)	Pharmaceutics	6 yrs 4 months	-
K. Daniel Raju	M.Pharm., (Ph.D)	Asst. professor(C)	Pharmacology	5 years 6 months	-
S. Ashok Krishnan	M.Pharm., (Ph. D)	Asst. professor(C)	Pharmacology	4 years 6 months	-
V. Swetha	M.Pharm.	Asst. professor(C)	Pharmaceutical Analysis & QA	5 years 2 months	-
P. Veera Lakshmi	M. Pharm.,(Ph.D)	Asst. professor(C)	Pharmaceutics	4 years 6 months	-
R. I. Prasanna	M. Pharm.,(Ph.D)	Asst. professor(C)	Pharmaceutics	3yrs 7 months	-

Y. Prasanth	M.Pharm.	Asst. professor(C)	Pharmaceutics	2 years 7 months	-
M. Sandhya Madhuri	M.Pharm.	Asst. professor(C)	Pharmaceutical Analysis & QA	2 years 7 months	-
V. R. S. Anusha	M.Pharm.	Asst. professor(C)	Pharmaceutics	1 years 7 months	-
N. Ashritha	M.Pharm.	Asst. professor(C)	Pharmaceutical Analysis & QA	1 years 7 months	-
K. Sri Devi	M.Pharm.	Asst. professor(C)	Pharmacology	1 year 7 months	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- ❖ Prof. K.P.R. Chowdary,
Former Principal,
AU College of Pharmaceutical Sciences, Andhra University, Visakhapatnam.
- ❖ Prof. P.Rajeswara Rao,
Professor in Pharmacology,
AU College of Pharmaceutical Sciences, Andhra University, Visakhapatnam.

13. Percentage of classes taken by temporary faculty – programme-wise information

Entire academic proceedings of the program are being handled by temporary (contract) faculty as per university norms.

14. Programme-wise Student Teacher Ratio

B. Pharmacy – 1:10

M. Pharmacy – 1: 7

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

- At present, as no permanent academic support staff (technical) and administrative staff positions are sanctioned, the proceedings are being carried out by staff on temporary basis (13 support staff members).

16. Research thrust areas as recognized by major funding agencies

- Nil at present

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.
- Nil at present
18. Inter-institutional collaborative projects and associated grants received
a) National collaboration - Nil
b) International collaboration - Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
- Nil at present
20. Research facility / centre with
a. State recognition
b. National recognition
c. International recognition
- Conducting Research, Audit & Credit courses for the Ph.D students for the past 4 years.
21. Special research laboratories sponsored by / created by industry or corporate bodies
- Nil
22. Publications:
* Number of papers published in peer reviewed journals (national / international)
National: 08
International: 05
❖ Monographs - **Nil**
❖ Chapters in Books -**Nil**
❖ Edited Books - **Nil**
❖ Books with ISBN with details of publishers – **Nil**
❖ Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - **Nil**

- ❖ Citation Index – range / average- **Nil**
- ❖ SNIP
- ❖ SJR
- ❖ Impact Factor – range / average - 0.2 to 2.0
- ❖ h-index - **Nil**

23. Details of patents and income generated

- **Nil**

24. Areas of consultancy and income generated

- **Nil**

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

- **Nil**

26. Faculty serving in

c) National committees b) International committees c) Editorial Boards d) any other (please specify)

- Dr. S.V.U.M. Prasad, Programme Director, is on the panel of Pharmacy Council of India (PCI) Inspector since 1992.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- ❖ Workshop conducted on “Trends in clinical Trials” for pharmacy students in 2014.
- ❖ Conducted National seminar on “Recent Trends in Pharmacy & Pharmacology” for students under the colleges of university on 3rd March 2015.
- ❖ Orientation class conducted to B Pharmacy students on 7th Sept 2015
- ❖ One day seminar conducted in accordance with National Pharmacy Week on 16th Nov 2015 “Responsible Use of Antibiotics Saves Lives”

28. Student projects

- a. percentage of students who have done in-house projects including inter-departmental projects

B. Pharmacy 100%

M. Pharmacy 30%

- b. percentage of students doing projects in collaboration with other universities /industry / institute

M. Pharmacy 70%

29. Awards / recognitions received at the national and international level by faculty?

Programme Director, Dr. S V U M Prasad, has attended the Indian Pharmaceutical Association (Student Forum) world congress attended by delegates from 70 countries and co-chaired a scientific session along with former president, PCI, New Delhi on 02.08.2015.

- a. Doctoral / post doctoral fellows - **Nil**
b. Students – **Nil**
c.

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

- ❖ Workshop conducted on “Trends in clinical Trials” for pharmacy students in 2014.

Dr. SVUM Prasad, Programme Director, School of Pharmaceutical Sciences & Technologies, JNTUK, Kakinada.

- ❖ Conducted National seminar on “Recent Trends in Pharmacy & Pharmacology” for students under the colleges of university on 3rd March 2015. Prof. K.P.R. Chowdary, Former Principal, AU College of Pharmaceutical Sciences, Andhra University, Visakhapatnam. Prof.

P.Rajeswara Rao, Professor in Pharmacology, AU College of Pharmaceutical Sciences, Andhra University, Visakhapatnam.

- ❖ Orientation class conducted to B Pharmacy students on 7th Sept 2015 Dr. SVUM Prasad, Programme Director, School of Pharmaceutical Sciences & Technologies, JNTUK, Kakinada.

Prof. K.P.R. Chowdary, Former Principal, AU College of Pharmaceutical Sciences, Andhra University, Visakhapatnam.

- ❖ One day seminar conducted in accordance with National Pharmacy Week on 16th Nov 2015 “Responsible Use of Antibiotics Saves Lives” Dr. T V Narayana, Chairman, I.P.A, Education Division, India.

31. Code of ethics for research followed by the departments

Research methodology for pharmacy scholars are being organised through one month, program on Audit & Credit Courses.

