

SELF STUDY REPORT OF
NARASARAOPETA ENGINEERING COLLEGE
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada.
Accredited by NBA
[EEE,ME,ECE&CSE UG Programs]
Kotappakonda Road,
Yellamanda Post,
Narasaraopet, Guntur Dist., A.P



FOR
ACCREDITATION – 1ST CYCLE

SUBMITTED TO:
National Assessment and Accreditation Council,
P.B.No 1075, Opp to NLSIU,
Bangalore University Campus,
Nagarbhavi, Bangalore-72.

FEBRUARY 2014

A. Covering Letter

With the impetus in the growth of general manufacturing industries and information technology industry in the last three five year plans, it has become imperative to shift emphasis on engineering education from the conventional areas of engineering to the fast developing areas of electronics, communication, computer science and information technology.

An estimate of the manpower requirements in the emerging areas has shown that there is a substantial gap between the supply and demand, with the demand far exceeding the supply.

Having visualized this, to provide engineering education to the people of Palanadu area of the Guntur District “**Gayatri Educational Development Society**” was constituted and registered as an educational society at Narasaraopet on 6th October, 1997. The Society aims at providing higher and quality technical and general education in Narasaraopet area. To achieve its much cherished mission, the society under the leadership of Sri M.V.Koteswara Rao, a pioneering personality in the area, established “Narasaraopeta Engineering College” on 25.6.1998, the first engineering college in the region.

It was affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad, A.P. After the division of JNT University into three Technological Universities, presently the college is affiliated to Jawaharlal Nehru Technological Kakinada (JNTUK), Kakinada.

The college had started with an initial intake of 180 B.Tech students in the four branches of Engineering including CSE, IT, ECE and EEE. Gradually, the sanctioned intake increased to **1422 in 2012-2013**, over six branches of engineering offering UG & PG programs, MBA & MCA (UG Intake 1050 + PG Engg.192 + MBA 120 + MCA 60). NEC today is bestowed with advance infrastructure which includes modern buildings, labs, library, cement roads and lush landscaping around the campus. The campus is characterized by cultural, racial and gender diversity in the faculty, staff and students. The practices and programs of the College embody the ideals of an open and democratic society.

Dr.B.V.Rama Mohana Rao, Principal of the college leads by example with an impressive qualification which includes M.Tech and Ph.D from I.I.T. Kharagpur. He has to his credit a teaching experience of more than 18 years and around 14 years of experience in academic administration.

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B. Profile of the Affiliated /Constituent College

1. Name and address of the college:

Name: Narasaraopeta Engineering College

Address: Kotappakonda Road, Yellamanda Post, Narasaraopet

City: Narasaraopet

Pin: 522601

State: Andhra Pradesh

Website: www.nrtengcollege.com

2. For communication:

Designa- tion	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr.B.V.Rama Mohana Rao	O: 08647- 239903 R: 08647- 231932	9989734703	08647-239902	nrtec_principal @yahoo.com

3. Status of the of Institution :

Affiliated College

Constituent College

Any other (specify)

Permanent
Affiliation

4. Type of Institution:

- a. By Gender - **Co-education**
b. By shift - **Regular**

Is it a recognized minority institution? - **No**

5. Source of funding : Self-financing

6. a. Date of establishment of the college: 25/06/1998

- b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA, KAKINADA.

- c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks (If any)
i. 2 (f)	19-06-2012	
ii. 12 (B)	19-06-2012	

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC

(AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/Department/ Programme	Intake	Day, Month and Year (dd-mm-yyyy)	Validity
1.	B.TECH – CIVIL ENGINEERING	120	19-3-2013	2013-14
2.	B.TECH -MECHANICAL ENGINEERING	240	19-3-2013	2013-14
3.	B.TECH -ELECTRICAL & ELECTRONICS ENGINEERING	120	19-3-2013	2013-14
4.	B.TECH -ELECTRONICS & COMMUNICATION ENGINEERING	240	19-3-2013	2013-14
5.	B.TECH -COMPUTER SCIENCE & ENGINEERING	240	19-3-2013	2013-14
6.	B.TECH -INFORMATION TECHNOLOGY	90	19-3-2013	2013-14
7.	M.TECH – DIGITAL ELECTRONICS & COMMUNICATION SYSTEMS	18	19-3-2013	2013-14
8.	M.TECH – POWER & INDUSTRIAL DRIVES	18	19-3-2013	2013-14
9.	M.TECH – COMPUTER SCIENCE & ENGINEERING	36	19-3-2013	2013-14
10.	M.TECH – DIGITAL SYSTEMS & COMPUTER ELECTRONICS	18	19-3-2013	2013-14
11.	M.TECH – CAD/CAM	18	19-3-2013	2013-14
12.	M.TECH – COMPUTER SCIENCE	18	19-3-2013	2013-14
13.	M.TECH – POWER ELECTRONICS & ELECTRICAL DRIVES	18	19-3-2013	2013-14
14.	M.TECH – THERMAL ENGINEERING	24	19-3-2013	2013-14
15.	M.TECH – MACHINE DESIGN	24	19-3-2013	2013-14
16.	MASTER OF COMPUTER APPLICATIONS	60	19-3-2013	2013-14
17.	MASTER OF BUSINESS ADMINISTRATION	120	19-3-2013	2013-14

(A Copy of the recognition/approval letter from AICTE is Enclosed))

7. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges? Yes
- If yes, has the College applied for availing the autonomous status? No
8. Is the college recognized
- a. by UGC as a College with Potential for Excellence (CPE)? No
- b. for its performance by any other governmental agency? No

9. Location of the campus and area in sq.mts:

Location *	Rural Area
Campus area in sq. mts.	12.10 ACRES
Built up area in sq. mts.	31,362

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

10. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities ✓
- Sports facilities
 - * Play ground ✓
 - * Swimming pool ×
 - * Gymnasium ✓
- Hostel
 - * Boys' hostel
 - i. Number of hostels - 1
 - ii. Number of inmates - 58
 - iii. Facilities (mention available facilities) : Library, Computers with Internet
 - * Girls' hostel
 - i. Number of hostels - 1
 - ii. Number of inmates - 360
 - iii. Facilities (mention available facilities) – Common rooms, Study rooms, Library, Computers with Internet
 - * Working women's hostel - ×
- Residential facilities for teaching and non-teaching staff (give numbers available -- cadre wise)
- Cafeteria -- ✓
- Health centre – ✓

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....

Health centre staff –

Qualified doctor	Full time	×	Part-time	✓
Qualified Nurse	Full time	×	Part-time	✓
- Facilities like banking, post office, book shops ✓
- Transport facilities to cater to the needs of students and staff ✓
- Animal house ×
- Biological waste disposal ×
- Generator or other facility for management/regulation of electricity and voltage ✓

11. Details of programmes offered by the college (Give data for current academic year)

Sl. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
1.	Under-Graduate	B.TECH – CIVIL ENGINEERING	4 Yrs	Through CET and 45% in 12 th	English	120	96
2.		B.TECH -MECHANICAL ENGINEERING	4 Yrs	Through CET and 45% in 12 th	English	240	178
3.		B.TECH -ELECTRICAL & ELECTRONICS ENGINEERING	4 Yrs	Through CET and 45% in 12 th	English	120	35
4.		B.TECH -ELECTRONICS & COMMUNICA-TION ENGINEERING	4 Yrs	Through CET and 45% in 12 th	English	240	180
5.		B.TECH -COMPUTER SCIENCE & ENGINEERING	4 Yrs	Through CET and 45% in 12 th	English	240	110
6.		B.TECH –INFORMATION TECHNOLOGY	4 Yrs	Through CET and 45% in 12 th	English	90	0
7.	Post-Graduate	M.TECH – DIGITAL ELECTRONICS , COMMUNICA-TION SYSTEMS	2 Yrs	Through CET and UG - 50%	English	18	14
8.		M.TECH – POWER & INDUSTRIAL DRIVES	2 Yrs	Through CET and UG - 50%	English	18	13
9.		M.TECH – COMPUTER SCIENCE & ENGINEERING	2 Yrs	Through CET and UG - 50%	English	36	27
10.		M.TECH – DIGITAL SYSTEMS & COMPUTER ELECTRONICS	2 Yrs	Through CET and UG - 50%	English	18	10
11.		M.TECH – CAD/CAM	2 Yrs	Through CET and UG - 50%	English	18	6
12.		M.TECH – COMPUTER SCIENCE	2 Yrs	Through CET and UG - 50%	English	18	10
13.		M.TECH – POWER ELECTRONICS & ELECTRICAL- DRIVES	2 Yrs	Through CET and UG - 50%	English	18	10
14.		M.TECH – THERMAL ENGINEERING	2 Yrs	Through CET and UG	English	24	18
15.		M.TECH – MACHINE DESIGN	2 Yrs	Through CET and UG	English	24	15
16.		MASTER OF COMPUTER APPLICA-TIONS	3 Yrs	Through CET and 50%	English	60	60
17.		MASTER OF BUSINESS ADMINISTRA-TION	2 Yrs	Through CET and UG-50%	English	120	120

12. Does the college offer self-financed Programmes? No

13. New programmes introduced in the college during the last five years if any?

Yes	✓	Number	6

Details:

B.Tech – Civil Engineering

M.Tech- PE&ED, CS, CAD/CAM, Thermal Engg. , Machine Design.

14. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Particulars	UG	PG	Research
Science			
Arts			
Commerce			
Any Other not covered above	1. Electronics & Communication Engineering 2. Computer Science & Engineering 3. Electricals & Electronics Engg. 4. Information Technology 5. Mechanical Engineering 6. Civil Engineering	1. Electronics & Communication Engineering 2. Computer Science & Engg. 3. Electricals & Electronics Engineering 4. Mechanical Engineering 5. MBA 6. MCA	

15. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

a. annual system

✗

b. semester system

17

c. trimester system

✗

16. Number of Programmes with

a. Choice Based Credit System

6

b. Inter/Multidisciplinary Approach

✗

c. Any other (specify and provide details)

✗

17. Does the college offer UG and/or PG programmes in Teacher Education?

No

18. Does the college offer UG or PG programme in Physical Education?

No

Number of teaching and non-teaching positions in the Institution –

Actual

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC/University/State Government <i>Recruited</i>										
<i>Yet to recruit</i>										
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	30	4	50	15	135	42	41	2	29	3
<i>Yet to recruit</i>										

*M-Male *F-Female

19. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
D.Sc./D.Litt.							
Ph.D.	23	2	-	-	-	-	25
M.Phil./M.Tech/MC A/MBA	7	2	50	15	87	17	178
PG					27	14	41
B.Tech					21	11	32

20. Number of Visiting Faculty /Guest Faculty engaged with the College.

21. Furnish the number of the students admitted to the college during the last four academic years.

B.Tech

Categories	Year 1 2010-11		Year 2 2011-12		Year 3 2012-13		Year 4 2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	44	16	60	19	55	09	27	09
ST	13	6	12	6	10	01	03	05
OBC	141	52	180	46	164	39	165	38
General	185	110	213	111	164	164	220	130
Others								

M.TECH

Categories	Year 1 2010-11		Year 2 2011-12		Year 3 2012-13		Year 4 2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	7	5	15	2	14	05	21	02
ST	2	-	1	-	02	00	02	00
OBC	12	6	15	1	26	11	24	12
General	11	8	17	10	35	16	34	19
Others								

MCA

Categories	Year 1 2010-11		Year 2 2011-12		Year 3 2012-13		Year 4 2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	1	-	2	-	00	00	01	0
ST	-	-	1	-	0	0	0	0
OBC	12	4	5	2	11	03	13	7
General	13	12	12	7	17	12	19	20
Others								

MBA

Categories	Year 1 2010-11		Year 2 - 2011-12		Year 3 2012-13		Year 4 2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	5	1	3	1	6	0	7	0
ST	1	-	1	-	0	1	1	0
OBC	8	1	13	1	22	8	20	6
General	13	6	10	6	33	26	48	45
Others								

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	597	310	NA	NA	907
Students from other states of India	2	0	NA	NA	02
NRI students	Nil	Nil	NA	NA	
Foreign students	Nil	Nil	NA	NA	
Total	599	310			909

25. Dropout rate in UG and PG (average of the last two batches)

UG

6%

PG

9%

26. Unit Cost of Education

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

(a) Including the salary component

Rs.31,892

(b) Excluding the salary component

Rs. 5,796

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes

×

No

✓

28. Provide Teacher-student ratio for each of the programme/course offered

UG- 1:15 and PG – 1:12

29. Is the college applying for

Accreditation : Cycle 1 ✓

Cycle 2 ×

Cycle 3 ×

Cycle 4 ×

Re-Assessment: No

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 2: (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 3: (dd/mm/yyyy) Accreditation Outcome/Result.....

*** Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.**

NA

31. Number of working days during the last academic year.

270

32. Number of teaching days during the last academic year

(Teaching days means days on which lectures were engaged excluding the examination days)

200

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

IQAC : 20/12/2012

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

Not Applicable since we are submitting application for accreditation for the first time

AQAR (i) (dd/mm/yyyy)

AQAR (ii) (dd/mm/yyyy)

AQAR (iii) (dd/mm/yyyy)

AQAR (iv) (dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include.

Criteria-Wise Inputs

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution and describe how these are communicated to the students, teachers, staff and other stakeholders.

Our Vision

To Groom Narasaraopeta Engineering College, the first Engineering college in Palnadu region of Andhra Pradesh, as a Technological Hub and Gateway of knowledge with Indian values and Universal standards.

Our Mission

- To employ faculty and staff with performance of Excellence and Dedication.
- To develop advanced state-of-the-art Technological Laboratories with latest equipment and infrastructure.
- To establish huge and world class Library with International and National Journals and Books.
- To have Advanced R&D through interaction with highly reputed industries and academically premier institutes.
- To start more post graduate programs in thrust areas and finally go to the Deemed University status.

Objective

- Excellence in Education
- Multidisciplinary collaboration
- Inter-institutional catalyst
- Diverse and empowered faculty
- Spectrum of services
- Consulting services
- Quick response

Excellence in Education:

- Promote the advancement of knowledge in various disciplines of Engineering.
- Devise curriculum that incorporates sound engineering and planning philosophies and professional practices that recognize community and national goals for sustainability, environmental sensitivity, livability and safety.
- Identify and prioritize present and emerging issues in various disciplines of engineering.
- Demonstrate the state of art technology through laboratory experiments.
- Disseminate timely information on research, practice and policy innovations.
- Develop and publish manuals, course material and other materials for the benefit of students.

Multidisciplinary collaboration:

- Commit to productive professional discussions and information sharing for policies, systems and projects related to concerned disciplines of Engineering.
- Sponsor multidisciplinary professional conferences, forums and other outreach activities.
- Publish multidisciplinary pamphlets and electronic resources.

Inter- institutional catalyst:

- Take a leadership role in defining and discussing issues related to their respective branches of Engineering.
- Organize Institute members to respond to important policy issues.
- Use the media to promote public awareness of the importance of latest technologies and improve public awareness.
- Inform other professional organizations of Institute's goals and activities.
- Discuss cooperative opportunities for conferences, publications and projects.
- Increase cooperation among academia, industry, consultants and government agencies.

Diverse and empowered faculty:

- Promote active faculty participation and provide leadership opportunities
- Recruit faculty from a variety of disciplines
- Promote active participation by alumni, recognized members from local bodies, industry and other professional organizations
- Recognize outstanding achievements and service of Department faculty.

Spectrum of services:

- Provide opportunities for the stakeholders to share information, practices and technology.
- Plan and organize professional development courses, workshops, seminars etc.
- Identify and provide other needed professional services for stakeholders.

Consulting services:

- Provide opportunities for faculty and students to participate in industrial consulting.

Use finances from consulting for creating advanced facilities.

Quick response:

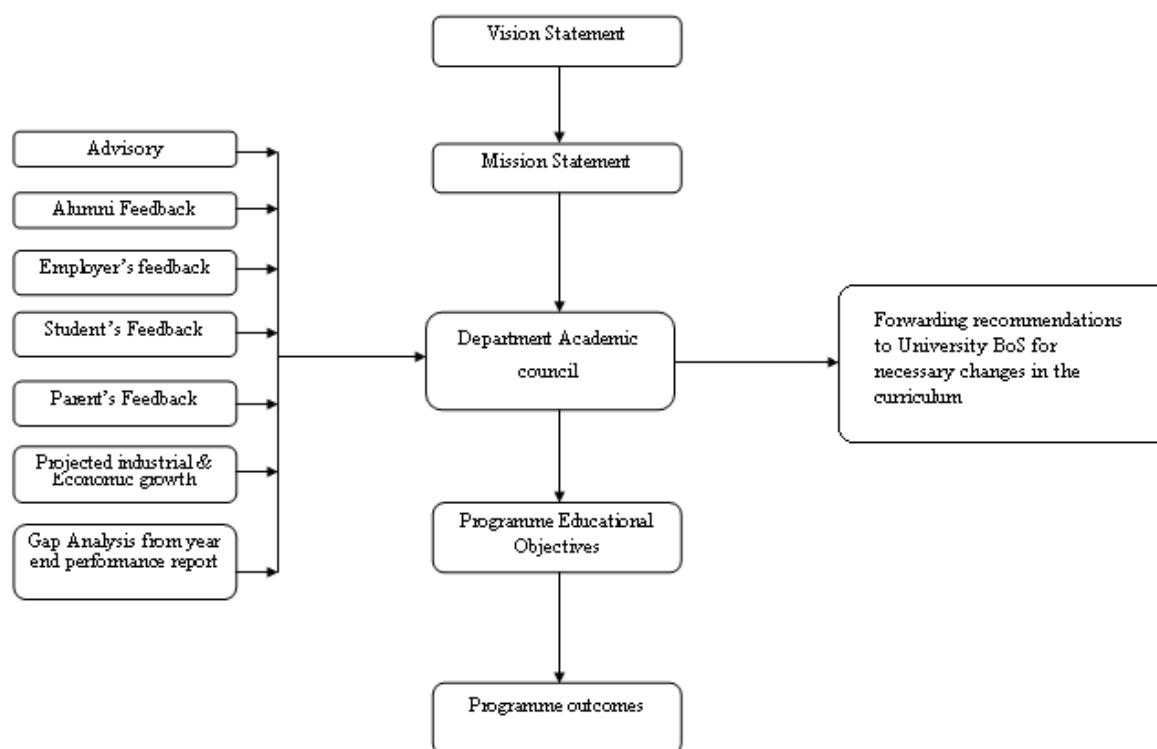
- Identify emerging issues and proactively develop Department policy and activities.
- Streamline Department management procedures.

Communication Method

- The vision, mission and objectives of the institution are displayed at all the prominent places like reception, principal's office, concerned departments, notice boards, library, laboratories, website etc. for effective communication to all concerned.
- In the Principal's address during the orientation program at the beginning of the year, the vision and mission are communicated to the students.
- Besides this, students, parents, faculty members, non-teaching staff and other stakeholders are given a detailed printed prospectus and handouts which give information about mission and vision.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

- The basic task of development of curriculum is done by the affiliating university - JNTUK. However, the institution has formed various committees like Academic Committee, Feedback Committee etc. Consisting of the Principal, senior professors, students, eminent personalities from both academics and industry for developing and deploying action plans for the effective implementation of curriculum.
- The institution, with the feedback and analysis provided by various committee members, has clearly defined Program objectives, Program Outcomes, Course objectives and outcomes for imparting quality education. **(Ref: Annexure I – A)**
- All the Heads of Department, in consultation with the faculty members and based on the guidelines provided by the affiliating university, formulate the academic calendar in tune with the academic calendar issued by affiliating University (JNTUK) before the commencement of each academic year. The academic calendar details about various subjects to be taught in each course and duration for completion and the evaluation methods and frequency.
- Lesson plans are developed for each session defining the topics to be covered in each session and the duration and also stating various delivery methods (lectures, presentations, practical, classroom activities etc.). It also consists of various sources for reference by the students.
- The effectiveness of implementation of the curriculum is assessed by conducting various tests (classroom test, semester exams, mid exams etc.) on a regular basis and through a well-defined feedback system consisting of all the stakeholders.



1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

- Faculty Development Programs are conducted regularly for keeping the faculty members updated with the new technologies and discoveries in their fields. The FDPs also help them acknowledged with new teaching methods and various innovations in the teaching-learning processes. **(Ref: ANNEXURE II-D)**
- Departmental meetings are conducted to discuss the teaching problems and new teaching practices.
- Eminent personalities from industry, other institutions and research bodies are invited frequently for seminars and conferences for faculty development.
- Faculty members are provided with a large resource of books, journals and other reference materials through the central library. Faculties are also given access to various research publications by industry and eminent research bodies.
- Faculty members are also encouraged to take up further studies to improve their knowledge base.
- The institution provides infrastructural facilities like well-equipped labs, new teaching aids such as OHP, projectors and computers etc. to improve teaching practices.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- Apart from the conventional black board teaching the following methods are adopted/introduced in order to ensure effective curriculum delivery
 - i. Presentations
 - ii. Teaching with visual aids: OHP, LCD Projector

- iii. Role Play
 - iv. Working Model/Visual Charts
 - v. Video Lectures
 - vi. Practical application.
 - vii. Industry visits
 - viii. Academic tours
- The institution provides well-furnished labs in all the departments with the latest infrastructure facilities for gaining practical knowledge through lab practice and project works.
 - The college has a central library with 6785 titles and 41853 volumes of books and 160 journals/Magazines along with digital library facility for reference by students and faculty members.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?

- The institution from time to time interacts with various beneficiaries such as industry, research bodies and the University for the Effective Operationalization of the curriculum.
- Eminent personalities from industry, research bodies and educational institutions are made part of various committees in the institute and the committee members meet regularly to discuss various aspects to provide quality education.
- The inputs received from various stakeholders and committee members are discussed amongst the faculty members of the concerned departments and initiatives are taken to implement the suggestions.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

- The institution has formed various committees consisting of the faculty of the departments, faculty of affiliating colleges and subject experts from other Universities and industry.
- Written and verbal feedbacks are taken from faculty members, students, parents and alumni at the semester end.
- The institution also has its faculty members as members in their respective Board of Studies of the University.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university)by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

No, the institution does not offer any course other than those under the purview of the affiliating university.