32. Student profile programme-wise:

Name of the Programme (refer to question no.4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B Pharmacy	53	17	36	100%	86%
M Pharmacy (Pharmaceutical Analysis & QA)	19	1	18	100%	100%
M Pharmacy (Pharmaceutics)	18	4	14	100%	86%
M Pharmacy (Pharmacology)	18	2	16	100%	100%

33. Diversity of students

Name of the Programme(refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B Pharmacy	85%	13%	-	2%
M Pharmacy	85%	15%	-	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

3 students qualified in GPAT 2015

35. Student progression

Student progression	Percentage against enrolled
UG to PG	50%
PG to M.Phil.	-
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	-
Employed	

<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	- 80% (PG students)
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	-
from other universities within the State	93.75%
from universities from other States from	6.25%
universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period Ph.D – 2

38. Present details of departmental infrastructural facilities with regard to

a. Library

Books: 462 titles & 1240 volumes

Journals: 31 titles & 155 volumes

Note: Administrative approval for Rs. 3.8 Lakhs for purchase of journals.

b. Internet facilities for staff and students : **YES**

c. Total number of class rooms : **B. Pharmacy – 4**

M. Pharmacy-3

g) Class rooms with ICT facility -2

h) Students' laboratories - **8**

i) Research laboratories – **4**

Note: Both the B. Pharm. & M. Pharm. Courses are being, conducted in temporary accommodation with an approx. built up area of 6000 sq. ft. the authorities got approval from MDC for an exclusive pharmacy block with a built up area of approximately 30,000 sq ft. Almost the construction activity with regard to ground + second floor structure have reached completion stage. As it was ensured the (G+2) system can be put to full pledged operation very shortly.

39. List of doctoral, post-doctoral students and Research Associates

a. from the host institution/university - **NIL**

b. from other institutions/universities -**NIL**

40. Number of post graduate students getting financial assistance from the university.

M. Pharmacy – 11 (GPAT)

– 22 (PGECET)

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

NIL

42. Does the department obtain feedback from

i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

YES

ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

YES

iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Nil at present

43. List the distinguished alumni of the department (maximum 10)

Nil at present

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Workshops - 02

Seminars - 02

Special Lectures - 05

45. List the teaching methods adopted by the faculty for different programmes.

Outcome based teaching learning process is being adopted.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The objectives of the programs are being achieved by strictly following norms & guidelines as issued by the Pharmacy Council of India, New Delhi, the same is being

reflected in the PCI inspection also. (Two inspections were carried out with satisfactory remarks)

47. Highlight the participation of students and faculty in extension activities.

NCC, NSS Programmes.

Sports Manual for Self-study Universities

48. Give details of “beyond syllabus scholarly activities” of the department.

Nil at present

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

AICTE and Pharmacy Council of India, New Delhi

Recently the school was approved by PCI under section 12 status.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Nil at present

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- ❖ Successfully conducting B Pharmacy & M Pharmacy courses (with 3 Specializations: Pharmaceutical Analysis, Pharmaceutics, Pharmacology) with necessary approval from apex bodies like AICTE & PCI.
- ❖ A permanent Pharmacy building, with 30,000 sq. ft (approx) is nearing completion, which complies with the PCI norms (New Delhi).
- ❖ Total number of 462 titles & 1240 volumes of books are available as per PCI norms. The subscribed journals are of higher quality including E-journals.
- ❖ BOS committee : Very strong Board of studies with Prof KPR Chowdary as chairman, Prof TV Narayana, chairman education wing (IPA) as a member
- ❖ Animal house was also established and complied with CPCSEA norms, Govt of India and waiting registration from CPCSEA approval for animal house is in the pipeline.
- ❖ Though the available 15 Asst. Professors are on contract basis. They are

qualified & with good teaching experience and also due to their efforts only excellent results are being achieved.

Weakness:

- **No regular faculty positions.**
- **Lot of equipment to be received, as the department is situated in temporary building.**
- **Funds for conducting international / national conferences & seminars and research activities are to be allocated.**

Oppurtunities:

- Wide range of oppurtunities are available for UG & PG graduates with in the country and in abroad also. Apart from the designated oppurtunities new areas where more oppurtunities are now available like regulatory affairs, pharmacovigilance and clinical trails etc.

Challenges:

- With the vision and mission which we have kept as goals, we are contemplating to transform the present School of Pharmacy into a centre for excellence in Pharma circles in the areas of drug technology, analysis and clinical trials and also to explore and achieve new heights in immunological fields.

52. Future plans of the department.

- Regular faculty recruitment.
- Funding projects for research development.
- Collaboration with industries & other universities.
- Conducting international & national level conferences & seminars.

SCHOOL OF HEALTH SCIENCE

0. Name of the Department : **School of Health Sciences & Research**
1. Year of establishment : **2010**
2. Is the Department part of a School/Faculty of the university? **School**
3. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) **PG**
4. Interdisciplinary programmes and departments involved
MS Sports Technology & Health Sciences
MS Environmental Occupational Health & Safety
5. Courses in collaboration with other universities, industries, foreign institutions, etc.
No
6. Details of programmes discontinued, if any, with reasons ;**No**
7. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester
8. Participation of the department in the courses offered by other departments **NO**
9. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	NIL	NIL	NIL
Associate professor	NIL	NIL	NIL
Asst. professor	NIL	NIL	NIL
Others	NIL	NIL	NIL

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialisation	No.of Years of Experience	No. of Ph.D./M.Phil. students

					guided
Dr. P.S. Prasad Dandamudi	MBBS,MD, MPH, Ph.D	Programme Director (ADHOC)	Occupational Health, Safety and Medicine	30+ years	NIL
K.S. Chalapathi Rao	M.Sc., M.Tech., PGDIPM	Asst. Professor (Adhoc)	Occupational Health & Safety	3 years	Nil
Maddela Sahitya Deepak	MS	Asst. Professor (Adhoc)	Sports medicine & Rehabilitation	2 years	Nil
Veera Surendra Dhulipudi	MS	Asst. Professor (Adhoc)	Sports medicine & Rehabilitation	3 years	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Dr. M. B. R. Sharma

Dr. I. V. Rao

Dr. V. Satya Dev

Dr. S. Lakshmi Narayana

Dr. G. Rajeswari

Mr. S. Satyapal

Dr. Enrico Maria Stederni

Mr. M. Jayanth Reddy

Mr. P. M. Rao

Sri. K. Sankar Narayana Moorthi

T. E.C. Vidya Sagar

13. Percentage of classes taken by temporary faculty – programme-wise information

MS Sports Technology & Health Sciences

Each faculty five hours per Week

MS Environmental Occupational Health & Safety

Each faculty five hours per week

14. Programme-wise Student Teacher Ratio 5:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Academic Support Staff :4, Administration Staff : 4

16. Research thrust areas as recognized by major funding agencies **NO**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **NO**
18. Inter-institutional collaborative projects and associated grants received : **NO**
a) National collaboration b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **NO**
20. Research facility / centre with
State recognition **NO**
National recognition **NO**
International recognition **NO**
21. Special research laboratories sponsored by / created by industry or corporate bodies
NO
22. Publications: **NO**
Number of papers published in peer reviewed journals (national / international)
Monographs
Chapters in Books
Edited Books
Books with ISBN with details of publishers
Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
Citation Index – range / average
SNIP
SJR

Impact Factor – range / average h-index

23. Details of patents and income generated **NO**
24. Areas of consultancy and income generated : **Yes**
occupational Safety & Health evaluation in market yards physical labored workers
in the state of Andhra Pradesh (17,00,000)
25. Faculty selected nationally / internationally to visit other laboratories / institutions
/ industries in India and abroad **YES**
Dr. P.S .Prasad visited western Switzerland university , Switzerland
Visiting Professor in western Switzerland university , Switzerland
26. Faculty serving in **yes**
a) National committees b) International committees c) Editorial Boards d) any
other (please specify)
Neuro science laboratory in western Switzerland University
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs,
workshops, training programs and similar programs). **Yes**
ICMR at Bangalore , Manipal University in Manipal
28. Student projects
Percentage of students who have done in-house projects including inter-
departmental projects 5%
percentage of students doing projects in collaboration with other universities
/ industry / institute
37. Awards / recognitions received at the national and international level by
Faculty Nil
Doctoral/Post Doctoral fellows Nil
Students Yes
29. Seminars/ Conferences/Workshops organized and the source of funding (national

/ international) with details of outstanding participants, if any.

- a) Healthy World Conference 2015
- b) National Seminar on Environmental occupational Health & Safety 2014

30. Code of ethics for research followed by the departments : NIL

31. Student profile programme-wise: PG

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MS Sorts Technology & Health Sciences	28	18	6	76	100
MS Environmental Occupational Health & Safety	40	31	7	95	100

32. Diversity of students

Name of the programme	% of students from the same university	% of students from other universities with in state	% of students from other universities outside the state	% of students from other countries
Sports Technology & Health Sciences	NIL	95%	5 %	NIL
Environmental Occupational Health & Safety	60	40%	NIL	NIL

33. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.
NO

34. Student progression

student progression	Percentage against enrolled
UG to PG	NIL
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post – Doctoral	NIL
Employed	
• Campus selection	
• Other than campus recruitment	NIL
Entrepreneurs	05%

35. Diversity of staff

centage of faculty who are generated	
the same university	
n other universities with in state	
n other universities outside the state	
n other universities outside the country	

36. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : **NIL**

37. Present details of departmental infrastructural facilities with regard to

a	Library	Departmental Library
b	Internet facilities for staff and students	24X7, Wifi
c	Total number of class rooms	2
d)	Class rooms with ICT facility	ALL ARE ENABLED
e)	Students' laboratories	Two
f)	Research laboratories	NIL

38. List of doctoral, post-doctoral students and Research Associates

a	from the host institution/university	Nil
b	from other institutions/universities	Nil

39. Number of post graduate students getting financial assistance from the university.
Nil

These two programmes are self Financed programmes

40. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **New programmes are started by consulting experts in india and by taking experiences , and methodology**

41. Does the department obtain feedback from : Parents , Alumini , Students

YES : Manual

Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The design of the courses and the framing of the syllabi are done by the faculty and other

experts faculty together. Regular meetings are held in the department to discuss and review this. One faculty members of the department are also on the Board of Study. Hence the curriculum is constantly being reviewed for relevance students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Questionnaires administered by the College give valuable feedback to each professor. This is reviewed by the Programme Director and action taken accordingly

Alumni and employers on the programmes offered and how does the department utilize the feedback? The department has alumni who are proud to belong to this institution and who display a great sense of loyalty and alumini shown great enthusiasm. Some of them take guest lecturers for the students and contribute to bringing in industry experience to the classroom.

42. List the distinguished alumni of the department (maximum 10)

- a. D. SAILENDRA
- b. L.SADASIVA RAO
- c. M.D.AFROZE
- d. M.ANIL KUMAR
- e. L.VEERENDRA NAIDU
- f. P.RAM MOHAN
- g. P.SRE HARSHA
- h. KV.PRATYUSHA
- i. K.HIMA
- j. V.SANDEEP VARMA
- k. B.V.D. VARAKANTH

43. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

National seminars , CPR training programmes , International Conferences

44. List the teaching methods adopted by the faculty for different programmes.

Power point presentation

Class discussions

Group discusiions

Weekly seminars conducted and students are participated

45. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
Classroom seminar sessions
Student's feedback
46. Highlight the participation of students and faculty in extension activities.
Students are sent to different Hospitals and factories for extension of their knowledge improvement
47. Give details of "beyond syllabus scholarly activities" of the department.
Participation in the journal club and discussion on journal articles .
48. State whether the programme/ department is accredited/ graded by other agencies?
If yes, give details. **YES**
Students are evaluated by the industrial experts when students are doing observorship.
And students are placed in hospital and are evaluated by the professors in Hospitals
49. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
By expert speakers , by visiting different institution for hands on experience
50. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
Strength :Faculty , visiting and guest faculty.
Weakness :Need more Faculty , the admission application students applied and interview time period very huge time, therefore admissions are falling down
Opportunities: There are plenty of jobs and industries are asking part time PG course for their employees., ARE more in Sports Technology & Health Students
Challenges : Enrollement of more students especially girl students. Bring academic and research standards with par with western countries. Dealing with Governement and administration
51. Future plans of the department.

- a. Organizing State and National Level Seminars
- b. Conducting more guest lectures inviting expertise from the market.
- c. Improving the status of the admissions
- d. Starting Bachelor courses in both streams and also integrated also.