1.1.8 How does institution analyze /ensure that the stated objectives of curriculum are achieved in the course of implementation?

The institution makes sure that the stated objectives of curriculum are achieved in the course of implementation by the following ways:

- **University examination results:** The University conducts exams like mock test, mid exam, final exams etc .The examination scores of the individuals and the consolidated results are analyzed to evaluate the extent to which the course objectives have been achieved.
- **Internal Assessment:** The students are internally assessed by the subject faculty through internal examinations conducted per semester and other assignments on their understanding the curriculum. Understanding of the subject by the student is also analyzed through mentorship initiatives.
- **Corporate feedback:** Feedback about our students from the corporate representatives who have recruited our students on the basis of their competencies and curriculum understanding are taken regularly.
- **Faculty Feedback:** Semester wise feedback of the faculty members on various attributes are collected from the students to assess the effectiveness of the faculty members in delivering the curriculum. Feedback is also obtained on curriculum from students and faculty at the end of the semester in addition to the feedback on performance of faculty.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the institution: NA

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details : No

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability

- Range of Core/Elective options offered by the University and those opted by the college.
- Choice Based Credit System and range of subject options
- Courses offered in modular form
- Credit transfer and accumulation facility
- Lateral and vertical mobility within and across programmes and courses
- Enrichment courses
- **Range of Core/Elective options offered by the University and those opted by the college:** The University has given options of elective subjects in all the courses. The college has opted elective options which do help the students in terms of skill development and improve potential for employability. Students are properly guided and given the freedom to take the subject of their choice from a wide range of options. The Admission Coordinators counsel the students & help them choose according to their aptitude & ability. **(Ref: ANNEXURE I-B)**

- **Choice Based Credit System and range of subject options:**

As per the JNTUK academic regulation, a UG student is eligible for award of degree by exempting maximum of 8 credits i.e 2 theory subjects in his course. This facility is not extended to PG courses.

- **Courses offered in modular form:** All our courses are in modular form.

- **Credit transfer and accumulation facility:** The affiliating university does not offer any opportunity of Credit transfer and accumulation facility.

- **Lateral and vertical mobility within and across programmes and courses:** The affiliating university does not offer any Lateral and vertical mobility within and across programmes and courses.

- **Enrichment courses:** To ensure skill development, progression to the higher studies and increase the potentiality for employability, the college has added various subjects to the prescribed courses meeting the current industry trends and the institution also organizes Spoken English and personality development classes through language lab for the students. (Ref: Annexure I-C)

1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

The institute does not offer any self financed programs.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.

- Various seminars, workshops, conferences and guest lectures are arranged for the enhancing student's knowledge apart from the curricula.
- Students are made members of ISTE to harness their knowledge and to get larger exposure to various workshops and seminars conducted by the body. (Ref: Annexure III-E)
- Special training classes are organized in communication skills, soft skills, industry related subjects like Ansys, CATIA, CAD/CAM, MAT Lab, Robotics and roid, Cloud Computing, Java Professional etc. in addition to the curriculum to improve the employment opportunities and meet the global requirements of Industry.
- The college has entered into agreement with MICROSOFT for Academic Alliance to give students exposure to the latest technologies and resources to help them increase their knowledge base.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice" If 'yes', how does the institution take advantage of such provision for the benefit of students? No

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

The institution follows the given process to ensure that the academic programmes and institution's goals and objectives are integrated.

- Various seminars, workshops, conferences and guest lectures are arranged for the enriching of student's knowledge apart from the curricula
- Students are made members of ISTE to harness their knowledge and to get larger exposure to various workshops and seminars conducted by the body. **(Ref: Annexure III-E)**
- Industry visits are organized from time to time to give real time experience to the students.
- Special training classes are organized in communication skills, soft skills, industry related subjects like Ansys, CATIA, CAD/CAM, MAT Lab, Robotics and roid, Cloud Computing, Java Professional etc. in addition to the curriculum to improve the employment opportunities and meet the global requirements of Industry. **(Ref: Annexure I-C)**
- The institution has established Academic Alliance with Microsoft to provide exposure to the latest technologies and access to a plethora of resources for them to gain knowledge beyond curricula.

1.3.2 What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

- **Additional Course:** The institute cannot modify the curriculum but can extend to suit the needs of student community to bridge the gap between curriculum and industry/society needs, we have added number of additional contents to the curriculum. **(Ref: Annexure I- C)**
- Beside these, additional skill-oriented programmes, workshops and seminars are organized by the institution on a regular basis. **(Ref: Annexure III-F)**
- The infrastructure, the learning resources and facilitators coupled with visits to industrial/corporate houses, exhibitions, hands-on work, workshops and lectures by professionals, all equip the students with the necessary skills to forge their way into the job market or setting up their own enterprises.
- **Industry-Academia Interaction Programmes:** The institution believes in imparting practical and industry oriented education. We give more importance to practical exposure and adopt enriching study techniques to accomplish the same. With an aim to initiate professional interaction amongst the students and top management executives, the institution invites guest speakers from leading companies and institutions who interact with our aspiring students about various issues relating to competitive corporate world as supplement to the classroom teaching. In line with this, the institution has initiated an Academic Alliance with Microsoft which helps the students to have hands on experience on the latest technologies and thus be always prepared to face the upcoming challenges in the industry ahead.
- **Entrepreneurship Development Cell:** A separate cell for entrepreneurship development is incorporated in the college. This cell creates awareness of need and importance of entrepreneurship as career option among the students and conducts various Entrepreneurship Development workshops and seminars, thereby strengthening their entrepreneurial skills. **(Ref: Annexure III-H)**

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

- Under the aegis of WEF (Women Empowerment Forum), the college sensitizes the women about their rights, status and identity. The forum through lectures by women of eminence tries to prepare them to live with dignity, facing challenges of the patriarchal system.
- Environmental Science is added as one of the subjects in the curriculum to create awareness and provide sufficient knowledge on environment to the students.
- Seminars and workshops are organized on various cross-cutting issues. Through its various seminars, workshops, lectures and field visits, the students have been sensitized to the crippling conditions faced by the underprivileged sections of the society like orphans, slum dwellers, inmates of old age homes, mental hospitals, people hit by natural calamities etc.
- Apart from classroom-teachings, the relevance of important days and events is reaffirmed like Youth Day, Women's Day, Labour's Day, Martyr's Day etc. **(Ref: Annexure III-J)**

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

- Eminent personalities from different walks of life are invited to deliver lectures on various topics that would enable the students become mentally wiser and morally stronger. **(Ref: Annexure III-F)**
- The objective of all the academic programmes of the college is to groom students in a manner that they become morally upright, professionally sound and socially responsible and competent enough to meet the challenges of the global market.
- While preparing the students for the challenges on the professional front, good care is taken that they never lose sight of moral values, professional ethics and the cultural values of the land.
- The College organizes certificate courses on Self Management, Personality Development and Leadership Skills. Training sessions in analytical reasoning, presentation skills, self-branding etc. have also been initiated for students' benefit. There have been various programmes conducted specifically in the areas of number crunching, verbal ability, marketing skills etc. The college has an Academic Alliance with MICROSOFT to attain the above goals.
- Special training classes are organized in communication skills, soft skills, industry related subjects like Ansys, CATIA, CAD/CAM, MAT Lab, Robotics and roid, Cloud Computing, Java Professional etc., courses in addition to the curriculum to improve the employment opportunities and meet the global requirements of Industry. **(Ref: Annexure I-C)**
- As far as community orientation is concerned, there is a very active Community Service Cell in the college that helps to inculcate spirit of civic values among the students. Visits to the orphanage and Old Age Home, Mental Hospital etc. are organized from time to time. Students are also sensitized to various national problems and are imparted training to serve society with a human touch. The college also has a Red Cross Society which organizes various social welfare programmes. The college also has an approved NSS Unit granted by the affiliating University. The NSS & Red Cross Society of our college participated in

various community services projects like polio drive, save water & electricity campaign and their participation in various medical camps speaks of their zeal for service and commitment to the social cause.

(Ref: Annexure III-J)

- In order to enhance the student's career options, the Training and Placement Cell has organized various training courses. With an aim to initiate professional interaction amongst the students, the institution invites guest speakers from leading companies and institutions who interact with our aspiring students about various issues relating to competitive corporate world as supplement to the classroom teaching.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

- The institute has various channels to collect and document responses on curriculum from the stakeholders. Special formats are used for alumni and parents to register their views during orientation meetings and parent-faculty meetings. **(Ref: Annexure I-D)**
- Based on major observations by industry experts that communication skills need improvement, the institute has embarked on introduction of trainings in the following contexts right from first year onwards:
 - Soft skills development programs
 - Report Writing
 - Resume Preparation

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

- The college has a very clear and transparent procedure to monitor and evaluate the quality of various enrichment programmes. These are constantly reviewed and monitored through the feedback system. The feedback forms for each of such programmes are designed by the committee or department who organizes such programmes. The feedbacks for such programmes are taken on the syllabus, resource persons and the style/method of programme delivery. This feedback is taken into account by the responsible committee, who has organized such programmes for future enhancement and correction.
- The institution also conducts cycle internal assessment tests (IAT) to monitor the students' performance and evaluate them. Motivation and counseling are given to the students to improve the learning skills and education.
- The institute makes sure that all the value added programmes offered should contribute to the development of the students in terms of skill, knowledge and different types of maturity like mental maturity, intellectual maturity, philosophical maturity etc.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

With an aim to improve the effectiveness of the curriculum, the institution has formed various committees like Academic Council, Library Committee etc. for curriculum evaluation process. Through this process the Institute collects feedback from various stakeholders and committee members to determine the curriculum value and to suggest improvements.

Questionnaires have been designed to collect accurate information on the curriculum from various stakeholders like students, employers, faculty members and parents. The data so collected is analyzed and interpreted. Conclusions are drawn on the effectiveness of the curriculum and the same are sent to the University to decide at their discretion whether to maintain, modify or eliminate the new curriculum.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

Yes, there is a formal mechanism to obtain feedback from students and stakeholders on curriculum. The mechanism evolved for collecting feedback is the regular meetings of the bodies instituted for this purpose:

- **Students:** Students Council meetings are organized every semester to get feedback from the students.
- **Alumni:** Twice a year, Alumni meets are organized when the old students of the college give feedback about the relevance and validity of their course in the job market (**Ref: Annexure I-D**)
- **Parents:** They too are active participants in almost all the activities of the college. A healthy interaction with the parents is facilitated and encouraged from time to time.
- **Employers/Industries:** The College gets feedback from Employers and Industries on a regular basis. Every department organizes lectures, workshops and seminars to get feedback on curriculum from employers and industries concerning their areas at least twice in a year.
- **Academic Peers:** All state level, national and international workshops, conferences and seminars are organized by the faculty or attended by it, meetings of BOS (Board of Studies) and such other platforms provide an opportunity to the college to get fruitful feedback from peers.
- **Community:** Parents and leaders from every walk of life including Print and Electronic Media, Business Houses, Banks, Colleges, Universities, Research Bodies, NGOs, Government agencies etc. are invited from time to time to get their feedback on curriculum. The regular departmental meetings are the forum to analyze the feedbacks. After thorough debates and discussion, the valid points are enlisted and forwarded to the University during its BOS (Board of Studies) meetings which are held annually. Feedback received from all stakeholders is used internally for curriculum enrichment and introducing changes/new programmes. Syllabus Committee is formed to analyze feedback and decide whether there is for curriculum enrichment or introducing changes or new programmes.

Thereafter, it consults experts from various universities and colleges and chalks out a blueprint which is sent to the college academic council for consideration. Thereafter, it is forwarded to the University Academic Council for consideration. Finally, it is sent to the University Syndicate for implementation.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?)

The Institution has introduced the following new programmes/courses in the last five years.

- B.Tech – Civil Engineering
- M.Tech- Power Electronics & Electrical Drives, Computer Science, CAD/CAM, Thermal Engg. , Machine Design.

In the light of infrastructure development in the country there is a lot of demand for qualified civil engineers in the market. Hence we have introduced B.Tech course in Civil Engineering at UG level and proposed to introduce PG Programmes from the next academic year. As there is a lot of demand for qualified technocrats with PG qualification in core engineering industries and IT field, we have introduced 4 M.Tech programmes in core engineering departments like Electrical and Mechanical and one M.Tech programme in computer science in IT related areas. As graduates of any branch of engineering and post graduates of Physics, Mathematics & MCA are also eligible for admission into M.Tech Computer Science course. There is a lot of demand for this course. Even in IT industry, engineers with M.Tech Computer Science are preferred to under graduates. Hence we have introduced M.Tech Computer Science course.

1.4.4 Any other relevant information regarding curricular aspects which the college would like to include : No

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

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

- Before the commencement of the new academic session the prospectus is made available to the students. All relevant information regarding the admission procedure, infrastructure, fee & scholarships, various activities of the college, achievements of the students in academic as well as sports and other activities is conveyed through the prospectus.
- The college has its own website from where students can gather information regarding the college. E-mail queries, if any, are responded to promptly.
- Advertisements in the local newspapers and local channels of the TV are also helpful during the admission.
- During all important functions the Principal transmits the same information to the audience.
- Huge Billboards fixed at strategic points on the campus and the boundary walls of the college building also serve the purpose.
- The college strictly follows the rules laid down by both the University and Government of Andhra Pradesh to ensure transparency of the admission procedure.
- 70% of government quota admissions are filled through single window counseling conducted by the Conveners of Admissions of EAMCET/ICET/PGCET & APSCHE respectively.
- 30% of seats are filled by the management as per the guidelines issued by Govt. of A.P. through GOs.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

- As per the directives of the Govt. of AP the admission of the students into the college will be started after the commencement of counseling based on the scores of relevant CET and on the marks obtained in the qualifying examination. The admission procedure strictly adheres to rules which are laid down by the university and state government.
- The counseling team in the college helps the students to make the choice of their stream and medium of instruction. Our college also follows the reservation policy of the government.
- As per the present system 70% of seats in UG & PG Courses are filled by the conveners of admissions of relevant common entrance tests under 'A' category. The remaining 30% of seats are filled under B Category by Managements as per the guidelines given by the APSCHE based on the marks obtained in qualifying examination and/or ranks obtained in common entrance tests.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

70% of Admissions under Convener quota to the programs are done through counseling, based on the criteria notified by the Govt. of AP. The admission to the remaining 30% Of seats is done by the Admission Committee, which takes decisions strictly as per rules. Complaints, if any, are redressed and information is provided to the candidates if they ask for. For example, for filling management quota seats (30%)in B.Tech, merit lists are prepared and admission will be made based on merit which will be ratified by Higher Education Council of Andhra Pradesh. As per existing rules the students should have scored minimum 45% of marks in Qualifying Examination. In case of reserved categories it is reduced to 40%.

In the current academic year 2013-14, due to frequently occurring social and political disturbances, the admission process in the state of Andhra Pradesh was delayed causing migration of well ranked students to other states. More than a lakh of seats were left unfilled in the state of Andhra Pradesh as a consequence of the above mentioned.

NEC				
Rank Range	CAY (2013-14)	CAYm1 (2012-13)	CAY m2 (2011-12)	CAYm3 (2010-11)
Admission through Convenor				
Below 10000	2	2	2	0
10001-15000	1	4	5	6
15001-25000	10	18	27	47
25001-50000	76	118	141	86
50001 and above	459	444	340	260
Admitted without rank (Admission through B Category)				
90% and above	3	10	7	8
85% and above	9	10	13	21
80% and above	7	11	25	34
75% and above	10	11	24	34
60% and above	17	46	42	61
50% and above	5	8	21	11

Comparison table of admission quality (under A category- under convenor quota) at NEC with other colleges in the same vicinity:

Rank Range	CAY (2013-14)		
	NEC	College A	College B
Below 10000	2	0	0
10001-15000	1	5	0
15001-25000	10	11	0
25001-50000	76	53	5
50001 and above	459	312	213

*Note: The college names are disguised to avoid any type of conflicts.

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes', what is the outcome of such an effort and how has it contributed to the improvement of the process?

Yes, there is an Admission Committee, a Career Counseling Centre as well as a Placement & Employment Cell to review the admission process and student profiles annually. Admission coordinators and supervisors are appointed to facilitate the admission process.

The outcome of such an effort results in bringing about transparency, streamlining and systematizing the admission process, following up of reservation policy strictly as per the provisions of the government and selection of meritorious and disciplined students from the weaker sections is remarkable.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

- * SC/ST
- * OBC
- * Women
- * Differently abled
- * Economically weaker sections
- * Minority community
- * Any other

The admission policy of the institution and its student profiles demonstrate/reflect the national commitment to diversity and inclusion by adopting the following strategies to increase/improve access for following categories of students:

- **SC/ST:** There is a provision of reservation of seats @ 14% to the candidates of SC category and @ 7% to the candidates belonging to ST category. There is a provision by A.P Government for fee reimbursement for them at the time of admission. In addition to that, free books and financial assistance are provided to students of SC/ST category.
- **OBC:** There is a provision for reservation of seats @ 25% to the candidates of OBC category. There is a provision of A.P Government for Scholarship & fee reimbursement for eligible candidates as per the policy of AP Govt. at the time of admission. In addition, free books and financial assistance are provided to students of OBC category.
- **Women:** The institution with the objective of women empowerment, makes every effort is made to prepare women for their various roles and responsibilities in the ever changing world. They are well equipped for the tough competition in the global market to prove to the world. 33% of seats are reserved for women in all categories such as general, OBC, SC & ST.
- **Differently abled:** 3% Seats are reserved for physically handicapped candidates as per the rules. Timetable is set and rooms are allotted to them keeping in view their convenience. Such students are allotted their time-table in such a manner that their classes are held on the ground-floor. Students with speech disorders are counseled by the Department of Psychology which aids to cure their disability. Students with personality disorders are also treated by the same department and the results are very satisfying.
- **Economically weaker sections:** Free ships and other concessions are available to them. In state of Andhra Pradesh there is a provision for reimbursement of tuition fee and scholarship to economically backward candidates of any caste/category including general category as per the eligibility rules.
- **Minority community:** In state of Andhra Pradesh 4% seats are reserved for Muslim Minority candidates. Free books and financial assistance are provided to students of minority community. There is a provision of fee reimbursement for them at the time of admission.
- **Any other**
 - **Sports Persons:** - A certain % of seats are reserved for sports persons in admissions and are given concession in fee, incentives for diet, medical aid, kit and conveyance. 3% seats are reserved for candidates having NCC certificates and children of armed personnel in the admissions.

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase/decrease and actions initiated for improvement.

Sl. No	Department	Course	2013-14		2012-13		2011-12		2010-11	
			Sanctioned Intake	Admitted	Sanctioned Intake	Admitted	Sanctioned Intake	Admitted	Sanctioned Intake	Admitted
1.	CSE	B.Tech	240	110	240	180	180	148	120	119
2.		M.Tech-CSE	36	27	36	32	36	26	18	14
3.		M.Tech-CS	18	10	18	11	0	0	0	0
4.	ECE	B.Tech	240	180	240	198	180	169	120	120
5.		M.Tech-DECS	18	14	18	18	18	12	18	17
6.		M.Tech-DSCE	18	10	18	12	18	6	18	3
7.	EEE	B.Tech	120	35	120	93	120	91	120	120
8.		M.Tech-P&ID	18	13	18	15	18	13	18	17
9.		M.Tech-PEED	18	10	18	13	0	0	0	0
10.	ME	B.Tech	240	178	180	156	120	115	60	59
11.		M.Tech-CAD/CAM	18	6	18	8	18	4	0	0
12.		M.Tech-Thermal engg	24	18	0	0	0	0	0	0
13.		M.Tech-Machine Design	24	15	0	0	0	0	0	0
14.	IT	B.Tech	90	0	90	6	90	65	90	90
15.	Civil	B.Tech	120	96	60	50	60	59	60	59
16.	MCA	MCA	60	40	60	43	60	60	60	60
17.	MBA	MBA	120	100	120	96	60	60	60	60

The above table shows some increase in intake for some of the courses and short fall in admissions in some other, as a number of colleges have been established in the State of Andhra Pradesh and particularly in and around Narasaraopet and Guntur dist. As there is a recession in software industry, fewer students are opting for IT, Computer Science & MCA courses. There is demand for core engineering courses like Civil Engineering, Mechanical Engineering, Electronics & Communication Engineering and Electrical Engineering. The college has introduced Civil Engineering courses in the year 2009 and increased the intake in other core branches. The college is making all its efforts to create awareness among the IT related courses to aspiring students who are taking admissions in UG & PG courses.

As there is lot of demand for the engineering graduates with M.Tech qualification in Industry and Academic Institutions we have introduced 4 M.tech courses in Electrical, computer Science & Mechanical Engineering Departments.

2.2 Catering to Diverse Needs of Students

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

The institution completely abides by the government policies, rules and regulations regarding the needs of differently-abled students. The seats are reserved and offered according to the government policies at the time of admission in various programs and courses. The institution has taken certain strong decisions like holding the classes to these students in the ground floor only for the easy accessibility of class rooms and other facilities to them. During the time of examination the institution provides scribe for the students having vision and functional disability as per the provisions. Special classes, counseling sessions are arranged to these students as a part of academic support. These students are also provided with extra time at the time of end examinations.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

Yes, there is provision to assess the students' knowledge and skills before the commencement of the programme. In the admission process, the institution personally interview and assesses their results in the common entrance exam and admission council provides counseling to assess the overall strengths and weaknesses and also the skills of the candidates.

Further to this, a pre-induction programme is organized by the institution where in an opportunity is given to the students to express his/her expectations on skill enrichment programmes that he/she would require at an individual level.

For the students admitted directly into second year of UG courses under lateral entry scheme, Bridge Courses are conducted in Mathematics, Computer Science etc. before commencement of the class work.