SCHOOL OF MANAGEMENT STUDIES

1. Evaluative Report of the Department

1. Name of the Department: **School of Management Studies**

2. Year of establishment: 2009

3. Is the Department part of a ~~School~~/Faculty of the university?
Faculty of the university

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters Integrated Ph.D., D.Sc., D.Litt., etc.) PG (MBA) , PhD

5. Interdisciplinary programmes and departments involved NA

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
1. Central Michigan University USA

7. Details of programmes discontinued, if any, NA.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester

9. Participation of the department in the courses offered by other departments
Participating by teaching of Management courses offered by School of Food Technology of the University

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual(including CAS & MPS)
Professor	Nil	00	01
Associate Professor	NIL	NIL	NIL
Asst. Professors	NIL	NIL	NIL

Asst. Prof (Contract)	NIL	Nil	08
-----------------------	-----	-----	----

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D./M. Phil. Students guided
Dr. P. Vijaya Kumar	M.Com, MBA, M.Phil, Ph.D	Professor, & Director	HRM& Finance	33	06 (Ph.D)
Dr. B. Charwak	MBA, M.Com, NET, Ph.D	Asst. Prof (Contract)	Marketing & HRM	09	---
Dr. P.V. V. Satyanarayana	MBA, M.Com, M. Phil, BL, NET, Ph.D	Asst. Prof (Contract)	Finance	23	03
Smt. N. M. Jyothirmai	MBA, M. Phil, NET	Asst. Prof (Contract)	Marketing	20	---
Smt. V. Sri Lalitha	MBA, M. Phil , NET	Asst. Prof (Contract)	Finance	12	---
Smt. P. Devi	MBA	Asst. Prof (Contract)	Finance & HRM	06	---
Sri. S.V. N. Kumar	MCA, M. Tech,	Asst. Prof (Contract)	IT	10	---
Sri. C. Suresh Babu	PGDM	Asst. Prof (Contract)	Marketing	05	---
Kum. P. Krishna Tulasi	MBA, M.Com	Case Analyst	---	01	---

12. List of senior Visiting Fellows, adjunct faculty, emeritus Professors Regularly Guest Faculty are inviting to enrich the knowledge of the students from time to time with latest topics. The following faculties are invited so far.

Guest Faculty

S. no	Name of the Guest Lecture	Address
1	Prof. B. Parvateshwara Rao	Prof. & Former Rector Andhra University
2	Prof. J. V. Prabhakara Rao	Former Vice- Chancellor Rayalaseema University
3	Dr. B. Rajasekhar	University of Hyderabad, Hyderabad
4	Prof. G. Krishna Murthy	Kakatiya Unviersity

5	Prof. Deepak Gandhi	University Canada West, Canada
6	Prof. A. R. Arya Sri	Former Director, JNTUH, Hyderabad
7	Dr. V. Madhusudhana Prasad	JNTUH, Hyderabad
8	Prof. N. Hanumantha Rao	Kakatiya University
9	Prof. B. Kuberudu	AUMSN PG Centre, Kakinada
10	Prof. B. Thandava Krishna	DGM, Spectrum Power Plant, KKD
11	Prof. V. Bhanuprakash	Management Consultant
12	Brig(Dr) P. Raj Kumar	VIT University, Vellore
13	Prof. Monica Homes	Central Michigan University, USA
14	Prof. P. Ravi Kumar	IIM, Bangalore

Visiting Faculty

S. no	Name of the Guest Lecture	Address
1	Prof. R. Satya Raj	Andhra University, Visakhapatnam
2	Prof. T. Krishna Kumar	Indian Institute of Management, Bangalore
3	Prof. Himachalam Dasaraju	Sri Venkateswara University, Tirupati
4	Prof. B. Mohan	Sri Venkateswara University, Tirupati
5	Prof. R. Nageswara Rao	Osmania University, Hyderabad
6	Prof. B. Venkataratnam	Andhra University, Visakhapatnam
7	Dr. B. Rajasekhar	University of Hyderabad, Hyderabad
8	Prof. M. Chandra Sekhar	Sri Venkateswara University, Tirupati
9	Prof. D. V. G. Krishna	Director, R. G. Kedia College, Hyderabad
10	Prof. R. Joshi	Jayapurya Institute of Management, Indore
11	Prof. K. V. Sastry	Managing Director, Professional Management cum Marketing Trainers- Consultants, Hyderabad
12	V. Ravi	Vice President, HSBC, Kakinada

❖ Percentage of classes taken by temporary faculty – programme-wise information

S. no	Academic Year	Regular Teacher %	Contract Teachers %
1	2010	25%	75%
2	2011	25%	75%
3	2012	25%	75%
4	2013	15%	85%
5	2014	15%	85%
6	2015	15%	85%

12. Programme-wise Student Teacher Ratio

MBA (REGULAR & CMU)

S. no	Academic Year	No. of Students	No. of Regular Teachers	No. of Contract Teachers	Student Teacher Ratio
1	2010	111	02	04	1:18
2	2011	106	02	05	1:15
3	2012	89	02	06	1:12
4	2013	103	01	07	1:12
5	2014	105	01	07	1:13
6	2015	103	01	07	1:12

13. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S. no	Directorate	Support Staff (Technical)	Admn. Staff
1	SMS	01 (Temporary)	01 (Temporary)

14. Research thrust areas as recognized by major funding agencies

HR

MARKETING

FINANCE

SYSTEMS

15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

16. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Nil

17. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

18. Research facility / centre with a) state recognition) national recognition c) international recognition

Industry-Sponsored Laboratories: BEL, HONEYWELL, TEJAS

19. Special research laboratories sponsored by / created by industry or corporate bodies

1. Internship at Industries (BSNL, Honeywell, Infosys etc)
2. Project work at R&D Organizations (Honeywell , L & T, ISRO, DRDO, ECIL, BEL etc)

20. Publications:

Number of papers published in peer reviewed journals (national /international)

Number of papers published in peer reviewed journals

(National/International)

S. no	Name of the Faculty	National Journals	International Journals
1	Dr. P. Vijaya Kumar	09	15
2	Dr. P.V.V. Satyanaryana	19	18
3	Dr. B. Charwak	09	05
4	Smt. N. M. Jyothirmai	01	---
5	Smt. P. Devi	---	01
6	Sri. S. V. N. Kumar	01	01

Chapters in Books

S. no	Name of the Faculty	Chapter in Books
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1	Dr. P. Vijaya Kumar	01
2	Dr. P.V.V. Satyanaryana	08
3	Dr. B. Charwak	08

Edited Books - ---

Books with ISBN with details of publishers

S. no	Name of the Faculty	Title of the Book	Name of the Publisher	ISBN No
1	Dr. P. Vijaya Kumar	Strategic Management	Cengage Learning	9788131514283
2	Dr. P. Vijaya Kumar	Managerial Economics & Financial Analysis	Cengage Learning	9788131515952
3	Dr. P. Vijaya Kumar	Accounting for Managers	Himalaya Publishing House PVT.Ltd	9789351422556
4	Dr. P. Vijaya Kumar	Financial Management	Himalaya Publishing House PVT.Ltd	9789352025299
5	Dr. P. Vijaya Kumar	Management Science	Cengage Learning	9788131517109
6	Dr. P.V. V. Satyanaryana	Banker and Customer Relationship	Discovery Publishing House Pvt. Ltd., New Delhi	978-93-5056-237-6
7	Dr. P.V. V. Satyanaryana	Financial Strategic Decisions	Discovery Publishing House Pvt. Ltd., New Delhi	93-5056-715-6
8	Dr. P.V. V. Satyanaryana	Strategic Financial Management	Discovery Publishing House Pvt. Ltd., New Delhi	93-5056-719-9
9	Dr. P.V. V. Satyanaryana	Business Research Methods	Thakur Publications, New Delhi	978-93-82249-40-5
10	Dr. P.V. V. Satyanaryana	Investment Management	Thakur Publications, New Delhi	978-93-5163-305-5
11	Dr. P.V. V. Satyanaryana	Strategic Management	Thakur Publications, New Delhi	978-93-5163-305-1
12	Dr. P.V. V. Satyanaryana	Financial Risk Management	Thakur Publications,	978-93-5163-462-1

			New Delhi	
13	Dr. P.V. V. Satyanaryana	Entrepreneurship Development	Thakur Publications, New Delhi	978-93-5163-458-4
14	Dr. P.V. V. Satyanaryana	Global Financial Management	Discovery Publishing House Pvt. Ltd., New Delhi	93-5056-762-8
15	Dr. P.V. V. Satyanaryana	Strategic HRM	Discovery Publishing House Pvt. Ltd., New Delhi	93-5056-719-9
16	Dr. B. Charwak	Change Management	Thakur Publications, New Delhi	9789351634591

Number listed in International Database (for e.g. Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)- ---

Impact Factor- range: **1-10** Average:**3**

21. Details of patents and income generated Nil

22. Areas of consultancy and income generated Nil

23. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad

National:

1. Indian School of Business, Hyderabad
2. Indian Institute of Management, Indore- Delhi

International:

1. University of Highland & Ireland, Perth – Scotland
2. University of Colombo- Sri Lanka

24. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

a) National committees - **NIL**

b) International committees –**NIL**

c) Editorial Boards

S. no	Name of the Faculty	Editorial Boards
1	Dr. P. Vijaya Kumar	03
2	Dr. P.V.V. Satyanaryana	02
3	Dr. B. Charwak	01

a) any other (please specify)

Prof. P.VijayaKumar having experience as member in the following committees.

1. Life member, All India Management Association, New Delhi
2. Life member, National HRD Network
3. Member, Standing Committee of Academic Senate, JNTUK, Kakinada Since 2009
4. Chairman, Board of Studies in Management Studies, Jawaharlal Nehru Technological University Kakinada, Since 2009
5. Chairman, Board of Studies in Department of HSS, JNTUK, Kakinada
6. Member, Board of Studies in HSS, University College of Engineering, JNTUK, Kakinada
7. Member, Board of Studies in Management Studies, Adikavi Nannaya University, Rajahmundry
8. Member, Board of Studies in Management Studies, Vikrama Simhapuri University, Nellore Since, 2015
9. Member, Board of Studies in Management Studies, Gudlavalleru Engineering, Gudlavalleru, Krishna District.
10. Member, Board of Studies in Management Studies, VR Siddhartha College of Engineering , Vijayawada.
11. Member, Board of Studies in Management Studies, QIS College of Engineering & Technology, Ongole.

25. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs)

S. no	Name of the Faculty	Year	Workshops/ Conferences attended	Training Programmes	Refresher Courses
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1	Dr. P. Vijaya Kumar	2010	---	---	---
		2011	5	---	01
		2012	02	---	01
		2013	---	01	01
		2014	---	---	---
		2015	---	---	---
2	Dr. P.V.V. Satyanaryana	2010	---	02	---
		2011	01	---	---
		2012	---	---	---
		2013	---	---	---
		2014	04	---	---
		2015	03	---	---

26. Student projects

Percentage of students who have done in-house projects including inter-departmental projects: ---

YEAR	No. of Students	Percentage
2011	---	---
2012	03	8%
2013	---	---
2014	---	---
2015	---	---

Percentage of students doing projects in collaboration with other universities / industry/ institute:

YEAR	No. of Students	Percentage
2011	48	100%
2012	64	92%
2013	61	100%
2014	43	100%
2015	41	100%

27. Awards / recognitions received at the national and international level by

a) Faculty

b) Doctoral / post doctoral fellows Nil

28. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

A one Day National Workshop on “Global Financial Crisis: Impact on Indian Industry” Organized by Department of Humanities and Social Sciences, Jawaharlal Nehru Technological University, Kakinada on 21st March, 2009.

Three day Faculty development programme on “How to publish Research Work?” from 23rd October, 2010 to 25th October, 2010.