2.2.3 What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice? (Bridge/Remedial/Add-on/Enrichment Courses, etc.

The following methods are adopted to help the students after accessing the learning level of students:

- Orientation programme provides information with respect to the entire curriculum, the examination process and information of the various centers for excellence, computer lab, library and other resources available in the institution.
- **Bridge course-** Students are encouraged to take bridge courses to meet the prerequisite skills for the course.
- **Remedial course-** We conduct internal assessment of students through testing, transcript review, class work, class presentations and other such methods. Based on their performance, students are identified as slow learners and advanced learners. Special classes called remedial classes are conducted for slow learners in extra time.

- **Enrichment Courses-** With the changing times, the face of the corporate world is also changing, wherein the need-of-the-hour is to have state-of-the-art professionals who are agile enough to meet the growing demands of the industry. Keeping this objective in mind College organizes spoken English and personality development classes for the students as enrichment courses. The college has entered into an Academic Alliance with MICROSOFT that provides access to special technologies, related tools and resources to help students learn and grow. These courses are organized to enhance their learning abilities and increase their chances in the global employability.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

The institution holds the tradition of imparting holistic education with emphasis on the ethical and moral principles. The institute, which is a co-educational institution, sensitizes its staff and students on issues such as gender equality, gender inclusion, environment etc. by holding seminars on the relevant topics like women empowerment. Celebration of women's day by teachers and students is also a part of the same tradition. The institute, at its own level and with the assistance from AICTE and other bodies like UGC etc. make arrangements for seminars and workshops at national level, conferences at international level where the experts from various fields are invited to share and deliver their experiences.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

The advanced learners are detected during the lectures in class room by means of getting feedback from the students verbally and sometimes in writing. Students are subjected to various methods of evaluation like signaled response/answers, vocal responses, sample individual responses and written tests after each unit of syllabus. Based on their performance, students are identified as slow and advanced learners. They are supported in the best possible manner. The institution responds to their special educational/learning needs by taking following measures:

- Special books of more advanced level are recommended to them.
- The teachers make extra efforts in helping them with an additional and personal interest.
- Special assignments which is research oriented
 - Involving in Research Projects
 - Guiding to write research papers writing joint papers
- Opportunity to attend advanced Trainings and workshops like EDP
- Opportunities to participate in Conferences, seminars, paper presentation competitions
- Additional library facilities are provided.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?

- Once the admission process is over, respective student database is provided to the concerned department for their use. Every department maintains information about student's academic performance in the database maintained and managed at the department level. This includes status of marks obtained in internal assessments, attendance and analysis of University result.
- Those students who score less marks and are not able to perform well are given counseling and additional training through special coaching classes, wherein the class strength is kept small so that individual attention could be given.
- The students who are slow learners are already identified on the basis of their performance in the internal exams are given extra attention by providing them remedial classes so that they can perform well in the University exams along with other students. Once the university exam results are declared, every department analyses that data for knowing status of the students with respect to passed and failed students, number of students in first division and second division etc.
- Students from disadvantaged sections of the society and those who are physically challenged are provided equal opportunities as given to other students. Students who belong to economically weaker sections are given financial help by waiving off their fees or increasing the number of installments of their fees. Books from the central as well as departmental library are also provided.

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

- The affiliating University notifies to all its affiliating institutions about Annual Academic calendar well before commencement of the session through its website. Accordingly, the college prepares an academic calendar by taking the reference of academic calendar of JNTUK and the syllabus of different courses provided by them, before the academic session begins.
- Academic calendar displays tentative dates of all academic activities like reopening of college after every vacation, admissions, conferences, workshops, seminars, internal assessments, continuous comprehensive evaluation, extracurricular events, university examinations, university semester results, total number of teaching days, holidays, etc.
- All academic and extracurricular activities are organized and completed as per the schedule with the support of teachers, non-teaching staff and students.
- Semester/Annual teaching plans are prepared by individual faculty members for each subject, at the beginning of the session. The entire subject syllabi are divided in units and topics to be covered within the stipulated period of the academic calendar.
- Internal Examinations are conducted by the college as per the schedule mentioned in the academic calendar.
- Sometimes, extra classes are scheduled for completion of the syllabi wherever required.

- University Examinations are conducted by the college as per the schedule provided by the University.

2.3.2 How does IQAC contribute to improve the teaching –learning process?

- The cell gets an overall feedback from the departments on the performance of the students in the unit tests and retests and coordinates the arrangement of special classes outside the working hours wherever necessary.
- The cell coordinator takes part in the discussion on the analysis of results of university semester examinations for all the classes and the remedial measures being taken to improve the results in subjects wherever there is a decline.
- The cell gets feedback on the performance of the teachers from the students and after analyzing the same, necessary measures for improvement are taken.
- The cell also initiates workshops for the technical supporting staff who are involved in assisting the laboratory sessions with a view to enhance their practical skills with which they can help the fabrication part of students' project models.
- Based on the feedback, a report is generated to bring the transparency/objectivity /accountability in the teaching learning process.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The institute offers a lot of support services to its teachers for making the learning student centric. All our activities are aimed at improving the skills and knowledge of the students. In the process, the students are exposed to various programmes like personality development programs, workshops, industry-academia interactions, classroom discussions, presentations and projects. Student teams are made to share knowledge among them and to have group study. The faculty members monitor these activities. This would enable the students to supplement their classroom learning.

The institution encourage **Interactive learning** through various labs like Communication labs, Simulation exercises, well equipped computer labs and through the vast digital library activities, Library group assignments, Projects etc.

Every student is trained to acquire academic, research, management skills. Opportunities required for life long learning is addressed by organizing workshops, seminars, guest lectures and through continuous education programs.

Students learn to cope with social issues through NSS activities. We publish yearly magazine, which is an excellent forum for the students to express their views, which also improve their writing skills.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

The institution mainly focuses on the students to make them original thinkers by conducting class presentations, group discussions, project works etc. The seminars and project work bound them to go deeper in the subject, beyond the books. This helps them to develop the habit of research and thrive of knowledge, more than what is given in the textbooks.

Various other activities are also conducted like workshops, quiz competitions, etc to generate innovative ideas and thus giving an opportunity to the students to develop teamspirit for collective learning. **(Ref: Annexure III- G)**

We promote our students to participate in various cultural and advanced training programs to expose their talent and to nurture their creativity.

The college offers programs and extensive career-technical education and basic skills education and adequate infrastructure where students are provided opportunities to practice and improve critical thinking, effective communication, quantitative reasoning, information competency, community and global awareness, self-efficacy and workplace skills.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

The use of modern multi-media teaching aids like OHP, multimedia projectors, Internet enabled computer systems are usually employed in class room instructions as well as other student learning experiences. Resources from NPTEL, NMEICT, INFLIBNT, DELLNET, INDEST and other resources are made available to the students and staff. The students are also encouraged to use computer software packages for meaningful analysis of the experimental data collected/acquired.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

- College management always encourages students and faculties to attain advanced level of knowledge and skills. The use of modern aid technologies make the process of teaching - learning more interesting and interactive.
- Academic project work is compulsory in some of the courses. With the help and guidance from the faculty, students carryout live projects and prepare project reports that are evaluated towards the end of the semester. **(Ref: Annexure III-I)**
- With the aim of quality enhancement teachers are encouraged to pursue their studies. Study leave is granted for attending faculty development programmes such as refresher courses, orientation courses, syllabus related seminars or workshops. Management also deputed teachers for International and National conferences. **(Ref: Annexure II-D)**

- Seminars and guest lectures are organized on regular basis by all the departments to update their knowledge. This helps them to gather and share the information and exchange their views with their counter parts from different parts of the country about the latest developments in their fields. **(Ref: Annexure II-D)**
- The institution conducts industrial visits and study excursions to develop the interest of students in their respective subjects.

2.3.7 Details (process and the number of students/benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students.

- **Mentoring** – The institute has a well-structured Mentoring system which benefits the students not only in academic matters but also in their personal life. The objective is to provide supportive care and advice for the students and to help them in their academic and personal problems, if any, from time to time and to counsel them appropriately.

This procedure is adopted for enabling/motivating the students to excel academically in their studies. A mentor manages the relationship, encourage, nurture, teaches, offer mutual respect, responds to mentee's needs.

The newly admitted students of the first semester fill up a student information sheet. Based on this data, the co-ordinator will assign the students to mentors. Each mentor is made responsible to around 15 – 20 students and to the extent possible, the mentor will be teaching some subject(s). in case the assigned mentor does not teach any subject for the assigned students, he/she will consult the faculty member teaching the subjects for them for necessary information. A mentor assigned to a student in the first semester generally continues to be the mentor for that student until he/she completes the course.

The mentors maintain and update the student information sheet with the attendance information, performance in the internal assessment and performance in the University examinations. The mentor meets all the students under his/her care atleast three times in a semester once each after every internal assessment. He/she may also meet whenever the need arises and discuss their problems.

- **Counseling:** Students are counseled on the following crucial issues---
 - Career issues
 - Academic issues
 - Personal issues

Student counseling is done by the faculty members through mentoring process. The institute also has ready access to professional counselors and takes their help whenever requires to provide counseling on both career and personal issues to keep the morale of the students up.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the the impact of such innovative practices on student learning?

The institute encourages the teachers to keep themselves abreast of the latest developments in their respective fields. They are encouraged to use computers, Internet and library resources to enrich their teaching. The institute faculty is also provided training for use in computers, latest software so that they can themselves create modern teaching aids to be used in their classrooms. From time to time, faculty members adopt approaches/methods such as seminars, conferences and special lectures. The faculty members are encouraged to participate in National/International level seminars, conferences. The faculty members are provided with financial assistance for this purpose. The faculty members who attend such seminars/conferences share their experience with students and faculty with latest information and developments of the industry.

2.3.9 How are library resources used to augment the teaching-learning process?

College has well stocked central library, which is fully computerized. In addition, major departments of the college have individual departmental libraries to cater to the needs of the students. ICT and other tools, deployed to provide maximum access to the library collections are OPAC, Electronic Resource Management package for e-journals, Federated searching tools to search articles in multiple databases, etc. There are adequate numbers of computers with printing facility for public access. We are also participating in resource sharing networks like INFLIBNT, DELLNET, INDEST.

The catalogues from different publishers will be available in the library. The heads of department can order for books from these catalogues. The collection of books, journals and some articles from the techies will reflect our institution's ever growing zest for newer areas of study and research. In our institution, some faculty members have their personal publication of books, journals and conference papers which can help the fellow colleagues, PG students, UG students round the clock. Majority of the staff can efficiently use the internet and they liberally share their knowledge of innovative research topics, reviews, methodology, data gathering and information output with the learners.

The students are continuously encouraged by the faculty members to use the library services. Each student is provided with a library card which enables them to set books issued from the library.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

The institution has not faced any major challenges in completing the curriculum within the planned time frame. However, there were deviations from plan due to the following reasons:

- Suspension of classes on account of external reasons like Bhandh's, etc. and internal reasons like special programmes (non-planned).

To overcome such deviations the concerned faculty members engage the special classes and the same would be entered in the lesson plan. Normally, special classes are scheduled in the morning or evening after the class hours and on special (Sundays or general holidays) days.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

Confidential feedback on the performance of the faculty by the students is obtained once in a semester. The quality of teaching is judged based on the feedback given by the students, self appraisal given by the faculty, results obtained in the semester, HOD's evaluation and finally by the principal.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

Whenever curriculum is revised by the university and new subjects are introduced or to fill the gaps in curriculum, the institution intends to offer additional courses. The concerned department will identify the needs of training required to faculty to cope up with the changes proposed to introduce well in advance. The HOD makes a proposal of training required for the faculty members to the principal and the principal with the approval of the management deputed the faculty for training. If in case it requires to recruit additional faculty, the college will release notification for recruitment in the local newspapers and even national papers in order to reach the best faculty from the country.

There is a selection committee consisting of Principal, respective Head of the Department, senior faculty, one member from the management and external experts. The process comprises of screening of applications, sending call letters, putting them to technical tests and presentations and finally a personal interview by the selection committee. The College has the required number of qualified and competent teachers to handle all the courses according to AICTE/affiliating university norms.

In addition to the regular faculty, visiting faculty from industry and academia are drawn to boost the knowledge and skills of the students to meet the changing requirement of the curriculum.

The management makes conscious efforts to retain the qualified and experienced faculty by (a) giving them a conducive environment for their career growth and (b) giving them annual increments according to their performance. Usually the college maintains excellent level of satisfaction level amongst the human resources.

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	23	2					25
M.Phil./M.Tech/MBA/MCA	7	2	50	15	87	17	198
PG(M.Sc.,/MA)					27	14	41
B.Tech					21	11	32

2.4.2 How does the institution cope with the growing demand/scarcity of qualified senior faculty to teach new programmes/modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

- To attract the new qualified faculty and retain the existing ones, the institution provides requisite facilities like transport for teachers coming from a distance, research facilities like library, internet etc.
- The institution also conducts seminars related to IT at regular intervals to enhance their technological skills.
- To encourage staff to participate in faculty development programmes, workshops and seminars, the faculty is considered to be on duty and is provided with TA/DA and also with other benefits to upgrade their knowledge by participating in national and international seminars.
- During the last three years many of our teachers have participated in number of state and national level conferences and workshops. **(Ref: Annexure II-D)**
- The college appoints temporary/adhoc staff in addition to the permanent staff whenever vacancy arises to fulfill its responsibilities towards students.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	89
HRD programmes	20
Orientation programmes	30
Staff training conducted by the university	5
Staff training conducted by other institutions	23
Summer/winter schools, workshops, etc.	21

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

- ❖ Teaching learning methods/approaches
- ❖ Handling new curriculum
- ❖ Content/knowledge management
- ❖ Selection, development and use of enrichment materials
- ❖ Assessment
- ❖ Cross cutting issues
- ❖ Audio Visual Aids/multimedia
- ❖ OER's
- ❖ Teaching learning material development, selection and use

The college organizes programmes to motivate teachers to prepare computer aided teaching mostly using software and tools. The college is having adequate licensed software such as windows, Ms-Office, Visual Basic, Java, Linux etc. the college also supports these by providing infrastructural support. The computer department of the college regularly organizes training which would be useful for both students and faculty to make them aware of the recent technologies. **(Ref: Annexure II-D)**

c) Percentage of faculty

- * invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies: 12%
- * participated in external Workshops/Seminars/Conferences recognized by national/international professional bodies : 20%
- * presented papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies : 20%

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

The institution follows sound policy guidelines to recharge the teachers in the following manner:

- Research grants in the form of seed money to undertake research projects.
- Individual faculty can avail research grant from the institute by submitting their proposal to the Director through research committee.
- The faculty members are given special facilities for attending the examinations with respect to the M.Tech, M.Phil and Ph.D, FDP, MDP, Seminars, National and International conferences, training programmes etc.
- The Institute has also sponsored the faculty members for the National and International conferences, FDPs, MDP, Seminars and workshops.
- The scholars are given study leave and they are provided with substitute teachers for their classes.

2.4.5 Give the number of faculty who received awards/recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Many faculties of our Institute have been rewarded for presenting technical papers in various Seminars/conferences that were conducted by external Professional agencies. Few of them have received awards from the various levels of their teaching excellence.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

The Institute has teachers' evaluation by the students. The Students feedback committee coordinates the feedback process. The committee is responsible for designing, reviewing and improving the feedback form. At the end of every semester, the feedback committee administers the complete process starting from student evaluation of the faculty to the analysis of the feedback. The analyzed feedback is handed over to the Principal. The Principal further analyses feedback and communicates to the individual faculty member for further improvements wherever required. In addition to the above process, the Director also interacts directly with the students and collects first hand feedback and advises the faculty members for improvement.

The Institute identifies certain gaps between the students' expectations and the class room teaching. Based on this feedback to cover the gap, the following steps are taken –

- Training programmes were organized for the development of the faculty members.
- Faculty development programmes were also conducted regularly to upgrade the faculty knowledge.
- Departmental experts were called to interact with the faculty members and identify the areas for the improvement. Based on which training programmes are designed and organized to enrich the faculty members.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes

- Scheme of evaluation process and examination are communicated to the students and parents through the prospectus at the time of admission and during parents' meetings.
- Tentative dates and month of internal exams and university semester-end examinations are notified in the academic calendar at the beginning of academic session.
- The evaluation methods are informed to the students well in advance through the induction programmes conducted by the departments.

- The previous exam question papers and model papers are made available to the students in library. The students are informed about class tests and assignments and their evaluation in the class and also through the display notice boards of the respective departments.
- Display notice boards are also used for informing students about the award of internal assessment marks and list of practicals to be performed in the labs.
- The pattern of examination is explained by subject teachers in the classrooms.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

The university has initiated various evaluation reforms viz.

- Introduction of internal assessment system.
- Introduction of O.M.R Answer Sheets.
- Introduction of table marking and evaluation through secret roll no.s so as to make each evaluation process more transparent.
- Introduction of objective questions in the question papers. The college has adopted various university reforms concerning evaluation viz.
- Same pattern of question papers are used for in house examination.
- Internal assessment is conducted to the students as per the university criteria.
- The university introduced bar code to main examination booklets to maintain confidentiality.

Evaluation Reforms initiated by the institution on its own

The college is ceaselessly engaged in improving its systems to foolproof them. Following reforms have been initiated recently in the evaluation system:

- To bring uniformity in marking scripts marked by fresh recruits, the scripts are scrutinized by seniors randomly and anomalies are pointed out to them.
- Special tests for advanced and slow learners are arranged.
- Assignments-based internal assessment is taken in many conventional and vocational courses.
- Answer sheets of the Internal Tests are delivered to and discussed with students so that they are assured that no partiality or favoritism has crept into evaluation and, thus, they are accorded opportunity to check their total score and impartial evaluation of their answers as well.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

An examination committee comprising of faculty members and staff has been formed to conduct the examinations to frame guidelines for the evaluation process and also to improve the quality in the process. The committee takes care of the effective implementation of any initiatives regarding the evaluation process. The committee meets regularly to monitor the proceedings with an objective of continuous improvement in quality.

The evaluation reforms of the university are followed in true spirit. The students are satisfied by showing them the evaluated answer sheets. Any doubt about evaluation is made clear to the students. Whenever mid tests are taken, the results of the student's performance/awards are shown to the students to encourage them or counsel them for better future performance. The institution has followed the improved examination system as prescribed by the Jawaharlal Nehru Technological University Kakinada.

2.5.4 Provide details on the formative and summative evaluation approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

All faculty members follow the formative approach to measure students' achievements and performance through 1) Mid Exams and 2) Assignments.

For summative approach attending classes is important for a student, by attending classes students can write internal exams & final exams well. For this in a class 20-30 students are monitored by one faculty to clarify their doubts and to improve their performance in final examination. This is how the institution uses the formative and summative evolution approaches in the campus.

2.5.5 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

- **Internal Assessment test** – The College conducts three internal tests in a semester. The evaluated answer sheets are given to the students to check their performance. Post internal assessments, the respective subject teachers and mentors counsel the weak students. If the performance of the students is not up to the mark, the examination committee coordinator will address the weak students and in certain cases, the Director also addresses the students. The progress of the students is sent to the respective parents by post/courier twice in a semester.
- **Classroom monitoring** - There is a continuous evaluation system through classroom assignments, presentations, group activities, case study analysis and role-play. The concerned subject faculty individually assess the students on the basis of their subject understanding, communication skills, analytical skills and creativity. If the performance of the students is not up to the mark, the subject faculty along with the mentor counsel the students.
- **Attendance** – The Attendance committee prepares the attendance list once in a month and the same is notified to the students through notice boards and announce in the concerned class rooms. Parents are also informed through letters about the same. The students' attendance is tracked on a continuous basis to avoid the detention at the end of semester/year by securing less than 65%.

2.5.6 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc).

Complete transparency is ensured in the internal assessment of student performance throughout the session. The institute follows open evaluation system for internal assessment where the student's performance is displayed on the notice board and the same is informed to the parents. The methodologies used for internal exams are such that they are taking care of the overall development of students. The internal assessment carries 30% weightage in the summative assessment. In the current university assessment system, there is no weightage given for behavioral aspects, independent learning, and communication skills etc. However, the college takes into consideration these aspects during students' internal assessments.

2.5.7 Does the institution and individual teachers use assessment/evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Continuous Student Evaluation includes assessment through internal assessment test, assignments (presentations, case analysis, project etc), class participation and involvement in curricular, co-curricular and extracurricular activities, initiatives and co-ordination of programmes at the institute. This will provide information about the overall development of the students.

- The institution uses assessment as an indicator for planning the academic activities. The head of the institute considers student evaluation results to give proper directions to the faculty members with respect to teaching methodology, mentoring process and other activities for the improvement of student.
- Various departments/committees plan activities and student development programmes based on the outcome of the student evaluation process.
- The faculty members use students' assessment to take necessary measures to improve the performance. This will also help to find whether learning objectives are achieved or not. Faculty will consider the assessment data to plan for the next semesters in terms of classroom activities, assignments and teaching methodology.
- Mentors will use assessment data to suggest learning techniques to the mentees for improvement.

2.5.8 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

Students having grievances with the evaluation process and the doubts are cleared by showing their performance in the answer sheet. The student is made clear about every grievance in his mind at the University level. For this process, some re-evaluation fee is charged from the student and evaluation process is again repeated. The exams are conducted and controlled by the university. The college has to follow the instructions of the university. If students have any problem, the principal of the college communicates to the concerned authority (Controller of Exams or other offices) of the university about the grievances of the students.

2.6 Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

In the recent years, institutions of higher education across the country have recognized that a full commitment to teaching and learning must include assessing and documenting what and how much students are learning and using this information to improve the education.