One Day National Level Work Shop on “Open Source Business Models” on 24th January, 2011

One Day Faculty development programme on “Effective Teaching Methods” on 22nd April 2011

One Day Work Shop on “Business Soft Skills” on 23rd April, 2011

One Day National Work Shop on “Practices of Patenting and Intellectual Property Rights” on 16th

August, 2011

29. Code of ethics for research followed by the departments

Followed as per the rules and regulations laid by the UGC/AICTE/University

30. Student profile programme-wise:

MBA REGULAR

Name of the Programme (refer to question no.4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2010	82	45	37	100	98
2011	86	48	38	100	100
2012	86	45	41	100	100
2013	90	43	47	100	100
2014	89	42	47	100	98
2015	93	46	47	--	--

MBA CMU

Name of the Programme (refer to question no.4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2010	29	20	09	97	100
2011	20	15	05	100	100
2012	03	03	---	100	100
2013	13	06	07	100	100
2014	16	06	07	100	100
2015	10	03	07	---	---

31. Diversity of students

Name of the Programme (refer to question no.4)	% of students from the same University	% of students from other Universities within the State	% of students from Universities outside the State	% of students from other countries
MBA(2013)	---	40 (98%)	---	01 (2%)
MBA (2015)	---	42 (93%)	---	03 (7%)

32. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	No. of Students Cleared (GMAT)
2009	05
2010	04
2011	---
2012	03
2013	12
2014	11

33. Student progression

Student progression	Percentage against enrolled
UG to PG	---
PG to M. Phil.	---
PG to Ph.D.	---
Ph.D. to Post-Doctoral	---
Employed	
• Campus selection	06
• Other than campus recruitment	72
Entrepreneurs	32

Academic Year	No. of Students Selected in Campus Selection	No. of Students Selected in Other than campus recruitment	Entrepreneurs
2011	02	25	04

2012	01	19	06
2013	02	07	07
2014	--	12	08
2015	01	09	07

34. Diversity of staff

Percentage of faculty who are graduates	
of the same University	NIL
From other Universities within State	100%
From Universities from other States	NIL
From Universities outside the country	NIL

35. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Year	M. Phil	Ph. D	D.Sc	D. Litt
2010	---	01	---	---
2011	---	---	---	---
2012	---	---	---	---
2013	---	---	---	---
2014	---	---	---	---
2015	---	---	---	---

36. Present details of departmental infrastructural facilities with regard to

a) Library

S. no	No. of Titles	No. of Volumes	No. of Journals	SC-ST Book Library
1	2,800	3,528	10	473

b) Internet facilities for staff and students

Internet facility is provided for every faculty in their respective staff rooms and PG lab is utilized by students for internet.

c) Total number of class rooms

1 Class rooms

d) Class rooms with ICT facility

01 Class rooms

e) Students' laboratories NA

f) Research laboratories NA

37. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

S. no	Name of the Research Scholar	Year of Admission	Status
1	Somayajula Vamsi Kiran	2009	---
2	Sashi Kiran. Koppulu	2009	---
3	Arja veera venkata siva Prasad	2009	Awarded
4	Mazharunnisa Begum	2009	Awarded
5	Vidya Sagar. Mullapudi	2009	Awarded
6	Madda. Jaya Sree	2009	---
7	Kiran kumar Puchakayala	2009	---
8	M.Venkata Suryanarayana	2009	Awarded
9	G. Ramachandra Murthy	2010	---
10	Saripalle Ravi Shankar	2010	Awarded
11	Ambati Vijaya Bhargavi	2010	---
12	D.S. Rao	2010	---
13	Rayudu Gangadhar	2010	Submitted
14	Maradana Satyavathi	2010	---
15	D. Sudha Rani	2010	Awarded
16	Datla Satyanarayana Raju	2010	---
17	Chukka Hari Govinda Rao	2010	Awarded
18	V.R.K.P. Kumar Mantha	2010	---
19	Reddy Praneeth Karnam	2010	---
20	E.V.P.A.S. Pallavi	2010	Awarded
21	Velaga Jyothirmai	2010	---
22	G.M.Sreedhar	2010	---
23	Jatla Nagendra Kumar	2010	---
24	Tarapatla Lokeswara Rao	2010	Submitted
25	Kondaveeti Lalitha Bhavani	2010	---
26	Sugunakara Rao Pogiri	2010	---
27	B.G.K. Murthy	2010	Submitted
28	Noor Basha Hasanuddin	2010	---
29	Suresh Kumar Chadalawada	2010	---
30	Adapa Raja Suresh Kumar	2010	---
31	Kangala Anusha	2012	---
32	Gujjaru Christ Kishore Kumar	2012	---
33	Chakravarthi Anand	2012	---
34	Nareddi Lakshmi Rajeswari	2012	---
35	Savanam Chandra Sekhar	2012	---
36	Gandi Appala Narasimham	2012	---
37	Sree Pavani Vanteddu	2012	---
38	Arigela Srinivasa Rao	2012	---
39	Madhavi Lakshmi Ponnappalli	2012	---
40	Pusarla Lakshmi Padmaja	2012	---

41	Afshan Sultana Nawab	2012	---
42	L.V.R. Lokesh	2012	---
43	Seepana Venkata Giridhara Rao	2012	---
44	Suresh Aaluri	2013	---
45	K. Vinaya Lakshmi	2013	---
46	I.Mohana Krishna	2013	---
47	K. Srinivasa Reddy	2013	---
48	Alapati Venkata Bala Krishna	2013	---
49	V. Sailaja	2013	---
50	P. S. Viswanadh	2013	---
51	Ramesh	2014	---
52	K.V.V.S. Kumar Varma	2014	---
53	S. Venkata Siva Kumar	2014	---
54	Sureendra Verru	2014	---
55	Sundara Krishna Sowjanya	2014	---
56	Parimi Sri Padmavathi	2014	---
57	G. Bharathi	2014	---
58	G. Bharathi	2014	---
59	Boddu Bala Tripura Sundari	2014	---
60	Chevuri Srinivasa Rao	2014	---

b) from other institutions/universities

38. Number of post graduate students getting financial assistance from the university.

M.Tech(C&C) – 5, M.Tech(I&Cs) - 5

39. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Conducted subject experts meetings before the designing the syllabus.

Feedback from affiliated colleges senior faculty before designing the specializations

40. Does the department obtain feedback from

Faculty on curriculum as well as teaching-learning evaluation? If yes, how does the department utilize the feedback?

By conducting regular faculty meeting we change the teaching methods like group discussions, case studies, seminars etc.

Students on staff, curriculum and teaching-learning evaluation and how does the department utilize the feedback? No

Alumni and employers on the programmes offered and how does the department utilize the feedback?

Arrange regular alumni meetings utilize the feedback in designing the course structure and evaluation method.