The college does have clearly stated learning outcomes. Some of the learning outcomes that college aims to achieve are:

- Employability skills
- Intellectual capabilities
- Values and Character building
- Emotional maturity
- Social maturity
- Business acumen
- Professionalism
- Subject knowledge

The learning outcomes are clearly reflected in our vision and mission statement and program outcomes are also clearly stated and communicated to all the stake holders. **(Ref: Annexure I-A)**. The faculty members are made aware of the learning outcomes during the induction and through staff meeting. The students are made aware of the learning outcomes during the orientation programme, throughout the duration of the course by the faculty members and in any of the student related programmes organized by the college.

2.6.2 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The delivery of the content of the programme is aimed at achieving the learning outcomes. All the staff are involved in creation of a learning environment. All the students are valued equally during their learning journey with Institute. Accordingly, the curriculum, teaching and learning and assessment at college are student-centric. The College has formulated academic committees, centers of excellence that aim at enhancing the quality of learning, teaching and assessment across the Institute by providing academic leadership for the continued development of excellence in academic practice.

- The teaching, learning and assessment strategies of the institution are devised in such a way that they help the students in the achievement of intended learning outcomes. The college ensures a head-start on the track to success through pragmatic approach thereby achieving academic excellence.

- The students are provided several opportunities to augment their potential for the development of prudence, skill, stewardship, moral values and culture through its multifaced curricular and co-curricular activities.
- The college ensures inculcation of strong attitude in the students for the development of diverse attributes of personality spectrum to face global challenges of 21st century.

2.6.3 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

- To provide quality jobs to the students, the College Training and Placement Cell trains the students to suit the various needs of the industry face the interviews and gives handy tips to the students to face the group discussions and invites various organizations for campus recruitments.
- The college laboratories and libraries help the students inculcate innovation by allowing them to explore and experiment innovatively.
- The college magazines provide them platform to give expression to their innovative and creative flight. **(Ref: Annexure III-G)**
- The college organizes industrial visits and interactive talks delivered by industrial executives to instill entrepreneurship amongst students.
- The college faculty instills research aptitude in the students by giving them minor projects.
- The college's NSS Wing regularly organizes programmes to enhance the social relevance of the courses.

2.6.4 How does the institution collect and analyze data on student learning outcomes and use it for planning and overcoming barriers of learning?

The Institute collects and analyzes feedback in the following manner-

- **Employer feedback analysis** – The placement department collects feedback about the student performance in the industry during their initial period of employment. This information is analyzed to ascertain the industry readiness of the student. If any common deficiencies are noted in the students, training programmes will be undertaken for the consecutive batches.
- **Faculty observation** – The faculty assess the students through their class participation and involvement in the college activities. The students undergo various internal tests and class assignments are given frequently on different important topics to assess the level of understanding of the students.

2.6.5 How does the institution monitor and ensure the achievement of learning outcomes

The institution has a clearly defined, set mechanism to monitor the learning outcomes. The student performance, feedback and counseling analysis is one of the important bases to find about their skill, strengths, interested activities, career objectives and expectations from the institute. This will be used as a reference to monitor the student progress and achievement of learning outcome.

Attendance is compulsorily taken for every lecture, guest lecture, workshops, training and other value added programmes offered to the students by respective departments or committees. In case of regular absenteeism to the programmes the student will be counseled by the faculty members.

Regular internal assessment tests, presentations, case analysis and quizzes are conducted to ensure the subject learning of the students. Post industrial visits, the placement team insists on written report on applicability of theoretical concepts in the real scenario to ensure the expected learning outcome. To assess the positive impact of the trainings on employability skills mock tests are given. Mock interviews are conducted by a team of faculty to check on their readiness of the student to meet the industrial requirements.

2.6.6 What is the graduate attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

- Employable
- Societal awareness
- Global working abilities

An important graduate attribute being readiness for employability is taken care of by well planned “Employability Training Camps” conducted by the Department of Training and Placement for the Third Year students during summer and winter vacations, wherein they are given training on varied skill sets. The department also helps the second year students in getting slots in appropriate industries for undergoing in-plant training for learning industrial practices which is yet another essential graduate attribute.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

Yes, the institution has an on campus Microsoft Innovation Centre that facilitates strong technology innovation amongst faculty members and students.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

The Institute has constituted a 6-member research committee headed by the Principal and committee members include 1 Professor, 5 Senior Assistant Professor to co-ordinate and support all research initiatives of faculty and students.

The committee recommended progress presentation in ongoing research activities of faculty members.

The committee has the following functions:

- Review the research projects identified by the individual departments.
 - Review the impact of the research.
 - Approve the teams of faculty and senior students to be engaged in the research project.
 - To recommend to the management the outlay of the funds required for undertaking the research.
- The committee has recommended presentations of the progress in various projects undertaken by the department. Impact of the recommendations of Research Committee:
- Departments maintain highly well equipped laboratories.
 - Faculty members and students are encouraged to attend various seminars, conferences and workshops.
 - Departments sponsor faculty members for national/international level technical events and FDPs.
 - Awards and incentives are given to both faculty members and students for research publications at national/international level.
 - Regular technical talks/interactions are organized in latest research topics for initiating students and faculty members to pursue research.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

- **Autonomy to the Principal investigator:** Yes, the principal investigator is given autonomy in terms of flexible teaching time, going in the field for the research and using college resources for this purpose.
- **Timely availability or release of resources:** Yes, the investigating team is given resources well in time in terms of computers and infrastructural resources by the college.
- **Adequate infrastructure and human resources:** Yes, the college provides adequate infrastructure in terms of lab equipment & materials and human resources in terms of computer operators, research associates and lab attendants as per the requirement.
- **Time-off, reduced teaching load, special leave etc. to teachers:** Yes, the college has the provision of time off with reduced teaching load and a special leave to the teachers involved in research activity.
- **Support in terms of technology and information needs:** Yes, the college based on the recommendation of research committee makes availability of computers with internet facility with wifi connections and software.
- **Facilitate timely auditing and submission of utilization certificate to the funding authorities:** Yes, the college facilitates timely auditing and submission of utilization certificate to the funding authorities.

The Institute encourages students and faculty to involve in research activities. If any project is sanctioned by AICTE or any other funding agencies, then full support is provided to the Principal investigator to implement the research scheme within the time framework. To create research oriented environment and create interest in the teachers and students, college has procured latest equipments, updated the library facility and subscribed for the research journals.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

- Students are encouraged to ask questions and understand the basis of any concept or theory and its application.
- Faculty members encourage the students to be a part of their ongoing research projects.
- Students are taken on industrial visits and visits to other research bodies for giving research orientation.
- Students are encouraged and guided to participate in seminars and conferences on the upcoming technologies and its prospects. They are given a chance to interact with the resource persons during these events and develop their knowledge for doing the research.
- Faculty members have been guiding the students in their small research projects and to write and take part in technical paper contests.
- Students are encouraged to carry out their dissertation work with the application of scientific research methodology.

- The students are also given small projects by the faculty members teaching different subjects during the different semesters to inculcate research culture among the students.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

After the introduction of M.Tech programs in the college, the faculty members are being encouraged to identify the areas and specific research project to be recommended to the research committee and the management. The faculty members are also encouraged and rewarded for involving students in their research project.

3.1.6 Give details of workshops/training programmes/sensitization programmes conducted/ organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

The institution conducts many technical seminars, conferences and workshops inviting eminent personalities with varied expertise areas to address the students and faculty members to imbibe research temper in them. Both students and faculty members are encouraged to interact with these personalities and take opinions on their areas of interest.

The details of the programmes organized by the institution are enclosed as **(Annexure II-D, Annexure III-F)**

3.1.7 Provide details of prioritised research areas and the expertise available with the institution.

List of faculty members and their prioritized research areas and the expertise available with the institution:

Sl. No	Name of the Faculty	Department	Area of Research
1	Dr. RVD Rama Rao	EEE	Power Systems
2	Mr. Y Rajesh Babu	EEE	Power Systems
3	Mr. SK. Sharief	EEE	Power Systems
4	Mr. P.Ravi Kumar	EEE	Power Systems
5	Dr.T.Venkateswara Rao	IT	Microprocessors
6	Prof. S. Gopi Krishna	IT	E-Commerce
7	Prof.V.Mahesh Babu	IT	Networks
8	G.L.N.Jayaprada	IT	Design Patterns
9	K.Nitalaksheswara Rao	IT	Distributed Systems
10	B.Lalu Naik	IT	Compiler Design
11	V.Kesava Kumar	IT	Operating Systems
12	G.Ishmaiel	IT	Software Engineering
13	V. Madhava Naidu	IT	Data Warehousing & Mining
14	D.Sunitha	IT	Open Source Software

15	G.Vijay Kumar	IT	Cryptography & Network Security
16	O.Gandhi	IT	Data Mining
17	V.Sandhya Rani	IT	Computer Networks
18	R.Neelima Devi	IT	Web Technologies
19	Sk.Abdul Rasheed	IT	Operating System
20	K.Anitha	IT	Computer Organization
21	M. Suresh	IT	Database Management System
22	V.Srinivasa Rao	IT	Data Structures
23	P.Naga Lakshmi	IT	Computer Graphics
24	Y.N.Murali Krishna	IT	Embedded Systems
25	N.Venkatram	IT	Networks
26	Dr.D.Suneel	M.E	Metal Matrix Nano Composites
27	A.Chandra Mouli	M.E	Machine Design
28	Dr.M.Muralidhar Rao	M.E	Heat Transfer
29	Dr. G. Venkateswarlu	M.E	Metal Forming
30	K. Varaprasada Rao	M.E	Production Engg
31	B. K. C.Ganesh	M.E	Composites
32	T.Venkateswara Rao	M.E	Polymer composites
33	K. Sanakara Narayana	M.E	Characterization Of Polymeric Nano Composites
34	N. V. S. Sankar	M.E	CAD/CAM
35	M. Anjani Raj	M.E	Machine Design
36	Dr. V. Venkata Rao	ECE	Global Positioning System (GPS), Image Processing, Embedded Systems
37	Dr. M. Venu Gopala Rao	ECE	Computer Tomography, Digital Image Processing
38	Dr. P. Subbaiah	ECE	Instrumentation
39	Dr. D. Venkata Rao	ECE	Signal and Image Processing
40	Ms. V.S.R. Kumari	ECE	Signal Processing
41	Mr. J. V. K. Ratnam	ECE	Digital Signal Processing
42	Mr.P.S. S. Chakravarthy	ECE	VLSI Design
43	Mr. J. Narasimha Rao	ECE	VLSI Design
44	Mrs. B. Manjula	ECE	Global Positioning System
45	Mr.P.Bala Murali Krishna	ECE	Computer Networks
46	Ms. S. Vidya Rani	ECE	Smart Antennas
47	Mr. P. Ashok	ECE	Cryptography
48	Mr. Z. Vazraiah	ECE	
49	Mr. S. Koteswara Rao	ECE	Wireless Sensor Networks

50	Mr. M. Venkata Sudhakar	ECE	Computer Communication
51	Ms. S. Sree Chandra	ECE	Embedded Systems
52	Mr. Y. Murali Krishna	ECE	Smart Antennas
53	Mr. P. Bhagya Raju	ECE	VLSI Design
54	Mr. A. Srinu	ECE	Communications
55	Ms. P. P. Priyadarshini	ECE	VLSI Design
56	Mr. N. Srinivasa Rao	ECE	Speech Processing
57	Mr. B. Raja Sekhar	ECE	VLSI Design
58	Mr. V. Naga Raju	ECE	Fractal Antennas
59	Mr. Y. V. Lakshmaiah	ECE	Bio-Medical Instrumentation
60	Mr. Sk. Zuber Basha	ECE	VLSI Design
61	Mr. M. Sreedhar	ECE	Digital Image Processing
62	Ms. B. Rajya Lakshmi	ECE	Digital Image Processing
63	Mr. D. Raghava Reddy	ECE	Embedded Systems
64	Mr. M. Srinivasa Rao	ECE	VLSI Design
65	Mr. N. Sayedu Khasim	ECE	Communications
66	Mr. Sk. John Saidha	ECE	Digital Image Processing
67	Mr. V. Naveen Raja	ECE	Embedded Systems
68	Mr. B. Vagya Naik	ECE	Digital Signal Processing
69	Mr. N. Koteswara Rao	ECE	Digital Image Processing
70	Dr.S.N.Tirumala Rao	CSE	Data Mining
71	Dr. Shaheda Akthar	CSE	Software Engineering
72	Dr.M.Venkata Siva Prasad	CSE	Information Security
73	Dr. Suman Bhattacharya	CSE	Parallel Programming
74	B.Jhansi Vazram	CSE	Network Security
75	T.Surekha	CSE	Data Mining
76	K.Prasada Rao	CSE	Image Processing
77	Sk.Mohammad Rafi	CSE	Software Engineering
78	P.Padmavathi	CSE	Parallel Programming
79	P.G.K. Sirisha	CSE	Data Mining
80	V.V.A.S Lakshmi	CSE	Software Engineering
81	P.V.Hari Prasad	CSE	Parallel Programming
82	K.V.SureshBabu	CSE	Data Mining
83	K.Jyothi	CSE	Software Engineering
84	K.R.R. Mohana Rao	CSE	Software Engineering
85	S.SivaNageswara Rao	CSE	Mobile Computing

86	S.SureshBabu	CSE	Image Processing
87	M.Sireesha	CSE	Data Mining
88	K.Lakshminadh	CSE	Computer Networks
89	B.SanthaKumari	CSE	Computer Networks
90	Md.Sirajuddin	CSE	Computer Networks
91	K.Kameswara Rao	CSE	Image Processing
92	K.Hazarathaiah	CSE	Software Engineering
93	T.Seshu Chakravarthy	CSE	Parallel Programming
94	M.Syam Kumar	CSE	Computer Networks
95	Y.Chandana	CSE	Computer Networks
96	SdRizwana	CSE	Mobile Computing
97	O.Aruna	CSE	Computer Networks
98	K.Ravi Kiran	CSE	Data Mining
99	V.SujanBabu	CSE	Parallel Programming
100	T.Venkata Rao	CSE	Software Engineering
101	G.SunnyDeol	CSE	Network Security
102	Sk. Reshma	CSE	Data Mining
103	Sk.Basheera	CSE	Parallel Programming
104	A.Vijay Kumar	CSE	Data Mining
105	I.Swathi	CSE	Computer Networks
106	V.SyamBabu	CSE	Computer Networks
107	G.Rafi	CSE	Mobile Computing
108	Y.Nagendra Kumar	CSE	Parallel Programming
109	P.Sudheer Kumar	CSE	Mobile Computing
110	B.Rajesh	CSE	Software Engineering
111	V. Mahesh babu	MCA	Networks
112	V. Mahesh babu	MCA	Cryptography
113	D. SubbaRao	MCA	Networks
114	D. SubbaRao	MCA	Networks
115	Dr. Reddy Babu	Civil	Concrete Structures and Quality of mixing water in Cements
116	Dr. M Srinivas Narayana	MBA	Finance, HRM & Marketing

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

- National, International conferences and seminars are organized in association with professional bodies.
- Eminent researchers are invited for lectures on emerging areas and interact with teachers and students.
- Experts are also invited as judges for technical events like i- Quest (an innovative project contest) and also to review final semester students' projects.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

The institution has a policy to sanction sabbatical leave to faculty and staff for upgrading their qualifications and research activities. Around 5% of the faculty members have improved their qualifications from UG-PG & PG-Ph.D by using the sabbatical leave.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

The awareness about the latest research available at institute level is shared among the students and faculty. Apart from imparting knowledge from text book, the teaching – learning activity is made practical by giving assignments on various research topics, so that the students get initiated in reading the journals, technical papers. The student is motivated into creative thinking process in all spheres. The college is also initiating to conduct various research workshops to create research inventions by their own. The college also organizes award winning ceremonies to felicitate outstanding projects. The outside world is made aware of the in house research projects through press and research workshops.

3.2 Resource Mobilization for Research

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

In the annual budget of the Institution, 5% of total receipts is allocated for research & development activities. As the institution is only an affiliated college and located in a rural area, the research activities are at initial status and developing stage. The management is committed to encourage the faculty to take up R & D activities and is ready to extend financial support to the possible extent. The major expenditure consists of creating infrastructure facilities like purchase of equipments, software and other recurring expenditure like registration fee for conferences/journals for presentation/publication of technical papers, travel expenses etc.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

The funding plan is developed after the approval of the research project on the basis of the Research Committee's recommendations. In the funding plan, the total project cost is determined and various sources for rising funds (Govt., AICTE, UGC, etc.) are identified. The amount to be put in by the institution in the form of seed money to meet the project cost is also identified and finalized by the Research Committee. The management approves the finalized seed money as per the recommendations of the Research Committee with clear mandate of the funds allotted to be used only when the rest of the project cost has been met by funds raised from other sources.

Institute has a provision to provide seed money of Rs.4-5 lakhs to the faculty for research projects. Institute bears all the expenditure including boarding, lodging and registration fee for the same.

Dept. of Mechanical Engineering sponsored funds and extended lab facilities to complete M.Tech Projects and Ph.D of various faculties as below.

1. Bio Diesel testing_Mr.P.Srinivasa Rao-Facilities extended-Sonicator, Mixer, variable compression ratio Engine.
2. Composite testing - S.Rama Rao - Facilities extended-UTM, Vickers Hardness testing Machine.

3.2.3 What are the financial provisions made available to support student research projects by students?

The students are encouraged to take up research oriented and live projects during their UG & PG study. Financial assistance is provided for publication/presentation of technical papers and for the components to prepare live projects. Management also funds for participation in seminars, conferences and study tours related to the research project.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

- The faculty members of the concerned department are asked to identify the involvement or inputs needed by them from other faculty members or department when they propose the research project. Detailed analysis and documentation is sought with reference to such involvement or inputs.
- The Research Committee, on review of the proposal of the concerned faculty members, invites the views of the other departments or faculty members on the research project and their involvement in the project. The Research Committee thereafter conveys their approval or rejection to the project proposal.
- The institution conducted 2 major successful inter disciplinary projects in the campus.
 - Solar Project with the capacity of 1.5K.W done with the coordination of EEE Mechanical & Civil Engineering Branches of NEC.
 - Robot project with the coordination of EEE & Mechanical Engineering branches of NEC.

- Robot Programming using ZIGBEE Technology in association with CSE Dept
- MEMS based accident detection system in association with CSE Dept
- Alternate Fuels in association with Pharmacy Dept.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

The institute is having adequate number of computers of latest configuration with internet facility in all the departments. The required and relevant equipment and licensed software are also available in all the departments. In case the faculty require any new equipment for their research activities it can be acquired by the funds received from funding agencies or the Management.

The Institute has a well stocked library which includes latest syllabi as well as reference books of all relevant subjects and disciplines and the institute is always eager to purchase new edition of books every year. The college has spent about Rs.30.00 lakhs on learning resources and specialized hardware and software for the staff and students to expose new technologies in-vogue in industry. The serene atmosphere and the facilities provided in the library encourage/motivate the staff and students to take a forward step to pursue research in their relevant field/interests. Faculty members insist students to refer such data bases for literature survey during the dissertation. Both Faculty members and students are instructed to present the progress of their research work periodically.

All the faculty and students involved in research works are permitted to utilize the facilities available for their research work without any hindrance during or after college hours.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

The institution has signed an MoU with Microsoft to implement the Microsoft Innovation Centre in the Campus. This delegation opens up wide range of research and innovation opportunities to both students and faculty members. All the students and faculty members are encouraged to take active participation in the same.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organisations. Provide details of ongoing and completed projects and grants received during the last four years.

The faculty are encouraged to submit proposals for securing funds for research activities from various funding agencies, industry and other organizations by using the facilities available in the college. In case any faculty awarded/received research project from any of the agencies, the management will provide required infrastructure to complete the project within scheduled time. The work load of such faculty will also be relaxed and required leave will also be sanctioned. As a result many of our faculty members have received research projects and involved in consultancy works. The details of ongoing and completed activities are given below

Academic year 2012-13

De pt.	Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
					Sanctioned	Received	
ECE	Sponsored Research	One year	Installation of Relays	MP Spinners	50,000-00	50,000-00	
ECE	Sponsored Research	6 months	Erection of digital humidity sensors	MP Spinners	40,000-00	40,000-00	
ECE	Sponsored Research	One year	Maintenance of Variable Frequency Drive (VFD) Cooling system	MP Spinners	55,000-00	55,000-00	
ME	RPS	3 years	Designing and development of high thermal conductivity and wear resistant gear using grapheme based polyamide 66 nano composites	UGC	9.1 lakhs	7.00 lakhs	
ME	RPS	3 months	Manufacturing of die	Venkata Lakshmi Traders	50,000	50,000	

Academic year 2011-12

Dept.	Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
					Sanctioned	Received	
ECE	Sponsored Research	One year	Installation of Relays	MP Spinners	50,000-00	50,000-00	
ECE	Sponsored Research	One year	Maintenance of Variable Frequency Drive (VFD) Cooling system	MP Spinners	55,000-00	55,000-00	
ECE	Sponsored Research	6 months	Erection of digital humidity sensors	MP Spinners	40,000-00	40,000-00	

Academic year 2010-11

Dept.	Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
					Sanctioned	Received	
ME	RPS	2 years	Development of high strength of bio-composite from natural fibres and bio polymer blends	UGC	9.65 Lakhs	9.65 lakhs	
CSE	Sponsored Research	6 months	Development of ERP	MP Spinners	1,05,000/-	1,05,000/-	

Academic year 2009-10

Dept.	Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
					Sanctioned	Received	
CSE	Sponsored Research	6 months	Development of Attendance and Accounting System	KRISHNAVENI DEGREE COLLEGE : NARASARAOPET	50,000/-	50,000	
ME	RPS	3 years	Fabrication of Metal matrices nano component	UGC	10.37 lakhs	10.37 Lakhs	
ME	Sponsored Research	One year	Effect of process parameters and surface treatments on mechanical and abrasive wear performance of bio composites	Githam University , Vizag	1.00 Lakhs	1.00 Lakhs	

3.3 Infrastructure for Research**3.3.1 What are the research facilities available to the students and research scholars within the campus?**

As mentioned earlier, UG & PG courses are available in the college with all resources like laboratories with state of art facilities, library-digital library and huge computer lab with required software especially for research and project works of the students. The IQAC cell is especially available for guiding research activities to the students of the college. Internet connectivity and Wi-Fi facility is also available for the students and faculty.