41. List the distinguished alumni of the department

Sl. No.	Name of the distinguished alumni	Designation/Post	Company
1	Sri. V. V. Sastry	CMD	BEL, Banglore
2	Dr. M. Y. S. Prasad	Rtd. Director	SHAR
3	K. I. Varaprasad Reddy	GM	Santha Bio-Tech
4	J. Samal Rao	Principal Secretary	HMWS
5	Dr. A. Vijaya Lakshmi	Professor, Research Director	Rutgers University, NewJersy

42. Give details of student enrichment programmes (special lectures / workshops /seminar) involving external experts. NA

45. List the teaching methods adopted by the faculty for different programmes.

1. Class Room Teaching
2. Case Study Method
3. In Basket Exercise Method
4. Role Play Method
5. Group Discussions

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

By comparing the every year results ad employability of the students we ensure the programme objectives are satisfactorily reaching

47. Highlight the participation of students and faculty in extension activities. NSS, NCC, INDUSTRIAL TRAININGS, Workshops, Sport and games , Cultural activities

The following activities is conducting by School of Management Studies

Academic Year	Sports Events
2010	---

2011	---
2012	01
2013	02
2014	03
2015	01

48. Give details of “beyond syllabus scholarly activities” of the department.
 Encouraging the Faculty to prepare the syllabus related Indian cases to be discussed in the class
 Be in touch continuously with industry for first hand exposure for the students
 Conduct management meet and workshops
 Providing special coaching for students who want to be entrepreneurs
 Conducted skill development programme through National Stock Exchange to improve the self employment, and employability
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
 NO
50. Briefly highlight the contributions of the department in generating new knowledge, basic or app.lied.
 Faculty is publishing books that are related to courses
51. Detail five major Strengths, Weaknesses, Opp.ortunities and Challenges (SWOC) of the department.
 Strengths:
 1. Young University
 2. Better scope for the fast development of the city industrially
 3. Allied knowledgeable faculty in other departments in the University
 Weaknesses:
 1. Few faculty (Regular)
 2. More dependency on the Government
 3. Rural back ground students with little exposure
 Opportunities:
 1. Scope for more industries in the city

2. Wide scope for port based activities
3. Scope for more employability near surroundings of the University

Challenges:

1. Increasing competition
2. Scarcity of competent faculty
3. Decreasing support from the Government

52. Future plans of the department.

1. To start need based diploma courses
2. To work out to have collaborations with leading schools in India and abroad with student and faculty exchanges
3. To start an HRD center
4. To start consultancy wing.

SCHOOL OF FOOD TECHNOLOGY

1. Name of the Department : School of Food Technology
2. Year of establishment : 2011
3. Is the Department part of a School/Faculty of the university?: School is part of the University
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) M.Tech in Food Processing Technology
5. Interdisciplinary programmes and departments involved Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. Nil
7. Details of programmes discontinued, if any, with reasons Nil
8. Examination System: Semester system
9. Participation of the department in the courses offered by other departments Nil
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS&MPS)
Professor	Nil	Nil	Nil
Associate Professor	Nil	Nil	Nil
Asst. Professors	Nil	Nil	Nil
Others	Nil	Nil	Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M. Tech students guided
Prof. P. Ramakrishna	M.Tech, FAFST	Programme Director	Food Engineering	40	100
Mr. S. Sasikanth	M.Tech	Asst. Professor (contract)	Food Engineering	4	32
Ms. T. Madhuri	M.Tech	Asst. Professor (contract)	Food Science & Technology	1	7
Ms. D. Susan Kanthi	M.Tech	Asst. Professor (contract)	Food Processing Technology	1	7
Ms. P. Aiswarya*	M.Tech	Asst. Professor (contract)	Food Processing Technology	1	14

* Recently resigned and yet to be filled up

19. List of senior Visiting Fellows, adjunct faculty, emeritus professors
Retd. Scientists from CFTRI, Ex Professors from ANGRAU.
20. Percentage of classes taken by temporary faculty – programme-wise information
80% (experts from industries, R&D organizations, Universities – 20%)
21. Programme-wise Student -Teacher Ratio 5:1
22. Number of academic support staff (technical) and administrative staff: sanctioned,
filled and actual Nil
23. Research thrust areas as recognized by major funding agencies
Nano Food Technology
Fortification
New Product development
24. Number of faculty with ongoing projects from a) national b) international funding
agencies and c) Total grants received. Give the names of the funding agencies,
project title and grants received project-wise.

No. of Faculty	Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
5	Upgradation of Food Testing Laboratory	2016-18	Andhra Pradesh Food Processing Society	4,40,00,000	1,75,00,000

25. Inter-institutional collaborative projects and associated grants received
Collaborative project with department of Nano Technology submitted to DBT:
Title: Development of eco sustainable Bio-Nano composites for food packaging using
microbial polyester reinforced with hybrid Nano fibrils
Total project cost: Rs. 90 lakhs
22. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
Project at Sno. 18 above, is under consideration by Task force on Nano Technology, DBT

23. Research facility / centre with
- ❖ state recognition Yes
 - ❖ national recognition Yes
 - ❖ international recognition
27. Special research laboratories sponsored by / created by industry or corporate bodies
1. Food Testing Laboratory- sponsored by Ministry of Food Processing Industries, Delhi
 2. Up gradation of Food Testing Laboratory- sponsored by AP Food Processing Society
28. Publications: Nil
- ❖ Number of papers published in peer reviewed journals (national / international): 3
 - ❖ Monographs
 - ❖ Chapters in Books : 1
 - ❖ Edited Books
 - ❖ Books with ISBN with details of publishers
 - ❖ Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - ❖ Citation Index – range / average SNIP
 - ❖ SJR
 - ❖ Impact Factor – range / average
 - ❖ h-index
29. Details of patents and income generated: Nil
30. Areas of consultancy and income generated:
Testing of food materials in Food Testing Laboratory - 7.5lakhs
31. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
32. Faculty serving in
- b) National committees b) International committees c) Editorial Boards

Prof. P. Ramakrishna	Scientific Panel member	FSSAI
Mr. S. Sasikanth	Hon. Secretary	AFST(I) Kakinada chapter
Ms. T. Madhuri	Hon. Treasurer	AFST (I) Kakinada chapter
Ms. P. Aiswarya	Hon. Joint Secretary	AFST (I) Kakinada chapter

28. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Workshops

Training programs

33. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: Nil
- percentage of students doing projects in collaboration with other universities / industry / institute: 100% (all project works are carried out in Leading Food Industries)

34. Awards / recognitions received at the national and international level by

- Faculty :

S.No	Name of the faculty	Recognition			
1.	Mr. S. Sasikanth	National	Eligibility	Test	–
	ICAR/UGC				
2.	Ms. D. Susan Kanthi	National	Eligibility	Test	–
	ICAR/UGC				

- Doctoral / post-doctoral fellows

- Students :

S.No	Name of the student	Awards
1.	Mr. P. Rupa Kumar	Prathibha Award in Elocution - Govt of AP
2.	Ms. K. Saranya Chandana Priya	Prathibha Award in Elocution - Govt of AP
3.	Mr. V. Rajinikar Reddy	Prathibha Award in Essay writing - Govt of AP

35. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.

SNO	NAME OF THE SEMINAR/ WORKSHOP	SOURCE OF FUND	Chief Guest
1.	Workshop on Sea Food Industries	Ministry of Food Processing Industries	Dr. S. Ayyappan, D.G – ICAR

2	Workshop on Rice Industries	East Godavari Rice millers association	Dr. U. Venkateswarlu, Joint Secretary, MoFPI
3.	Workshop on Vegetable Oils	Oil Industries	Dr. R.B.N. Prasad, Chief Scientist, CSIR-IICT
4.	World Food Day & Aahar 2K16	AFST(I)	Dr. B.N Reddy Vice Chancellor, Dr. YSR Horticultural University

36. Code of ethics for research followed by the departments

As per the guidelines from Directorate of R&D

37. Student profile programme-wise:

Name of the Programme	Total Admissions	Male	Female	Pass percentage	
				Male	Female
M.Tech(2010-2015)	107	44	63	100%	100%

36. Diversity of students

Name of the Programme	% of the students from the same university	% of the students from other universities within the state	% of the students from universities outside of the state	% of the students from other countries
M.Tech	--	95%	5%	0%

36. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

GATE	8
PGECET	69

37. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	Nil
PG to Ph.D.	Nil

Ph.D. to Post-Doctoral	Nil
Employed	90%
Campus selection	5%
Other than campus recruitment	85%
Entrepreneurs	Nil

53. Diversity of staff

Percentage of faculty who are graduates	
of the same university	40%
from other universities within the State	0
from universities from other States	60%
universities outside the country	0

39. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period Nil

40. Present details of departmental infrastructural facilities with regard to

- a) Library 400 books
- b) Internet facilities for staff and students Yes
- c) Total number of class rooms 2
- g) Class rooms with ICT facility 2
- h) Students' laboratories 4
- i) Research laboratories 2
- j) Pilot plants 1

48. List of doctoral, post-doctoral students and Research Associates : Nil

- a) from the host institution/university
- b) from other institutions/universities

49. Number of post graduate students getting financial assistance from the university.
Nil

50. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes.. Based on the projections of MOFPI

51. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? :

Yes- Feed back is used by BOS to improve the curriculum

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :

Yes – Feedback is used to improve the teaching methodologies

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes – Feedback is used for improving the course structure/placements

52. List the distinguished alumni of the department (maximum 10)

Sno.	Name of the Student	Name of the Organization
1.	Ms. Kollu. Namratha	Sabmiller, Pondicherry
2.	Ms. Anukula Grace	ITC, Bangalore
3.	Mr. Remalli Naresh	ITC, Guntur
4.	Ms. K. Lakshmi Sindhura	Nestle, Goa
5.	Mr. B. Bhuvana Murthy	IFFCO, Dubai
6.	Mr. Penubali Anvesh	GSK, Rajahmundry
7.	Mr. B. Venkata Reddy	CPF India, Chittoor
8.	Mr. N. Naveen Kumar	Godrej Tyson, Bangalore
9.	Mr. G. Bala Gangadhar Reddy	Olam India, Vizianagaram
10.	Mr. K. Veera Vishwa Chaitanya	Vimta Labs, Hyderabad

53. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Guest lectures of experts/executives/scientists from industries/R&D organizations

World Food Day

Seminars/workshop by School of Food Technology & AFST(I)

54. List the teaching methods adopted by the faculty for different programmes.
- Virtual Laboratories
 - e- books/ e- journals
 - Industrial Visits
 - Videos & Animations
 - Solving Problems
55. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- ❖ Surprise Tests
 - ❖ Group discussions
 - ❖ Assignments
 - ❖ Feedback from students
56. Highlight the participation of students and faculty in extension activities.
- ❖ Swachh Bharat campaign
 - ❖ Awareness Programs in schools
53. Give details of “beyond syllabus scholarly activities” of the department.
- ❖ R&D/New Product Development
 - ❖ Consultancy
 - ❖ Testing Food Materials for Industries, Regulatory bodies and others
 - ❖ Organizing workshops and symposiums
54. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : AICTE
55. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Internship programs/project of students in industries have led to generation of new products, Process improvement, Improvement in shelf life of products, Validation/Development of analytical methods & Waste utilization
56. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths	State of art infrastructure Industry collaboration in project work/internship with stipend. Association of Food Scientists & Technologists India, Kakinada chapter Food Testing Laboratory accredited by NABL and recognized by FSSAI.
Weakness	Lack of Permanent faculty
Opportunities	UG program, Training/Awareness programs, diploma/certificate courses & skill development programs
Challenges	Collaboration with International Universities. 100% placements.

57. Future plans of the department.

- ❖ Introduction of B.Tech in Food Science & Technology
- ❖ Consultancy assistance to Industries
- ❖ Research on development of Nano Food Packing material, Food Fortification & New product development.

Declaration by Head of the Institute

I certify that the data include in this Self Study Report (SSR) are true to the best of my knowledge

The SSR is prepared by th institution after internal discussions, and no part therof has been outsourced

I am aware that the Peer team will validate the information provided in the SSR during the Peer tem visit.



C. S. S. S.

REGISTRAR
J.N.T. University Kakinada
KAKINADA-533 003

Signature of the Head of the Institution

Place: Kakinada

With seal

Date: 21-2-2017



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