(Refer to Annexure: IV – A, B)

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- Budgeting for the next ten years towards research
- Upgrading the existing facility
- Collaborating with industry for research

The emphasis of the institute is being gradually transformed to research from regular teaching as the institute is completing 15yrs of existence. As the college is located in a rural area, so far we could concentrate on improving teaching and learning process, producing better results and placements to the students. After second time accreditation by NBA, the college is now focusing on research activities and is aiming at developing a research and development centre in different research areas. In this direction, the management has created reserve funds and is allocating necessary funds in the annual budgets for the R&D facilities.

Many of our faculty members are in the process of submitting their proposals for research projects and funding to AICTE, UGC and other funding agencies. Some of the staff have already submitted their proposals for funding under various schemes to the above mentioned agencies. In department budget allocation, normally funds are separately allocated for research through which latest software and equipments can be procured to carry out the research.

Since the college is recognized under sections **12(b) & 2(f)**, it is likely to receive grants from UGC in near future.

The management is committed to upgrade the existing facilities to an extent of research centre without compromising on allocation of required funds in future. Sophisticated instruments, modeling tools, data processing softwares and modern equipments will be purchased every year for upgrading and creating the infrastructural facilities for research to meet the needs of new and emerging areas of research.

The institute is making continuous efforts to improve its interaction with industry and to have collaborative research with industry. For example, we have initiated working with a local spinning industry by accepting research and consultancy works, as there is ample opportunity to the faculty and students of mechanical engineering, civil engineering, electrical engineering, computer engineering, electronics engineering and computer science & engineering. The core engineering departments offers collaborative research activity whereas the IT related branches offers solutions for IT related problems of the Industry.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments/facilities created during the last four years.

The institution has entered into an agreement with Microsoft to implement the Microsoft Innovation Centre in the campus to nurture research talent in the college among students and faculty members.

3.3.4 What are the research facilities made available to the students and research scholars outside the campus/other research laboratories?

The college has established a computer centre in Narasaraopeta Town with adequate number of computers, softwares, internet and e-learning resources for the benefit of researchers, faculty and students beyond the college hours.

The college has established the Microsoft Innovation Centre in the campus to enable faculty members and students to utilize the latest technologies.

3.3.5 Provide details on the library/information resource centre or any other facilities available specifically for the researchers?

The college has subscribed to the e-journal packages by which the journals can be downloaded by all faculty, students, researchers and staff members. Considering the importance given for R&D in our campus, all faculty and staff members utilize this facility to come out with constructive outputs in terms of publication, funded projects, consultancy and innovative products and solutions. Faculty members have been provided with login facility. The list of journals offered by each publisher is attached for ready reference.

3.3.6 What are the collaborative research facilities developed/created by the research institutes in the college. For eg. Laboratories, library, instruments, computers, new technology etc.

Efforts are being made to have collaborative research facilities in the college campus as per the curriculum of JNTUK. The following infrastructure exists in the college, which can be utilized effectively by the faculty and students time to time. The college has signed an MOU with Microsoft to establish an innovation centre in the college with all Microsoft licensed software which can be utilized by the research faculty, staff and students. The amounts received and collaborative/sponsored research and consultancy activities are utilized for creating and/or strengthening the following facilities in the college for creating conducive atmosphere for research in the college in respect of Laboratories, Library & E-Library, Computers, Instruments, Seminar Hall etc.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- * Patents obtained and filed (process and product)
- * Original research contributing to product improvement
- * Research studies or surveys benefiting the community or improving the services
- * Research inputs contributing to new initiatives and social development

The staff have achieved good results in research activities by completing the research projects and provided technical solutions to many organizations under consultancy as mentioned above in 3.2.7. The faculty members of the institution have published 285 papers in National and International journals and conferences in the last four years.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

The institution's faculty members have contributed in many national and international journals. The details of the same can be seen in **Annexure II- F.**

3.4.3 Give details of publications by the faculty and students:

- * Publication per faculty
- * Number of papers published by faculty and students in peer reviewed journals (national/international)

Department-wise faculty contributions:

ME Department

Sl. No	Name of the Faculty	Designation	No. of research publications in journals and conferences since joining the department and Total no. of such publications					# of R&D and consultancy Projects and amount(Rs)
			N.C	I.C	N.J	I.J	Total	
1	Dr. D. Suneel	Professor		6	3	10	19	Rs.50,000
2	Dr. M. Muralidhar Rao	Professor	4	10	--	15	29	--
3	Dr. G. Venkateswarlu	Professor	3	2	1	14	20	-
4	K.Varaprasada Rao	Professor	4	-		3	7	-
5	Dr. G. Bhanu Kiran	Assoc. Prof.		6		9	15	Rs.9.1 Lakhs
6	B.K.C.Ganesh	Assoc. Professor		4	-	7	11	-
7	K.Sankar Narayana	Assoc. Professor	1	3	-	2	5	-
8	S.Hemanth Kumar	Assoc. Professor	-	-	-	1	1	-
9	N.V.S.Sankar	Assoc.Prof.	3	-	-	5	8	
10	V.Nageswara Rao	Assoc. Professor						Rs.3,300
11	P.Srinivasa Rao	Asst. Prof.	-	-	-	1	1	-
12	R.Jyothu Naik	Asst. Prof	-	-	-	1	1	-

ECE Department

S.No.	Name	Designation	No. of Research Publications
1	Dr. B.V. Rama Mohana Rao	Professor and Principal	IJ: 7 IC: 5
2	Dr. V. Venkata Rao	Professor	IJ: 7 IC: 4 NJ: 2 NC: 3
3	Dr. M. Venu Gopala Rao	Professor	IJ: 10 IC: 1

4	Dr. P. Subbaiah	Professor	IJ: 5
5	Dr. D. Venkata Rao	Professor	IJ: 5 IC: 2 NJ: 1 NC: 4
6	Ms.V.S.R. Kumari	Professor	IJ: 1
7	Mr. J.V.K. Ratnam	Professor	IJ: 3 IC: 3
8	Mr. P.S.S. Chakravarthy	Professor	IJ: 2
9	Mr. J. Narasimha Rao	Professor	IJ: 2
10	Mr. B. Manjula	Associate Professor	IJ: 4 IC: 1
11	Mr. S. Vidya Rani	Associate Professor	IJ: 1
12	Mr. S. Koteswara Rao	Associate Professor	IJ: 6 IC: 3 NC: 5
13	Ms. S. Sree Chandra	Associate Professor	IJ: 1
14	Mr. Yadavalli Murali Krishna	Assistant Professor	IJ: 1
15	Mr. Pullagura Bhagya Raju	Assistant Professor	IJ: 1 IC: 1
16	Mr. Addanki Srinu	Assistant Professor	IJ: 1
17	Ms. P. Padmaja Priyadarsini	Assistant Professor	IJ: 1
18	Mr. M. Srinivasa Rao	Assistant Professor	IJ: 2 IC: 1
19	Mr. N. Sayedu Khasim	Assistant Professor	IJ: 6
20	Mr. Sk. John Saida	Assistant Professor	IJ: 2

IT Department

S.No.	Name of the Faculty	Designation	Number of research publications in journals and conferences since joining	IP Rs	R & D and Consultancy work with amount
1	Dr.T.Venkateswara Rao	Professor	2		
2	Prof. S. Gopi Krishna	Professor	5		
3	Prof.V.Mahesh Babu	Professor	2		6,000
4	G.L.N.Jayaprada	Assoc. Prof.	7		
5	B.Lalu Naik	Assoc. Prof.	2		10,000
6	G.Ismail	Asst. Professor			6,000
7	V. Madhava Naidu	Asst. Prof.			10,000

8	D.Sunitha	Asst. Prof.	1		6,000
9	G.Vijay Kumar	Asst. Prof.			10,000
10	O.Gandhi	Asst. Prof.			10,000
11	V.Sandhya Rani	Asst. Prof.	1		10,000
12	R.Neelima Devi	Asst. Prof.			10,000

CSE Department

S.No	Name of the Faculty	Designation	No. of research publications in journals and conferences since joining	IPRs	# of current R & D and consultancy projects and the amount
1	Dr.S.N.Tirumala Rao	Professor	11		2 1,00,000
2	Dr. Shaheda Akthar	Professor	17		3 1,50,000
3	Dr.M.Venkata Siva Prasad	Professor	5		3 1,50,000
4	B.Jhansi Vazram	Professor	3		3 1,50,000
5	T.Surekha	Assoc. Prof	2		2 1,00,000
6	K.Prasada Rao	Assoc. Prof	1		2 1,00,000
7	Sk.Mohammad Rafi	Assoc. Prof	3		3 1,50,000
8	S.Siva Nageswara Rao	Asst. Prof.	5		3 1,50,000
9	S.Suresh Babu	Asst. Prof.	2		2 1,00,000
10	M.Sireesha	Asst. Prof.	--		3 1,50,000
11	K.Lakshminadh	Asst. Prof.	5		2 1,00,000
12	B.Santha Kumari	Asst. Prof.	--		1 50,000
13	Md.Sirajuddin	Asst. Prof.	4		3 1,50,000
14	K.Kameswara Rao	Asst. Prof.	--		2 1,00,000
15	T.Seshu Chakravarthy	Asst. Prof.	--		2 1,00,000

EEE Department

S.No	Name of the Faculty	Designation (administrative positions, if any,)	Publications
1.	Dr. R.V.D. Rama Rao	Professor.	10 +3
2.	Dr. V. Srinivasula Reddy	Professor.	6
3.	Dr. J. Viswanatha Rao	Professor	6
4.	Dr. G. Madhusudhana Rao	Professor	6
5.	Prof. B. J. P. Satya Kumar	Professor	4
6.	K.Suresh	Assoc. Professor	2
7.	P.D.V.S.K.Kishore	Assoc. Professor	2
8.	J.Sunil Babu	Assoc. Professor	2
9.	Sk.Md.Shareef	Assoc. Professor	2
10.	Y.Rajesh Babu	Assoc. Professor	2
11.	Sk.P.Karimulla	Assoc. Professor	1
12.	A. Ramanjaneyulu	Assoc. Professor	1
13.	P. Ravi Kumar	Assoc. Professor	3
14.	G. Koti Reddy	Assoc. Professor	2
15.	N.Vanajakshni	Asst. Prof.	1
16.	D. Gangadhara Reddy	Asst. Prof.	1
17.	U. Naresh	Asst. Prof.	1
18.	G. Naga Raju	Asst. Prof.	1
19.	D. Sagar	Asst. Prof.	1
20.	Ch. Assan	Asst. Prof.	1
21.	P. Prasanna Lakshmi	Asst. Prof.	1
22.	R. Ratna Raju	Asst. Prof.	1

MCA Department

S.No	Faculty Name	Designation	No. of Publicatios
1	V. Mahesh Babu	HOD	2
2	D. Subba Rao	Assistant Professor	2

Many of our faculty and students have published their technical papers in national & International peer reviewed journals. Some of them have been listed in international database and include chapters in books. Many of our faculty publications are having high citation index and impact factor. The list of all publications of our faculty and students are enclosed as **Annexure II- F**

3.4.4 Provide details (if any) of

- * research awards received by the faculty
- * recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally
- * Incentives given to faculty for receiving state, national and international recognitions for research contributions.

The faculty will be reimbursed the cost of the registration for the papers published in the reputed journals and towards travelling expenses for presenting papers in conferences.

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

The institution is actively considering involving some of the experts from the industry in the Faculty Advisory Committee/Academic Council to help the concerned faculty or department in including case studies, examples from the real life situations and also to suggest additional topics to be covered in each of the courses.

The institution encourages consultancy work by either developing the industry project in house or having faculty members as part of the projects being developed in the concerned company.

The institution frequently invites experts from the industry for guest lectures, workshops, seminars and conferences. The institution also organizes industry visits by the students and facilitates internships with companies to provide real time experiences to the students.

As mentioned earlier, the college has established Industry collaborations for getting assistance in placements as well as research activities for the students: The institution has entered into an agreement with MICROSOFT & TCS to help identify internship and employment opportunities for eligible students.

The placement cell takes the students to various job fairs where different companies come and select the students according to their requirements. An assessment of each department is made periodically by the cell to ensure the preparation of the students to meet industry standards for their future employment.

Guest lectures and workshops are being conducted by industry experts on regular basis for students on different management topics related to the curriculum and other contemporary topics.

The institute keeps in touch with the passed out students of the college who are presently working in the companies. These students are also very helpful in arranging the visits of the companies for placements.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

The Institute has a consultancy cell, which includes the principal as the head, experts of all the departments and experts from industry. The institution on recommendations from the consultancy cell actively encourages consultancy works by individual faculty members. Besides allowing the concerned faculty member to undertake the consultancy work, the faculty member is entitled to use the facilities and the students at the college for the purpose of consultancy.

All the faculty members are informed from time to time about the consultancy assignments taken up by other faculty members and also the opportunities available for other consultancy works.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The college motivates the professionally qualified faculty to utilize their expertise for services with the permission of the institute to help promote liaison with industry/companies. In return, the students get an opportunity to visit these companies and the placement process is, thus, facilitated. In addition outstanding achievements are appreciated with awards and certificates during celebrations/meetings.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

The faculty along with some of the students has taken up consultancy works to offer solutions to the problems referred by the local industries and other institutions. The college has generated revenues as shown above in 3.2.7. The major areas of consultancy offered by the college are:

1. Computers maintenance and structured cabling
2. Developing software for attendance and accounting systems
3. Training to the personnel of other institutes from industry on software and computer applications
4. Advise and planning of erection and establishing of laboratories
5. Advise and planning of purchase of equipment, computers and software
6. Annual maintenance of equipment
7. Testing of materials
8. Training to technical staff of other institutions
9. Installation of relays digital sensors and equipments etc.,

The following are the year wise details of consultancy works undertaken and amounts received department wise for last four years

Academic year: 2009-10

Dept.	Nature of the Work	Faculty Involved	Name of the funding agency	Amount received till date
CSE	Computers maintenance and structured cabling	Dr.D.Subba Rao & others	NITN	1,20,000
CSE	Training on PL/SQL	Dr.M.Venkata Siva Prasad & others	SMCE, Guntur	40,000
CSE	Training on C & Data Structures	Dr.Shaheda Akthar & Others	Krishnaveni Degree College, NR Pet	20,000
CSE	System Purchase and Networking	Dr.Shaheda Akthar & Others	Krishnaveni Degree College, NR Pet	30,000
CSE	Computer Hardware maintenance	Dr.M.Venkata Siva Prasad & others	Krishnaveni Degree College, NR Pet	60,000
ME	Erection of Mechanical Engg. Labs	S.Rama Rao & Others	SMCE, Guntur	20,000
ME	Testing of Bricks	Ch.Venkata Rao	Veeralingeswara Fly ash brick industry, NR pet	Free of cost
EEE	Overall maintenance of machinery		SMCE, Guntur	20,000
EEE	Installing electrical machinery		NITN, NR Pet	30,000
ECE	a) Installation of Digital Signal Processing b) Lab manual preparation of Digital Signal Processing c) Training to conduct lab experiments	Mr.V.Venkata Rao & others	SMCE, Guntur	45,000-00
ECE	a) Installation of Microwave and Optical Communication Lab b) Lab manual preparation of Microwave and Optical Communication Lab c) Training to conduct lab experiments	Mr.V.Venugopala Rao & others	SMCE, Guntur	45,000-00

Academic year : 2010-11

Dept.	Nature of the Work	Faculty Involved	Name of the funding agency	Amount received till date
CSE	Training on PL/SQL	Dr.M.Venkata Siva Prasad & others	NITN, NR pet	40,000
CSE	Computer Purchase and Networking	Dr.Shaheda Akthar & Others	Mittapalli Spinners Ltd., NR Pet	60,000
CSE	Computer Purchase and Networking	Dr.Shaheda Akthar & Others	NIPS, NR pet	50,000
CSE	Training on UNIX Programming	Dr.M.Venkata Siva Prasad & others	NITN, NR pet	40,000
CSE	Training on UNIX Programming	Dr.M.Venkata Siva Prasad & others	SMCE, Guntur	40,000
ME	Design of Plant layout and safety measures	K.V.P.Rao & Others	Mittapalli Spinners Ltd., NR Pet	1,000
ME	Microhardness testing	A.Chandra Mouli & Others	D.Venkata Rao, Contractor	1,500
ME	Testing bricks	A.Chandra Mouli	Veeralingeswara Fly ash brick industry, NR pet	Free of cost
ME	Erection of Mechanical Engg. Labs	S.Rama Rao & Others	SMCE, Guntur	20,000
EEE	Preparation & Finalization of quotations for heavy machinery		Mittapalli Spinners Ltd.	40,000
EEE	Plant electrification		Mittapalli Spinners Ltd.	20,000
EEE	Installing electric machinery		SMITW, Tummalapalem	15,000
EEE	Erection of electrical machines lab -1		SMCE, Guntur	30,000
EEE	Erection of electrical machines lab -1		NITN, NR Pet	40,000
ECE	d) Installation of Digital Signal Processing e) Lab manual preparation of Digital Signal Processing f) Training to conduct lab experiments	Dr.P.Subbaiah & Others	NITN, NR Pet	40,000
ECE	d) Installation of Microwave and Optical Communication Lab e) Lab manual preparation of Microwave and Optical Communication Lab f) Training to conduct lab experiments	Dr.K.Srinivasa & Others	SMITW, Guntur	40,000-00

Academic year: 2011-12

Dept.	Nature of the Work	Faculty Involved	Name of the funding agency	Amount received till date
CSE	Data Entry	Dr.S.N.tirumala Rao & Others	Mittapalli Spinners Ltd., NR Pet	60,000
CSE	Training on System maintenance and networking	Dr.M.Venkata Siva Prasad & others	Mittapalli Spinners Ltd., NR Pet	27,000
CSE	Training on UNIX Programming	Dr.M.Venkata Siva Prasad & others	Krishnaveni Engg College for Women, NR Pet	42,000
CSE	Training on PL/SQL	Dr.M.Venkata Siva Prasad & others	Krishnaveni Engg College for Women, NR Pet	40,000
CSE	Training on PL/SQL	Dr.S.N.tirumala Rao & Others	SMCE, Guntur	40,000
CSE	Training on Computer maintenance	Dr.Shaheda Akthar & Others	NITN, NR Pet	1,10,000
ME	Testing bricks	Ch.Venkata Rao	Veeralingeswara Fly ash brick industry, NR pet	100
ME	Training of Technical Staff	S.Rama Rao & others	Venkata Lakshmi Traders	10,000
ME	Plant erection	Dr.D.Suneel & others	Mittapalli Spinners Ltd., NR Pet	70,000
EEE	Erection of electrical machines lab – 1		SMCE, Guntur	30,000
EEE	Erection of electrical machines lab - 2		SMCE, Guntur	50,000
EEE	Erection of electrical machines lab - 2		NITN, NR Pet	45,000

Academic year : 2012-13

Dept.	Nature of the Work	Faculty Involved	Name of the funding agency	Amount received till date
CSE	H/W Maintenance and structure cabling	Dr.S.N.Tirumala Rao & Others	Krishnaveni Degree College, NR Pet	1,05,000
CSE	Training on Cognos	Dr.D.Subba Rao & others	SMITW, Tummalapalem	50,000
CSE	Training on Informatic ETL Tool	Dr.D.Subba Rao & others	SMITW, Tummalapalem	55,000
CSE	H/W Maintenance and structure cabling	Dr.S.N.Tirumala Rao & Others	NITN, NR Pet	1,05,000
CSE	Traning on operating system, MS Office and Photo Shope	Dr.Shaheda Akthar & Others	NIPS, NR Pet	50,000
CSE	AMC	Dr.Shaheda Akthar & Others	NIPS, NR Pet	60,000

ME	Testing of Bio diesel	V.Nageswara Rao & Others	Siddhardha Engg. College	3,000
ME	Measuring Miscosity of three samples of hydraulic 68 oil	V.Nageswara Rao & Others	Viswateja Spinning mills Ltd	300
EEE	Erection of power electronics lab		SMCE, Guntur	30,000
EEE	Installing electrical machinery		NIPS, NR Pet	20,000
EEE	Erection of electrical machines lab - 2		SMITW, Tummalapalem	35,000
EEE	Erection of electrical machines lab - 2		PIT & M Guntur	40,000
EEE	Maintenance of machinery		Mittapalli Spinners Ltd., NR Pet	25,000
EEE	Maintenance of machinery		Mittapalli Spinners Ltd., NR Pet	20,000

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

The college is having a policy of sharing the income generated through consultancy in the ratio of 60:40 by the institute and faculty involved in consultancy works. The share received by institution is utilized for developing the infrastructure and in the creation of research facilities in the organization.

3.6 Institutional Social Responsibility (ISR) and Extension Activities

3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The college aims to achieve its goals of providing higher education to create just, plural and equitable society in consonance with constitutional values. The major strength of this college is its ability to ensure holistic development of students to make them enlightened citizens. The college is an 'equal opportunity' institution established to provide knowledge and quality education to all sections of society. It aims to maintain modern outlook with contemporary developments without compromising moral values. The institution plans and organizes its extension and outreach programmes through the NSS & NCC Units of the college, NGOs and Youth Red Cross Unit.

➤ **NSS:**

- Organized Blood donation camps
- Free dental camp
- Cleaning of bushes, planted saplings
- Adoption of Village
- Special NSS weeklong Programmes
- Health & Technology Awareness Programs

S.No	Name of the Event	Organized By & Conducted At	Date	Dignitaries participated in the event
1	Blood Donation Camp	NEC Campus,NRT	15-09-2011	Red cross Secretary, & Medical Officers, Narasaraopet.
2	Plantation Programme	NEC NSS Volunteers at Guruvayapalem	21-11-2011	Village Surpanch, Guruvayapalem, &Chairman, Secretary, Principal and AO of NEC.
3	Rally conducted against corruption, Terrorism & HIV/AIDS	Conducted by NEC NSS Volunteers in Narasaraopet town	22-11-2011	NSS Volunteers and NSS Programme Officer.
4	Veterinary camp	Conducted by NSS volunteers of NEC, Guruvayapalem	23-11-2011	Veterinary Doctor, Yellamanda, NSS Volunteers & NSS Programme Officer.
5	Distribution of Books and necessities for Poor Government School Children	Conducted by NSS volunteers of NEC, Guruvayapalem	24-11-2011	Village Surpanch, Guruvayapalem & Chairman, Secretary, Principal and AO of NEC.
6	Funds collected for Orphans, Physically Challenged and victims of Terrorist Attack on behalf of National Foundation for Communal Harmony(NFCH)	Group of NEC	05-12-2011 To 10-12-2011	NSS Volunteers and NSS Programme Officer.
7	Clean and Green Programme.	NSS Volunteers	25-11-2011	NSS Volunteers





3.6.2 What is the Institutional mechanism to track students' involvement in various social movements/activities which promote citizenship roles?

Students are motivated to take part and associate themselves in various programmes that promote good citizenship and social service to community. Students are to submit a photocopy of attendance, participation certificate soon after they return back to the institution.

In case of non- availability of this certificate a written permission with approval from the Principal, HOD or any senior faculty is to be submitted to treat such programmes as co-curricular activities linking to academic work.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The institute consistently associates with all its stakeholders frequently as part of continuous improvement programme. Meeting with parents, well wishers and informal conversation with public on many occasions (in campus and off campus) has provided sufficient information for implementing their ideas and suggestions for enhancing the quality of the institution and overall performance. Written documents such as visitors' diary and feedback questionnaire are formal methods that are adopted by the institution for seeking the stakeholders' perception.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The institute attempts to reach and extend its programme through various organized activities such as workshops, seminars, conferences and annual technical and cultural activities. These programs encompass, both in content and coverage for the students, faculty and supporting staff.

The management will provide adequate funds to meet the expenditure incurred in the organization of such activities.

The management has developed evaluation tools for stakeholders to record their opinions, suggestions and objection for constructive developments for future. Institute is highly concerned with its stakeholder i.e. students, parents, staff, alumni.

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?

The college undertakes wide spread cross-curricular enrichment activities through NSS and Eco-Club other forms of community development activities. During admission and orientation, the representatives of these units appraise students on the benefits and scope of the extension activities. The detail of the program is displayed on the notice board and an interaction of students is organized with NSS officer and Youth Co-ordinator of the college.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

The institution sincerely practices state social affirmative schemes introduced by the government for the upliftment of higher education to under privileged communities. The college NSS unit has been organizing many activities. The students along with the college faculty have visited the orphanage, blind home and lepers' society.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

Most of the extension activities are trying to build students leadership skills, communication skills, emotional intelligence and developing organizing skills in addition to make them responsible citizen with concern for society, environment and country at large. The extension and outreach programmes instill volunteerism and philanthropy in the students and a deeper understanding of and commitment to the community is developed in students. Experiences gained through extension and outreach programmes helps students make better decisions, adapt to change, improve their self-esteem and better prepare for their career, among other benefits. Such programmes encourage students to develop a lifelong ethic of service to society.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

The institution is roping in communities to actively participate in all the extension activities. This has contributed to both community institution networking and development of institutions. Awareness drives conducted involve the participation of local communities including the target beneficiaries. Extensive local participations were witnessed during tree plantation, blood donation and vigilance awareness drives. The alumni association is also deeply involved in all these extension activities.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- The NSS Unit of the college conducts blood donation camps in collaboration with Red Cross organization.
- It also conducts Blood grouping camps in association with District Chemist & Drugist association with the help of the students and staff of Narasaraopeta institute of Pharmaceutical Sciences.
- In association with local Dental association organized dental camps in surrounding villages.
- In association with local municipality organized clean and green programmes in flood affected areas and provided necessary services to the flood affected people.
- Distributed clothes, cosmetics, sports material and electrical fans to the blind students.
- In association with District Veterinary Department organized veterinary camps in surrounding villages.
- In association with Forest Department organized many tree plantation which amounts to more than a lakh plants to preserve environment and protect from flood.
- The college has adopted Guravayapalem village which is 3kms away from the college and provided necessary services in the village.

- Promotes communal harmony among the students and staff under the aegis of National foundation for Communal Harmony.

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

- Received appreciation certificates from Red Cross Society, District Collector and Local Minister of Govt. of A.P for organizing a no. of social service and extension activities and for the contributions to the social and community development.

3.7 Collaborations

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The institution has entered into collaboration with MICROSOFT for implementing Microsoft Innovation Centre in the campus which allows for constant and development activities and helps in upgrading the institutional facilities.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

As per the MICROSOFT Ed-Vantage Program agreement, the institution is entitled to avail the following benefits from the corporate:

- Microsoft facilitated industry connections to help identify relevant internship and employment opportunities for eligible students.
- On campus Microsoft Innovation Centre that can facilitate strong technology innovation amongst students.
- Academic alliance recognition from Microsoft that clearly distinguishes the special technology related tools, resources and infrastructure investments made by the institution.
- A host of other benefits that will help students and faculty learn and grow.

The institution has also entered into an agreement with TCS for providing placement opportunities for eligible students.

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories/library/new technology/placement services etc.

All the engineering departments are involved in industry interaction by way of organizing guest lectures by prominent people from industry on latest trends and developments in the industry. They are also indulged in sponsored research and consultancy activities with industries which are explained earlier. With the funds received under the above activities the management has developed infrastructure

facilities like augment of laboratories, purchase of required softwares, books etc., The institution has Microsoft Innovation Centre established in collaboration with MICROSOFT for research and development activities and to provide additional training to the students to improve their employment/placement opportunities.

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

The institution organizes many conferences, seminars and workshops inviting experts in their areas of interest to keep the students and faculty members abreasted with the latest developments in the industry. The following is the list of some of the events conducted and the eminent personalities invited for the same:

EEE Department

S. No.	Date	Activity	Resource person(s)
1	14.07.2009 & 15.07.2009	2-day workshop on “Advanced Signal Processors”	Dr.T.Kishorekumar, N.I.T, Warangal Dr.C.B. Rama Rao, N.I.T Warangal
2	18.07.2009	A Seminar on “Customer utility based Software development”	Dr.K.V.Sambasiva Rao, Principal, MVGR College of Engg
3	15.12.2009	A Seminar on “Microsoft Certificate Awareness Programme”	Jaya Chand, Sr. Executive Microsoft Technologies, Hyderabad
3	09.2.2010	Guest Lecture on “Recent trends in wireless Technology”	Dr.D.Nagendra Rao, Vice Principal, J.B.I.T., Hyderabad.
4	3/12/2010 to 04/12/2010	Two-Day National Level Workshop on “Recent Advances in Modeling Languages & Network Programming”	P.B.Ranga, Consultant, TCS, Hyderabad. K.Sampath Kumar, Asst.Consultant, TCS, Hyderabad
5	05/8/2011	One-Day Seminar on “ GSM Technology”	Dr. S.H .Khan, Head, Dept. Of ECE, K. L.University, Vijayawada
6	17/09/2011	One-Day Seminar on “Technologies and Domains”	S.KrishnaRao, CEO, Infopark Software Technologies, Vijayawada
7	12/9/2011	One-Day Seminar on “Web Deployment”	Prof. A.P.Siva Kumar, Dept.of CSE, JNTU-Ananthapur
8	23/09/2011 to 24/09/2011	Two-Day National Level Workshop on “Data Clustering Algorithms”	Prof.N.B.Venkateswarlu, Former Faculty, of BITS, Pilani, India.

9	17/12/2011	One-Day Seminar on "Microsoft Technologies"	M.Sai Chander, Technical Relationship Manager, Microsoft Geo Expansion Team, Denave India Pvt. Ltd., Hyderabad.
10	18/02/2012	One-Day Seminar on "Adhoc Networks and Sensor Networks"	Dr.O.B.V.Ramanaiah, Professor, Dept. of CSE, JNTU Hyderabad
11	15/3/2012	One Day Seminar on "Object Oriented Analysis and Design"	Dr.E.Sreenivasa Reddy, Professor & Vice-Principal, Dept. of CSE, Acharya Nagarjuna University.
12	12-04-2012	MISSION-10X	Dr. G. Tulasiram Das

CSE Department

S.No	Name of the Society	Date	Activity	Resource person(s)
1	IEEE	14.07.2009 & 15.07.2009	2-day workshop on "Advanced Signal Processors"	Dr.T.Kishorekumar, N.I.T Warangal Dr.C.B. Rama Rao, N.I.T Warangal
2	ISTE	18.07.2009	A Seminar on "Customer utility based Software development"	Dr. K.V.SambasivaRao, Principal, MVGR College of Engg
3	IEEE	15.12.2009	A Seminar on "Microsoft Certificate Awareness Programme"	Jaya Chand, Sr. Executive Microsoft Technologies, Hyderabad
3	ISTE	09.2.2010	Guest Lecture on "Recent trends in wireless Technology"	Dr.D.Nagendra Rao, Vice Principal, J.B.I.T., Hyderabad.
4	ISTE	3/12/2010 to 04/12/2010	Two-Day National Level Workshop on "Recent Advances in Modeling Languages & Network Programming"	P.B.Ranga, Consultant, TCS, Hyderabad K.Sampath Kumar, Asst. Consultant, TCS, Hyderabad
5	ISTE	05/8/2011	One-Day Seminar on "GSM Technology"	Dr. S.H .Khan, Head, Dept. Of ECE, K. L. University, Vijayawada
6	ISTE	17/09/2011	One-Day Seminar on "Technologies and Domains"	S.KrishnaRao, CEO, Infopark Software Technologies, Vijayawada
7	ISTE	12/9/2011	One-Day Seminar on "Web Deployment"	Prof. A.P.Siva Kumar, Dept.of CSE, JNTU-Ananthapur

8	ISTE	23/09/2011 to 24/09/2011	Two-Day National Level Workshop on “Data Clustering Algorithms”	Prof.N.B.Venkateswarlu, Former Faculty, BITS, Pilani, India.
9	ISTE	17/12/2011	One-Day Seminar on “Microsoft Technologies”	M.Sai Chander Technical Relationship Manager, Microsoft Geo Expansion Team, Denave India Pvt. Ltd. Hyderabad
10	ISTE	18/02/2012	One-Day Seminar on “Adhoc and Sensor Networks”	Dr.O.B.V.Ramanaiah, Professor, Dept. of CSE, JNTU Hyderabad
11	ISTE	15/3/2012	One Day Seminar on “Object Oriented Analysis and Design”	Dr.E.Sreenivasa Reddy, Professor & Vice-Principal, Dept. of CSE, Acharya Nagarjuna University.
12	ISTE	21/07/2012	One Day Seminar on “Cloud Computing”	Mr.Vamsi Krishna, ARISCENT, Chennai
13	ISTE	25/08/2012	One Day Seminar on “IP &MLS “	Mr.Vamsi Krishna, ARISCENT, Chennai
14	ISTE	08/09/2012	One Day Seminar on “Android Operating System”	Mr.V.Siddardh
15	ISTE	26 & 27 /09/2013	Workshop on “System Administration & Python”	Mr.Giri&Abhinav rom setchTechnologie
16	ISTE	01.10.2013	One Day Seminar on “QUALNET”	Ms.S.Srujana ,Nihon Communication Solution, Banglore
17	ISTE	2&3/1/2013	Workshop on “Drupal Website Development”	Ms.Madhavi, SwtchaTechnol
18	ISTE	7,8/1/2013	Workshop on “ANDROID”	Mr.Abhinav & Dinesh, Blue Eminence Delhi & IIT Kharagpur
18	ISTE	Jan/11/2013	One Day Seminar on “Windows 8”	B.N.Venkatesh, Microsoft
19	ISTE	21/03/13	One Day Seminar on “Biometrics”	Mrs.G.Madhavi, University College of Engineering, JNTUK

IT Department

S.No	Name of the Society	Date	Activity	Resource person(s)
1	IEEE	14.07.2009-15.07.2009	2-day workshop on “Advanced Signal Processors”	Dr.T.Kishore Kumar, N.I.T Warangal Dr.C.B. Rama Rao, N.I.T Warangal
2	ISTE	18.07.2009	A Seminar on “Customer utility based Software development”	Dr. K.V.SambasivaRao Principal, MVGR College of Engg
3	IEEE	15.12.2009	A Seminar on “Microsoft Certificate Awareness Programme”	Jaya Chand, Sr. Executive Microsoft Technologies, Hyderabad
4	ISTE	09.2.2010	Guest Lecture on “Recent trends in wireless Technology”	Dr.D.Nagendra Rao, Vice Principal, J.B.I.T., Hyderabad.
5	ISTE	3/12/2010-04/12/2010	Two-Day National Level Workshop on “Recent Advances in Modeling Languages & Network Programming”	P.B.Ranga, Consultant, TCS, Hyderabad K.Sampath Kumar, Asst. Consultant, TCS, Hyderabad
6	ISTE	05/8/2011	One-Day Seminar on “ GSM Technology”	Dr. S.H .Khan, Head, Dept. Of ECE, K. L. University, Vijayawada
7	ISTE	17/09/2011	One-Day Seminar on “Technologies and Domains”	S.KrishnaRao, CEO, Infopark Software Technologies, Vijayawada
8	ISTE	12/9/2011	One-Day Seminar on “Web Deployment”	Prof. A.P.Siva Kumar, Dept.of CSE, JNTU-Ananthapur
9	ISTE	23/09/2011-24/09/2011	Two-Day National Level Workshop on “Data Clustering Algorithms”	Prof.N.B.Venkateswarlu, Former Faculty member of BITS, Pilani, India.
10	ISTE	17/12/2011	One-Day Seminar on “Microsoft Technologies”	M.Sai Chander, Technical Relationship Manager, Geo ExpansionTeam, Denave India Pvt. Ltd. Hyderabad.
11	ISTE	18/02/2012	One-Day Seminar on “Adhoc Networks and Sensor Networks”	Dr.O.B.V.Ramanaiah, Professor, Dept. of CSE, JNTU Hyderabad

12	ISTE	15/3/2012	One Day Seminar on “Object Oriented Analysis and Design”	Dr.E.Sreenivasa Reddy, Professor & Vice-Principal, Dept. of CSE, Acharya Nagarjuna University.
13	ISTE	02/01/2013-03/01/2013	Workshop on “Website Development using Drupal”	Ms.Madhavi, Swetcha Technologies
14	ISTE	07/01/2013-08/01/2013	Android workshop	Mr. Devesh& Mr. Abhiram
15	ISTE	21/03/2013	One day seminar on Bio-metrics	MrsG.Madhavi, Asst Prof. University College of Engineering, Vizianagaram
16	ISTE	12/06/2013-13/06/2K13	NECICC-2K13 International Conference on Computing	Prof.G.Tulasi Ram Das, VC, JNTUK Prof.Y.K.Sundara Krishna, i/c Principal, Krishna University Campus College
17	ISTE	09/07/2013-10/07/2013	Inauguration of Microsoft Innovation Centre. Microsoft Ed-vantage Platinum level campus Program	Mr. Raj Kotari
18	ISTE	27/07/2013	Development of Software Projects in Software Industries	Mr. P. RaviTeja Software Engineer, TCS
19	ISTE	31/08/2013	Swami Vivekananda 150 th Birth Day Celebrations. Awareness program on Indian Culture and Traditions	
20		15/09/2013	Awareness Program on Microsoft Certification Programs	Mr. Sai Kiran
21	AICTE	13/09/2013-14/09/2012	Research Avenues in Global Positioning Systems	Dr.G.Sai Sasi Bhushan Rao, Head, ECE Dept., Andhra University. Dr. T.Madhu, Principal, Swarnandhra College of Engineering Technology

ECE Department

S.No.	Name of the Society	Date	Activity	Resource person(s)
1	IEEE	14.07.2009 & 15.07.2009	2-day workshop on “Advanced Signal Processors”	Dr.T.Kishore Kumar, N.I.T Warangal Dr.C.B. Rama Rao, N.I.T Warangal
2	ISTE	18.07.2009	A Seminar on “Customer utility based Software development”	Dr. K.V.SambasivaRao, Principal, MVGR College of Engineering, Vizianagaram
3	IEEE	15.12.2009	A Seminar on “Microsoft Certificate Awareness Programme”	Jaya Chand, Sr. Executive Microsoft Technologies, Hyderabad
4	ISTE	09.2.2010	Guest Lecture on “Recent trends in wireless Technology”	Dr.D.Nagendra Rao, Vice Principal, J.B.I.T., Hyderabad.
5	ISTE	3/12/2010 to 04/12/2010	Two-Day National Level Workshop on “Recent Advances in Modeling Languages & Network Programming”	1. P.B.Ranga, Consultant, TCS, Hyderabad 2. K.Sampath Kumar, Asst. Consultant, TCS, Hyderabad
6	ISTE	05/8/2011	One-Day Seminar on “ GSM Technology”	Dr. S.H .Khan, Head, Dept. Of ECE, K. L. University, Vijayawada
7	ISTE	17/09/2011	One-Day Seminar on “Technologies and Domains”	S.KrishnaRao, CEO, Infopark Software Technologies, Vijayawada
8	ISTE	12/9/2011	One-Day Seminar on “Web Deployment”	Prof. A.P. Siva Kumar, Dept.of CSE, JNTUA, Ananthapur
9	ISTE	23/09/2011 to 24/09/2011	Two-Day National Level Workshop on “Data Clustering Algorithms”	Prof. N.B.Venkateswarlu, Former Faculty member of BITS, Pilani, India.
10	ISTE	17/12/2011	One-Day Seminar on “Microsoft Technologies”	M.SaiChander, Technical Relationship Manager, Microsoft Geo Expansion Team, Denave India Pvt. Ltd., Hyderabad
11	ISTE	18/02/2012	One-Day Seminar on “Adhoc Networks and Sensor Networks”	Dr.O.B.V.Ramanaiah, Professor, Dept. of CSE, JNTU Hyderabad
12	ISTE	15/3/2012	One Day Seminar on “Object Oriented Analysis and Design”	Dr.E.Sreenivasa Reddy, Professor & Vice-Principal, Dept. of CSE, AcharyaNagarjuna University, Guntur.

ME Department

S.No	Year	Professional Society/ Chapter	Name of the Event	Resource Person(s)	Date(s)
1	CAY 2012-13	ISTE	An Awareness Programme on ROBOTICS & ITS FUTURE	Mr. Mahesh Modali, Indo Global Services, Hyderabad	24-07-2012
2	CAY 2012-13	ISTE	A Guest Lecture on Role of Carbon Nano Tubes in Mechanical Engg.	Dr. P.K. Jain, Scientist-F, ARCI, HYDERABAD	07-09-2012
3	CAY 2011-12	ISTE	One-Day Seminar on “Characterization of Nano-material using Nano-indentation”	Dr. Ch. Srinivasa Rao, Professor, KHIT, Guntur, A.P.	10-01-2012
4	CAYm1 2010-11	ISTE	A Two day national level workshop on “Synthesis and characterization of Nano-materials”	1. Dr. D. Suneel, Professor, Dept. of ME, KL University, Guntur 2. Dr. R.R. Srikanth, Assoc. Prof., Dept. of ME, GITAM University, Vizag	03-01-2011- 04-01-2011
5	CAYm2 2009-10	ISTE	A two day national level workshop on “The Finite Element Method- Recent advances and emerging trends”	1. Dr. P. Bangaru Babu, Professor, Dept. of ME, NIT, Warangal 2. Dr. C. Guru Raja Rao, Assoc. Prof., Dept. of ME, NIT Warangal	12-10-2009- 13-10-2009

MCA Department

S. No	Date	Topic of Guest Lecture	Name of eminent academicians and Scientists/Visitors
1	21/03/13	Biometrics	Mrs. G. Madhavi, Asst. Prof, JNTU College of Engg. , Vizainagaram.
2	28/08/12 & 29/08/12	Personality Development	Swami Sevananda, Sri Ramakrishna Math, Vijayawada.
3	17/09/11	Technologies and Domains	Mr. S. Krishna Rao, CEO, Inforpark software Technologies.
4	12/09/11	Web Deployment	Dr. A. P. Siva Kumar, Dept. of CSE, JNTU- Anantapur.

The complete list of all the activities organized are listed as per **Annexure III-F**

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated –

- a) **Curriculum development/enrichment:** YES the institution has an academic Alliance recognition from MICROSOFT that clearly distinguishes the special technology related tools, resources open to students and faculty members to learn and grow in their fields of interest.
- b) **Internship/On-the-job training:** YES the institution has entered into an agreement with MICROSOFT to help identify relevant internship opportunities to eligible students.
- c) **Summer placement:** YES the institution has entered into agreement with both MICROSOFT & TCS for providing with ample employment opportunities to the eligible students.
- d) **Faculty exchange and professional development:** NO
- e) **Research: Yes. established:** MICROSOFT INNOVATION CENTRE
- f) **Consultancy:** YES, Ref: 3.2.7
- g) **Extension:** The college through its NSS Unit organizes many extension/social service activities in collaboration with a no. of local bodies. **(Ref: Annexure III-J)**
- h) **Publication YES (Ref : Annexure II-F)**
- i) **Student Placement:** YES the institution has entered into agreement with both MICROSOFT & TCS for providing with ample employment opportunities to the eligible students. **(Ref: Annexure III-D)**
- j) **Twinning programmes** NO
- k) **Introduction of new courses** NA
- l) **Student exchange** NO
- m) **Any other**

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.

The need for collaborations with the industries and institutions are planned during the Governing Council and College Development Council and IQAC meetings. The deliberations of the meetings are conveyed to the HoDs and the training and placement cell through the principal and necessary initiatives are taken to implement the same. The departments are also involved in establishing linkages and collaborations with industries and research institutes.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The Governing Body of the college meets regularly to frame and monitor the policy of the institution for creation and enhancement of infrastructure that facilitate effective teaching and learning. The creation and enhancement of infrastructure depend upon the need of the facilities for teaching and learning and availability of the resources.

As per the policy made the institution has already developed good infrastructure like, Classrooms, Tutorial rooms, well equipped laboratories, Auditorium, IT lab, Internet with Wi-Fi connection within the college campus, Library with reading room, Play ground, Girls in campus hostel Canteen, Transport facility etc. The institution has also planned to provide separate modern infrastructure for research activities.

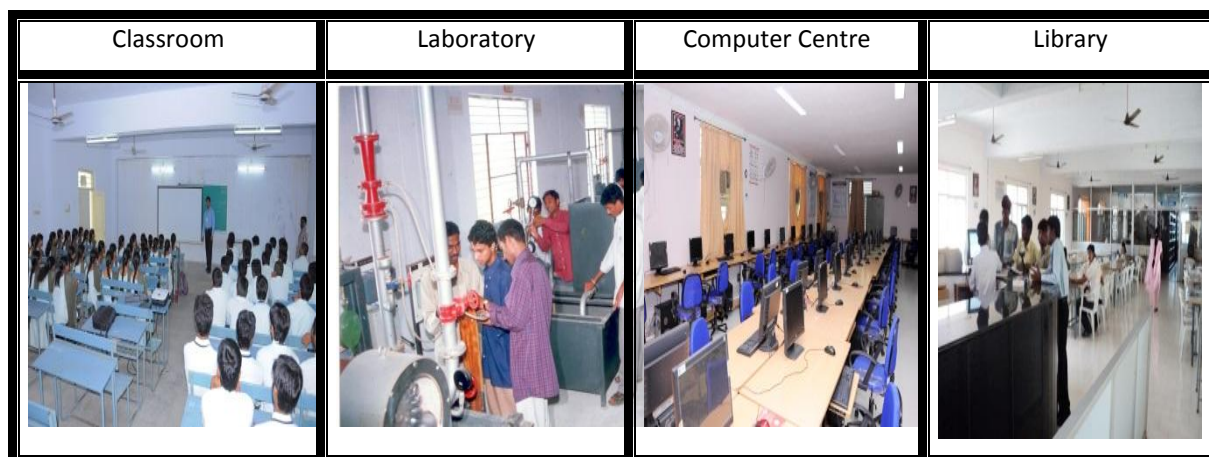
4.1.2 Detail the facilities available for

a) Curricular and co-curricular activities –

The college has the best infrastructure for the students - a friendly environment, well ventilated & furnished classrooms and seminar halls. Teaching aids, laboratories and equipments like LCD projectors, computers, laptops, OHPs, VCDs, DVDs and also audio CDs, digital camera, internet facility with Wi-Fi, reprographic facility, display boards, water coolers etc for proper conduct of curricular and co-curricular activities. **(Ref: Annexure IV- A, B)**

- Each Department is having adequate number of
 - Lecture Halls
 - Tutorial Rooms
 - Seminar Halls
 - Space for Laboratories
 - Workshops as per AICTE/JNTU Norms
- Each Department is having adequate number of Class Rooms with:
 - Sufficient number of student desks.
 - Excellent air circulation and lighting with good ambiance.
 - Provision for usage of OHP PROJECTOR and LCD PROJECTOR
 - Good Acoustic environment, no echo problem
- Adequate number of faculty rooms are available with adequate furniture.
- Each Faculty Room with individual cabins consists of one table, one 'S' type chair and two additional chairs.

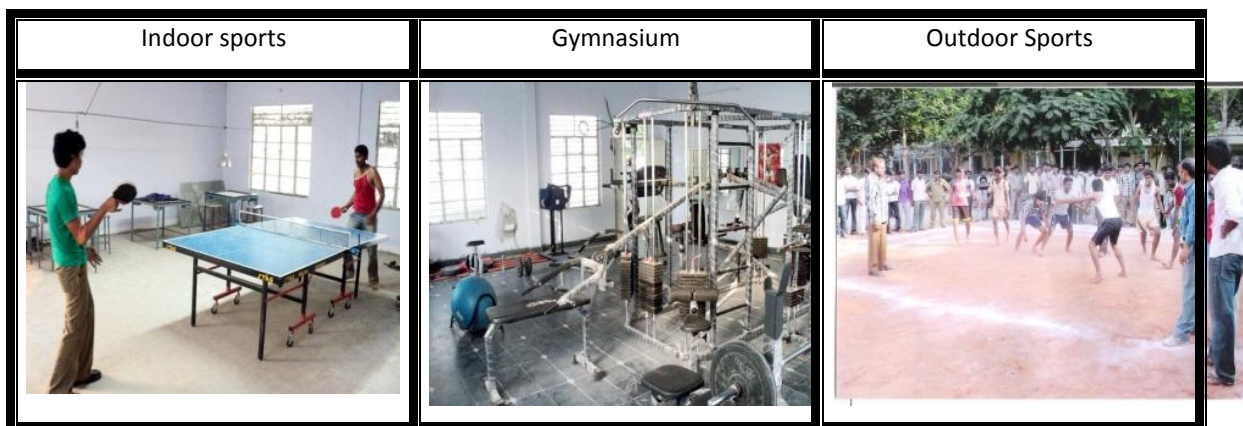
- The departments runs with sufficient number of labs to conduct experiments as per the curriculum prescribed by the affiliating Jawaharlal Nehru Technological University Kakinada, Kakinada
- The departmental computer center and other advanced labs are equipped with advanced computing systems which serves the needs of the department. The department has an exclusive computer centre equipped with server, desktop systems and licensed softwares such as MATLAB, MULTISIM, CCS, Xilinx, Keil Software, C, C++, Micro Soft with Campus Agreement, etc.



- b) Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

The institution makes best use of its physical and material resources. Physical Director has been appointed to coach and organize the sports activities. Facilities are available for the following sports:

- Cricket
- Foot Ball
- Basket Ball
- Volley Ball
- Hand Ball
- Shuttle
- Throw Ball and Tennicoit for girls
- Athletics – running, shot-put, long jump
- Chess
- Carroms
- Table Tennis
- Gym Center



4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/campus and indicate the existing physical infrastructure and the future planned expansions if any).

Our College has been keeping pace with the changing needs and requirements to meet its academic growth. To keep pace with the needs and requirements, additional infrastructure is being added from time to time. In the last four years, many buildings have been constructed/ renovated.

The institution ensures optimal utilization of its infrastructure by listing various activities to be under taken and courses to be offered. The governing body of the institute reviews its reserve fund and plans to accrue more funds required to build new infrastructure usually in a phased manner.

(Ref: Annexure 4-C)

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The institution facilitates ground floor classrooms, wheel chairs for the physically disabled students. Facilities like wheel-chairs are available for easy accessing of classrooms in some of the buildings including toilet conveniences.

4.1.5 Give details on the residential facility and various provisions available within them:

- Hostel Facility– Accommodation available
Separate hostel facility is available for both boys and girls
- Recreational facilities, gymnasium, yoga center, etc.
Gymnasium and yoga centre are available
- Computer facility including access to internet in hostel
Internet facility is available in both the hostels
- Facilities for medical emergencies
Health centre is available within the campus in case of emergency ambulance facility is also available.

- Library facility in the hostels : Available
- Internet and Wi-Fi facility: Available
- Recreational facility-common room with audio-visual equipments Available
- Available residential facility for the staff and occupancy: Nil, However some of the senior Faculty are provided Rent- Free accommodation in town.
- Constant supply of safe drinking water: To meet the water requirements of the college a water storage pond is built exclusively for the college in the college campus. It will be filled twice in a year by drawing the water from Nagarjuna Sagar Canal when the water is given by the Government for irrigation purpose and by the rainy water. Overhead tanks with capacity of 10,000 liters each are constructed on every block for consumption. Mineral Water Plant with a Capacity of 1000 litres per hour has been constructed for assuring a safe drinking water supply.
- Security: Available

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

- Health centre is available within the campus in case of emergency ambulance facility is also available. A Clinic has been established with One Doctor and 2 nursing staff in the college premises.
- First aid kits are arranged in all the laboratories

4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

IQAC :

Internal Quality Assurance Cell is constituted to ensure the quality of Education and the Facilities.

Grievance Redressal Unit: Grievance Redressal Unit is constituted to address any grievances of the students and staff.

Women's Cell: A Women Cell is established with Senior Female Faculty Members to address the problems of woman faculty, staff and students.

Counseling: The students are counseled by their Monitors on their academic and personal problems. The faculty members will also counsel the students in their career development and for academic excellence.

Career Guidance & Placement Unit:

A Career guidance & Training & Placement Cell is very actively functioning in the college. It provides the following services to the students:

- Arrangement for training for development of communication skills, soft skills, interview techniques etc to improve employment opportunities.
- Arrangement of guest lectures by eminent people from industry to guide the students on latest developments in technology and trends of the industries
- Career guidance by eminent people from industry, Academia and Alumni
- Guest lectures on Personality Development
- Placement drives by Corporate, Industry, MNCs and others on campus and off the campus.

Health Centre: A health center is available with a Part time Doctor and full time two nurses. Free consultancy and first aid will be provided. In case of necessity the patient will be referred for specialized treatment. Ambulance facility is also available on call basis from local ambulance services.

Canteen: A Canteen is available in the campus to provide breakfast, lunch, tea/coffee and snacks to dayscholar students and staff at subsidized rates.

Recreational spaces for staff and students: Vast play fields are available for all outdoor and indoor games & sports. TVs are arranged in the Hostels for Recreation and entertainment of inmates.

Safe drinking water facility: Adequate number of Bore wells and storage water tanks are available which meets the water requirements of Drinking as well as gardening and other general requirements of the college. A mineral water plant is also available in the college for safe drinking water.

Auditorium: Available

4.2 Library as a Learning Resource

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

Yes, the Library Committee consists of nominated in-charge with one faculty member from each department and Librarian in attendance. The committee meets at regular intervals and takes decisions in respect of augmentation/up gradation/revisions, based on recommendations from all users. It also envisages enhancements in the library environment and functioning of library.

Initiatives implemented by the Library Committee:

- Extended library hours from 8am-8pm
- Display of new books in library and suggested reading list for students and staff
- Library slot in the time table

4.2.2 Provide details of the following:

- * Total area of the library (in Sq. Mts.): **1200 Sq m.**
- * Total seating capacity: **300**
- * Working hours (on working days, on holidays, before examination days, during examination days, during vacation)
Academic (Working day) 8.00 AM to 8.00 PM Academic (Weekend) 8.00 AM to 4.00 PM Vacation
9.30 AM to 4.00 PM

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

The library is updated constantly with respect to the titles and editions of books, journals and other reading materials. Every year library budget is prepared and submitted to the management for approval. Newly arrived catalogues of all subjects are circulated among the faculty for their recommendation. Based on their recommendation a comprehensive list of books is prepared. Quotation for these selected books is taken from suppliers. After getting the quotations a comparative statement is prepared. On the basis of comparative statement and quotation, the Director gives approval for purchase of books. After getting approval, library places the order to the selected supplier.

The following are the details of the books available added during last 4 years:

Year	Number of New Titles added	Number of New Volumes added
CFYm3 (2009-10)	369	2949
CFYm2 (2010-11)	489	4695
CFY m1 (2011-12)	395	3731
CFY (2012-13)	831	3571

Year	Number of Technical Magazines/Periodicals	Number of total Technical Journals subscribed		Scholarly journal titles (in originals, reprints)
		In Hardcopy	In Softcopy	
CFYm3 (2009-10)	18	157	250+	IEEE, ASME
CFYm2 (2010-11)	28	185	250+	IEEE, ASME
CFY m1 (2011-12)	36	221	250+	IEEE, ASME
CFY (2012-13)	20	140	340+	IEL Online, ASME, DELNET

Year	Expenditures(in Rupees)				Comments
	Books	Magazine/Journals (hard copy subscription)	Magazines/Journals (soft copy subscription)	Misc. Contents	
CFYm2 (2009-10)	5,29,337	1,40,000	--	--	
CFYm1 (2010-11)	9,44,216	1,47,000	--	--	
CFY (2011-12)	3,93,338	94,000	1,05,000	16,000	
CFY (2012-13)	5,72,000	1,32,000	-	20,000	

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- * **OPAC** : LIBSYS-OPAC
- * **Electronic Resource Management package for e-journals** : IEL online-DELNET & ASME
- * **Federated searching tools to search articles in multiple databases**: Digital library
- * **Library Website** : Yes
- * **In-house/remote access to e-publications** : Yes
- * **Library automation**: Yes
- * **Total number of computers for public access**: 30
- * **Total numbers of printers for public access** : 01
- * **Internet band width/speed**: 100 mbps (BSNL)
- * **Institutional Repository** : Yes
- * **Content management system for e-learning** : Yes
- * **Participation in Resource sharing networks/consortia (like Inflibnet)** : Yes, INFLIBNET, DELNET, INDEST-AICTE consortium.

4.2.5 Provide details on the following items:

- * Average number of walk-ins: 300 per day
- * Average number of books issued/returned : 350
- * Ratio of library books to students enrolled : 1:11
- * Average number of books added during last three years : Number of titles **571**, Number of volumes **3738**

Year	Number of New Titles added	Number of New editions added	Number of New Volumes added
CFYm3 (2009-10)	369	150	2949
CFYm2 (2010-11)	489	169	4695
CFY m1 (2011-12)	395	175	3731
CFY (2012-13)	831	100	3571

- * Average number of login to opac (OPAC) : 60
- * Average number of login to e-resources : 80
- * Average number of e-resources downloaded/printed : 50
- * Number of information literacy trainings organized:
- * Details of “weeding out” of books and other materials: 120 p.a

4.2.6 Give details of the specialized services provided by the library

* Manuscripts	:	No
* Reference	:	Yes
* Reprography	:	Yes
* ILL (Inter Library Loan Service)	:	No
* Information deployment and notification (Information Deployment and Notification)	:	Yes
* Download	:	Yes
* Printing	:	Yes
* Reading list/Bibliography compilation	:	Yes
* In-house/remote access to e-resources	:	Yes
* User Orientation and awareness	:	Yes
* Assistance in searching Databases	:	Yes
* INDEST, DELNET & INFLIBNET/IUC facilities	:	Yes

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

Whenever users come with a query about the books the library staff helps them in searching the books. The books are issued to faculty and students for a duration of fifteen days and can be renewed twice (if there is no demand for the book from other users) thereafter. All the books have an accession code and also a smart tag (bar code enabled). The circulation process is completely computerized. The users are given card and they have to provide the card during issue of the books and other materials. The computer generates a report of non-returns and books due from the users. Further the programme accommodates the fine collection from the users in case of delayed returns beyond due date. The faculty can avail 10 books and the students can avail 6 books at a time. Students and faculty can avail back volume of journals. The same regulations are applicable for issue of CD-ROMs from the library. Reference books and student project reports are restricted to be used in the library and they cannot be taken out for any purpose.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

The central library as well as the departmental libraries is situated in the ground floor. The departmental heads and staff extend all the support required to the visually /physically challenged students.

4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)

The library recently started to get feedback from its users. The feedback is collected separately from faculty and students through a structured feedback form. These forms will be analysed based on preset criteria by the internal library committee. The analysis of the feedback will be submitted to the director to take necessary action in the areas of deficiency. Based on the suggestions given by the library committee and users, the librarians chalk out plans to improve the services. The strategies are implemented in the best interest of the students and faculty members.

4.3 IT Infrastructure



4.3.1. Give details on the computing facility available (hardware and software) at the institution.

- **Number of computers with Configuration (provide actual number with exact configuration of each available system)** : 1203 Systems
- **Computer-student ratio** : 1:4 at UG level and 1:2 at PG level as per AICTE norms
- **Stand alone facility** : Yes
- **LAN facility** : Yes
- **Licensed software-** : System Software -08, Application Software -32
- **Number of nodes/computers with Internet facility:** All the systems are Wi-fi enabled.
- **Any other**

The departmental computer centers and other advanced labs are equipped with advanced computing systems which serves the need of the college. Every department is having separate computer labs to serve the needs of each department. For example the ECE department of the college has an exclusive computer centre equipped with server, desktop systems and licensed softwares such as MATLAB, MULTISIM, CCS, Xilinx, Keil Software, C, C++ etc. The details are given below:

- 33 P-IV Computer Systems in ECAD/DSP Lab
- 18 P-IV Computer Systems in Microprocessors and Microcontrollers Lab
- Xilinx 10.1 in ECAD Lab
- EDWIN XP in ECAD Lab

- MultiSim software in ECAD Lab
- MATLAB 7.6 software in DSP Lab

Name of the Lab.	Area	Equipment	No. of students per Experimental set up	Name of the Lab In-Charge	Name of the Lab Technician
ECAD/DSP	72 Sq.m	Hardware: P-IV systems installed with windows XP - 33, FPGA/CPLD Kit- 01, TMS DSP Processor kits-10 Software: MutiSim (Windows XP), VHDL/Verilog (Xilinx), MATLAB 7.6, Code Composer Studio Software	One per System	Mr. J.V.K. Ratnam	Mr. B. KoteswaraRao
MWE &OC and MP &MC	72 Sq.m	Hardware: P-IV systems installed with Windows XP - 18, ESA make 8086 Microprocessor kits - 15, ESA make 8051 Microcontroller kits – 15, Various Interfacing kits - 8. Software: TASM (to run Microprocessor based programs)	One per System	Mr. P. Bhagya Raju	Mr. D. Peeraiah

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

- Internet facility is available in the Internet centre, for the student between 3.15pm to 7.30pm.
- Wi-Fi connectivity for boys and girls hostels.
 - No. of Systems in Girls Hostel : 10 systems
 - No. of Systems in Boys Hostel : 10 systems.

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

The college intends to upgrade the PCs with latest Configuration available in the market. This apart the stress will be laid on the Purchasing of New Hardware. The Department of Computer Science intends to replace the non functional parts with new parts. Non working computer hardware components are used as models to demonstrate in the classes and IT workshop.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Budget Allocated for the year 2009-10: Rs.30,00,000

S.No.	Date	Bill No.	Particulars	Qty	Amount in Rs.
1	25/5/2009	405	HP Desktop SYSTEMS	70	17,22,000
2	8/9/2009	1621	Hardware for LAN/NW of systems		53,100
3	13/5/2009	568	CAT 6 Cables		5,900
4	12/08/2009	9	LCD Projectors & screens		72,500
5	14/9/2009	1675	16 port D-Link Switch		10,700
6	23/9/2009	27	H/W peripherals		22,780
7	15/09/2009	566	H/W peripherals		15,950
8	15/10/2009	656	Catridges		2,270
9	10/9/2009	AT/HO/634	Flash Pro and Photo shop softwares	10 each	2,87,675
10	24/9/2009	28408891589	Micro process controlled UPS	1	2,15,000
11	30/9/2009	KVNMMLO10D12	English Language Communication skills software	1	60,000
12	21/12/2009	KVNMMLO109D14	Advanced English Communication skills software	1	60,000
13	23/8/2009	53	Printers and peripherals		1,79,062
TOTAL					27,06,937

Budget Allocated for the year 2010-11: Rs.35,00,000

S.No.	Date	Bill No.	Particulars	Qty	Amount in Rs.
1	13/4/2010	1045	Computer Peripherals and hardware		1,07,625
2	17/4/2010	43	Key boards and toner drums		7,400
3	27/4/2010	78	Peripherals		1,425
4	29/5/2010	32	Toners		1,500
5	30/6/2010	11	UPS		1,700
6	5/7/2010	24	Peripherals		1,055
7	8/7/2010	1269	N/W switches and peripherals		26,650
8	30/7/2010	379	Computer Peripherals and hardware		30,110
9	4/8/2010	1596	Computer Peripherals and hardware		1,44,053
10	28/10/2010	15	D-Link switch and peripherals		1,525
11	29/10/2010	18	Power cables		1,825
12	26/11/2010	73	24 port D-Link switch and hardware		35,150
13	11/1/2011	346	DVD Writer		1,322
14	13/1/2011	38	RW DVD		220
15	16/7/2010	1368	Computer systems Intel dual core 2.7 GHz, 1 GB RAM, 160 GB SATA HDD, 15.6 " TFT Monitor	128	20,48,000
16	04/08/10	1596	Network Switches	7	70,275
17	20/07/2010	59	20 KVA UPS	2	4,30,000
18	17/4/2010	AT/HO/1200	Acrobat Professional 91E Win AOO and 9.0 Win Esd, Flash Pro, Photoshop	5 Each	2,60,809
19	31/5/2010	AT/HO/0265	Desktop campus Allg License , Project Prowin 32 Allng License, VS Pro Alng License, Office CMMNCT of ALNG License, SQL SVRST DTM and CALL alng etc.	40each	4,25,810
20	26/9/2010	225	Computer peripherals		13,000
TOTAL					36,09,454

Budget Allocated for the year 2011-12: Rs.20,00,000

S.No.	Date	Bill No.	Particulars	Qty	Amount in Rs.
1	18/10/11	225	Computer peripherals	99	1,55,287
2	30/6/2011	28660279694	Computer Hardware	9	15,200
3	1/4/2011	23	Peripherals		3,105
4	11/4/2011	62	Printer toner & catridge		4,785
5	15/5/2011	456	24 port switches and other networking hardware		2,01,000
6	23/5/2011	165	Comp. Hardware		2,56,000
7	29/05/2011	42	Tonner		1,500
8	30/06/2011	261	Comp. Peripherals		3,500
9	30/06/2011	55	UPS	1	1,700
10	02/07/2011	272	24 port switches & other peripherals		9,000
11	05/07/2011	24	Peripherals		1,055
12	07/07/2011	251	Comp. Hardware (Mother Board, HDD,Core 2 Duo Processor, etc)		61,210
13	8/7/2011	1269	Computer Peripherals & laser printers		26,650
14	20/7/2011	GNT/1231	Printers		6,000
15	5/8/2011	24	600 VA UPS		2,700
16	12/9/2011	117	Air conditioners		2,80,000
17	16/9/2011	118	Split AC		27,500
18	16/9/2011	499	V Guard Stabilizers		18,500
19	31/10/2011	878	Scanners DVD Writers		5,000
20	19/11/2011	1120	Computer Hardware & Peripherals		1,07,625
21	2/1/2012	85	Printers, Toners and Rollers		1,40,560
22	11/1/2012	893	Headphones	65	13,000
23	31/1/2012	1209	CAT 6 Cable		12,250
24	5/3/2012	896	G6 server and LED monitor		1,35,000
25	10/3/2012	846	Switches		14,800
26	13/9/2011	AT/HO/947	Renewal of Licenses of softwares		1,65,000
27	5/3/2012	896	HP Proliant 110G6 Server	1	42,857
TOTAL					17,10,784

Budget Allocated for the year 2012-13: Rs.40,00,000

S.No.	Date	Bill No.	Particulars	Qty	Amount in Rs.
1	13/4/2013	572	UPS Battery		2,160
2	9/5/2012	69	Toner powder		2,400
3	7/6/12	119	DVDs & UPS		2,980
4	19/6/2012	276	Cables and Jacks		6,200
5	6/7/2012	366	Key boards and hard disks		25,330
6	6/7/2012	367	LCD Projector s		17,300
7	10/7/2012	2125	SMPS		9,625
8	20/7/12	2341	Anti-virus software and ranks		5,415
9	12/7/2012	186	UPS		1,550
10	18/5/2012	260	DELL LCD Projectors	7	1,64,500
11	31/8/2012	6400496578	Lenova Computers and monitors		37,29,810
TOTAL					39,67,270

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?

The institution facilitates extensive use of ICT resources like computers, internet, LCD projectors, Open Educational Resources (OERs) etc. The computer facility is made available to the faculties as well as students for computer aided teaching and learning process. We have LCD projectors and OHP projectors. Audio-visual CDs are used in the teaching learning process. The internet facility is available to the faculties and students.

Open Educational Resources are also being used extensively as ICT resources in the teaching and learning process of the college in digital formats both online and via offline formats such as PDF, Wikipedia, PPT, DVD or CD-ROM, paper-based text, video, audio or computer based multimedia etc.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

Information and communication technology (ICT) has become a major factor in shaping the new global economy and thereby producing rapid process of changes in the society. Using ICT enabled education as a tool for quality education has been the motive of the institution. ICT enabled education has a positive impact on teachers and learners. ICT gives rise to new digital skills and competence that are needed for employment, education, training and self-development. The classrooms have provision for usage of overhead projector (OHP) and LCD as and when required. The OHP and LCD enables preparation of visual material in advance and to build on this as the lecture proceeds.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

Yes.

The following are the modes of National Knowledge Network connectivity.

- Audio visual section in the library to view GyanDarshan, an educational TV channel of India catalyzed by Ministry of HRD, PrasharBharathi.
- EDUSAT programmes are telecasted.
- Video lectures from NPTEL

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

The institution allocates adequate funds to upgrade the facilities provided to the students and human resources on a yearly basis. The following is the department wise details of the fund allocated for past 4 years:

EEE Department

(Amounts Rs. in lakhs)

Items	Budgeted in CFY (2013-14)	Actual expenses in CFY (till...) (2013-14)	Budgeted in CFYm1 (2012-13)	Actual expenses in CFYm1 (2012-13)	Budgeted in CFYm2 (2011-12)	Actual expenses in CFYm2 (2011-12)	Budgeted in CFYm3 (2010-11)	Actual expenses in CFYm3 (2010-11)
Laboratory Equipments	10.00	4.28	10.00	8.34	5.00	3.06	5.00	4.80
SW purchase	5.00		5.00	4.72	1.00	0.95	2.00	1.95
Laboratory consumables	0.20	0.12	0.20	0.15	0.50	0.48	1.00	0.94
Maintenance and spares	0.50	0.36	0.50	0.27	0.50	0.49	1.00	0.98
Travel	0.25	0.18	0.25	0.14	0.25	0.24	0.25	0.24
Miscellaneous expenses for academic activities	0.50	0.40	0.50	0.26	0.50	0.48	0.50	0.47
Total	16.45	1.06	16.45	13.88	7.75	5.7	9.75	9.38

Civil Engg. Department**(Amounts Rs. in lakhs)**

Items	Budgeted in CFY (2013-14)	Actual expenses in CFY (till...) (2013-14)	Budgeted in CFYm1 (2012-13)	Actual expenses in CFYm1 (2012-13)	Budgeted in CFYm2 (2011-12)	Actual expenses in CFYm2 (2011-12)	Budgeted in CFYm3 (2010-11)	Actual expenses in CFYm3 (2010-11)
Laboratory Equipments	10.00		10.00	11.09	5.00	4.66	5.00	5.88
SW purchase								
Laboratory consumables	0.25	0.12	0.20	0.18	0.25	0.22	0.20	0.19
Maintenance and spares	0.20	0.10	0.20	0.19	0.20	0.21	0.20	0.20
Travel	0.25	0.15	0.25	0.23	0.20	0.19	0.20	0.14
Miscellaneous expenses for academic activities	0.50	0.26	0.50	0.26	0.50	0.48	0.50	0.47
Total	11.2	0.63	11.15	11.95	6.15	5.76	6.1	6.88

ME Department

(Amounts Rs. in lakhs)

Items	Budgeted in CFY (2013-14)	Actual expenses in CFY (till...) (2013-14)	Budgeted in CFYm1 (2012-13)	Actual expenses in CFYm1 (2012-13)	Budgeted in CFYm2 (2011-12)	Actual expenses in CFYm2 (2011-12)	Budgeted in CFYm3 (2010-11)	Actual expenses in CFYm3 (2010-11)
Laboratory Equipments	8.50	5.30	8.00	7.80	2.00	1.50	1.50	1.35
SW purchase					1.00	0.90	0.90	0.70
Laboratory consumables	0.40	0.25	0.25	0.25	0.70	0.70	0.60	0.60
R&D	1.00	0.20	0.80	0.45	1.50	1.75	1.20	1.30
Maintenance and spares	0.50	0.30	0.45	0.45	0.80	0.80	0.70	0.70
Travel	0.20	0.10	0.15	0.15	0.60	0.60	0.50	0.50
Miscellaneous expenses for academic activities	0.40	0.10	0.35	0.35	0.40	0.45	0.40	0.35
Total	11	6.25	10	9.45	7	6.7	5.8	5.5

ECE Department

(Amounts Rs. in lakhs)

Items	Budgeted in CFY (2013-14)	Actual expenses in CFY (till...) (2013-14)	Budgeted in CFYm1 (2012-13)	Actual expenses in CFYm1 (2012-13)	Budgeted in CFYm2 (2011-12)	Actual expenses in CFYm2 (2011-12)	Budgeted in CFYm3 (2010- 11)	Actual expenses in CFYm3 (2010-11)
Laboratory Equipment	6.00	2.92	8.00	9.85	4.00	3.92	3.00	2.85
SW purchase								
Laboratory consumables	1.00	0.62	2.50	0.47	0.75	0.72	0.60	0.55
Maintenance and spares	1.00	0.46	1.00	0.15	0.60	0.59	0.60	0.57
Travel	0.75	0.30	0.60	0.54	0.60	0.57	0.50	0.48
Miscellaneous expenses for academic activities	3.25	1.75	2.75	2.42	2.50	2.38	2.25	2.18
Total	12	6.05	14.85	13.43	8.45	8.18	6.95	6.63

CSE & IT Departments:**(Amounts Rs. in lakhs)**

Items	Budgeted in CFY (2013- 14)	Actual expenses in CFY (till...) (2013- 14)	Budgeted in CFYm1 (2012-13)	Actual expenses in CFYm1 (2012-13)	Budgeted in CFYm2 (2011-12)	Actual expenses in CFYm2 (2011-12)	Budgeted in CFYm3 (2010- 11)	Actual expenses in CFYm3 (2010-11)
Laboratory Equipment	10.00	1.07	13.00	12.84	13.00	12.85	11.5	11.2
SW purchase	25.00	29.78	2.00	1.57	2.00	1.65	4.50	4.25
Laboratory consumables	0.50	0.30	0.50	0.51	0.30	0.28	1.75	1.74
Maintenance and spares	0.20	0.16	0.30	0.31	0.20	0.18	0.80	0.78
Travel	0.10	0.05	0.05	0.05	0.05	0.04	0.05	0.04
Miscellaneous expenses for academic activities	2.50	2.25	0.15	0.14	0.20	0.18	0.20	0.18
Total	38.3	33.61	16	15.42	15.75	15.18	18.8	18.19

MCA Departments:

(Amounts Rs. in lakhs)

Items	Budgeted in CFY (2013-14)	Actual expenses in CFY (till...) (2013-14)	Budgeted in CFYm1 (2012-13)	Actual expenses in CFYm1 (2012-13)	Budgeted in CFYm2 (2011-12)	Actual expenses in CFYm2 (2011-12)	Budgeted in CFYm3 (2010-11)	Actual expenses in CFYm3 (2010-11)
Laboratory Equipment	5.00		2.00	0.00	2.00	0.43	30.00	28.45
SW purchase								
Laboratory consumables	0.25	0.12	0.20	0.18	0.25	0.22	0.20	0.19
Maintenance and spares	0.20	0.10	0.20	0.19	0.20	0.21	0.20	0.20
Travel	0.25	0.15	0.25	0.23	0.20	0.19	0.20	0.14
Miscellaneous expenses for academic activities	0.50	0.26	0.50	0.26	0.50	0.48	0.50	0.47
Total	6.2	0.63	3.15	0.86	3.15	1.53	31.1	29.45

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

For the proper maintenance of the infrastructure and facilities the following committees are formed under the Chairmanship of the Principal with some of the faculty and Nonteaching Staff as Members.

Sl. No	Name of the Committee
1	Buildings & Works Committee
2	Maintenance of Campus Committee

1. Buildings & Works Committee:

The Committee will look into all the civil works of the college & Hostels as well as the maintenance of the existing infrastructure. It collects the information from the different departments relating maintenance of the buildings and other infrastructure and recommend necessary action to the Principal. It also prepares necessary plans for construction of new buildings required in consultation with the site Engineer/Architect and submit the same to the management for necessary approval from the concerned authorities

2. Maintenance of Campus Committee:

The day-to-day cleaning of the Campus and Garden is maintained by the Maintenance Supervisor who reports to the Chairman. Maintenance supervisor is provided with 10 members to clean the rooms, toilets, the entire campus daily and proper maintenance of greenery and gardens. The Maintenance Supervisor prepares a schedule for cleaning which monitored by the faculty of the departments allotted by the HODs.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?

As and when required, the institution takes up calibration and other servicing measures for the equipment/instruments through suppliers and service personnel and in some cases through annual maintenance contracts.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

- All equipments which are sensitive to voltage fluctuations are backed up with UPS and voltage stabilizers.
- The college is provided with 3 Phase HT line power connection with 250 kva transformer
- The institution followed concealed wiring to avoid any leakage of power in all rooms and underground (UG) cable is being used for power supply from transformer to different blocks
- MCBs are provided in each and every room to avoid any short circuit of the power
- Safety measures are taken by electricians as per norms of Government while dealing with electrical power supply transformers such as testing of transformer oil, earth resistance, earth pits, interconnectivity of earth pits, replacing of rusted bolts and nuts, danger boards
- Faculty & Staff are given awareness on safety hazards by Professionals.
- Adequate no. of fire buckets with clean and dry sand and fire extinguishers with carbon di-oxide or dry chemical powder are provided at electrical power stations.
- Double earthing is provided at each and every block for all laboratories and other rooms.
- Fire Extinguishers are arranged in all laboratories. These are replaced/refilled on expiry
- First Aid Boxes arranged in laboratories
- As the institute is not offering Chemical Engineering course there is no usage of heavy hazardous chemicals in the institution
- No High Voltage Lab is being offered
- However in the Engineering Chemistry Lab where the Practical classes will be held for Engineering students at first year level the following safety measures are followed:

The low level hazardous chemicals used for preparing diluted solutions and handled only by the faculty/lab technicians.

- a) Sulfuric Acid
- b) Phosphoric Acid
- c) Cobalt salts
- d) Cyanides
- e) Ammonium Thio Cyanate
- f) Aniline
- g) Chloroform

The safety measures taken

- a) Wear Lab coat/apron and shoes in the lab
- b) Avoid using of cracked or chipped glass ware
- c) Use only fume hood when handling toxic solutions
- d) Keep first aid box within reach

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

YES. Every year prospectus and Calendar/Handbook are prepared well in advance and issued with latest information and academic schedule respectively.

- **Prospectus:** Vision, Mission and goals of the institution, profile of management members and eminent faculty, courses offered activities and achievements of various departments including placement and training, entrepreneurship development and innovative project cell activities are given.
- **Calendar:** The calendar carries information about history of the college, Awards given, rules and regulations to be followed, Working day/holidays, dates for tests, odd/even semester academic schedule, Parent-Teachers Meeting, class committee meeting, semester exams, format for leave letter, On-duty permission, entry of plus two, tests and university marks and famous quotes etc.

5.1.2 Specify the type, number and amount of institutional scholarships/freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Our Institution provides scholarships/freeships to the poor and meritorious since its inception and the details of last 4 years as given below:

Batch	Type	Amount in Rs.
2010 Batch	Fee concession/Incentives	3,90,750
2011 Batch		3,51,500
2012 Batch		1,74,600
2013 Batch		1,74,500

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

Yes, number of students availing the scholarships is as follows:

S.No.	Year	Category						Total
		Central Govt.		Sate Govt.				
		SC	ST	BC	EBC	Muslim	PHC	
1	2012-13	309	71	760	1076	196	2	2414
2	2011-12	348	70	806	853	184	2	2263
3	2010-11	293	57	664	706	124	5	1849
4	2009-10	301	61	603	683	149	6	1803

5.1.4 What are the specific support services/facilities available for

a) Students from SC/ST, OBC and economically weaker sections

- Assistance to obtain scholarship sanctioned by state and central governments.
- Information on various scholarships and funding agencies.
- Free/Fellowship given for deserving cases.
- Books, special coaching and training given.
- Hostel accommodation and boarding provided at a concessional fee/rate.
- Waiver of tuition fees.

b) Students with physical disabilities

- Arranging Class Rooms in the Ground Floors.
- Providing Wheel-Chairs.
- Inhaler for asthma patients.
- Medical and emergency transport facility.
- Information on various scholarships and funding agencies.
- Understanding and helpful faculty.
- One to one help in library and canteen
- Transport facility to nearby hospitals in case of emergency.

c) Overseas students : N.A

d) Students to participate in various competitions/National and International

- Travel grant and registration fee provided to attend conferences, seminars, sports and games.
- Permission to participate in events with attendance.
- Special permission to attend NSS, YRC camps.
- Prize Winning students motivated further by providing equal/proportional contribution of prize money by the Institution.

e) Medical assistance to students: health centre, health insurance etc

- Medical Centre with basic necessary facilities
- Part time doctor and medical assistant.
- Transport facility for emergency cases.
- Availability of medicines, intravenous fluids and first aid facility.
- Separate ward for boys and girls.

f) Organizing coaching classes for competitive exams

- Coaching/Mock test classes for GRE/GATE/TOFEL examinations.
- Special career guidance and Skill Development Programs by Training & Placement Cell

g) **Skill development (spoken English, computer literacy, etc.,)**

- Spoken English tutorial classes.
- Fundamental Computer literacy classes.
- Business management and communication skills programmes conducted.
- Training in computer programming.

h) **Support for “slow learners”**

- Special Coaching Classes, additional lab training and Retest.
- Easy to understand learning materials.
- Counseling and motivation by mentors.

i) **Exposures of students to other institution of higher learning/corporate/business house etc.**

- Software Training for e-Learning
- Participation of students in paper/ poster presentation in conferences and seminars
- In-plant training, Industrial visits and projects in other institutions.
- Participation in extracurricular activities like debates, Quiz and hands on training like workshops organized by other institutions.
- Circulation of Magazines.
- Student participation in culturals, TV and radio shows.
- Final semester projects in reputed research institutes and industries.
- Webinar lecture series

j) **Publication of student magazines : Ref: Annexure III- G**

- Students are motivated to publish their articles in Symposia/National and International Conferences.
- Students contribute to department News letters, College magazine.
- Journal publications.
- Publication of articles in leading newspapers/magazines.
- Entrepreneurship development cell
- Newsletters.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- Entrepreneurship development cell encourages the students to be self employed as a result of which students have organized many workshops and seminars to encourage entrepreneurship. **(Ref: Annexure III-H)**

Its activities are as follows:

- Conducting Entrepreneurship Development Programmes every year
- Identifying the Government Enterprises that promote self-employment and building a relationship between the organization and the budding entrepreneurs of the college.
- The placement cell also encourages the students to be self employed.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

* Additional academic support, flexibility in examinations

* Special dietary requirements, sports uniform and materials

* Any other

The institution is committed to attract students for participating in various co-curricular and extracurricular activities by ensuring consistent encouragement and motivation. The necessary facilities are provided and adequate funds are allotted. The sports and cultural committees supervise the extracurricular activities.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE/CAT/GRE/TOFEL/GMAT/ Central /State services, Defense, Civil Services, etc.

The Institute has a separate support system for the students appearing and qualifying in various competitive examinations. Students who are interested and willing to appear in various competitive examinations are helped by the teachers in matters of study materials and counselling for the right strategies. Students are allowed to have access to library and to refer the books related to entrance tests. Students can appear for online examinations using internet facilities at our institution. **Ref: Annexure III-D.**

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

The College has a career counselling and guidance cell. The teacher in charge is available round the clock to the students. The counselling cell makes adequate arrangement for the guidance of the students during the time of the admissions. The students seeking admission are counselled in the choice making matters during the admission. The choice of the career and the doubts of the students are listened to very carefully and the solutions of the problems are provided.

The college also organizes counseling by a Psychologist and a Psychiatrist on personal problems of the staff and students.

- 5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).**

YES. Placement and career counselling centre renders efficacious service to the students. The placement cell extends its service to the students in career guidance, organizes lectures concerning career planning and invites companies for campus recruitment.

The institution has also entered into agreement with both MICROSOFT & TCS to provide the eligible candidates with career opportunities on completions of their degrees.

- 5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.**

YES. Grievance Redressal Cell actively interacts with the students to help them sort out their grievances. It attends to both registered and unregistered grievances of the students. No grievances were reported to this Cell during last four years.

- 5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?**

Women Empowerment Cell

Women Empowerment Cell was constituted to take all necessary measures to ensure the safety and the dignity of the female students. The cell comprises of Lady Tutor, counsellors and members specialized in the area of gender issues. Institution takes necessary steps if the incidents pertaining to sexual harassment require the intervention of the law.

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 on these?

YES. The institute has set up a Discipline committee, the anti-ragging committee in this direction. It implements the anti-ragging policy of the institute. Students and parents give affidavits at the time of joining about awareness and anti-ragging measures and an undertaking not to indulge in them.

5.1.12 Enumerate the welfare schemes made available to students by the institution.

- Scholarships for the Poor and meritorious students
- Subsidized hostel and canteen facilities.
- Emergency medical facilities, transportation facilities etc.

5.1.13 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

Yes the Alumni Association is registered with the registrar of societies. Placement and training cell in coordination with the departments organizes alumni meet every year to review the activities of the current year and plan the activities for the forthcoming year.

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

The Students appearing for competitive exams like GRE, TOEFL, SLET and GATE are on the increase resulting in an increase in the number opting for higher studies. Because of systematic and stringent employability training programmes a drastic increase is seen in the placement of students in companies.

(Ref: Annexure III-D)

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

ME Department

Items	2009 Batch	2008 Batch	2007 Batch	2006 Batch
No. of Students admitted in the corresponding First Year +Lateadmitted in the 2 nd year	57	71	72	61
No. of Students who have graduated in 4 years	48	41	52	50
Pass %	85%	58%	72%	82%

ECE Department

Item	2009 Batch	2008 Batch	2007 Batch	2006 Batch
Number of students admitted	121	142	144	99
Number of students who have graduated in 4 years	96	101	107	82
Pass %	79%	71%	74%	82%

EEE Department

Item	2009 Batch	2008 Batch	2007 Batch	2006 Batch
Number of students admitted	102	69	66	66
Number of students who have graduated in 4 years	98	47	60	34
Pass %	96%	68%	90%	51%

IT Department

Item	2009 Batch	2008 Batch	2007 Batch	2006 Batch
Number of students admitted in the corresponding First Year + laterally admitted in 2 nd year	66	77	101	98
Number of students who have graduated in 4 years	41	58	89	84
Pass %	62%	75%	88%	85%

CSE Department

Item	2009 Batch	2008 Batch	2007 Batch
Number of students admitted in the corresponding First Year + laterally admitted in 2 nd year	131	127	122
Number of students who have graduated in 4 years	95	118	113
Pass%	73%	94%	93%

CIVIL Department

Items	2009 Batch	2008 Batch	2007 Batch	2006 Batch
No. of Students admitted in the corresponding First Year +Lateadmitted in the 2 nd year	53	The course was started in the year of 2009-10 Academic.		
No. of Students who have graduated in 4 years	46			
Pass %	86.8%			

MCA Department

Items	2010 Batch	2009 Batch	2008 Batch	2007 Batch
No. of Students admitted in the corresponding First Year	60	47	60	60
No. of Students who have post graduated in 4 years	57	45	59	58
Pass %	95%	96%	98%	98%

MBA Department

Items	2011 Batch	2010 Batch	2009 Batch	2008 Batch
No. of Students admitted in the corresponding First Year	98	108	112	59
No. of Students who have post graduated in 4 years	97	104	107	57
Pass %	98.98	96.30	95.54	96.61

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The institution facilitates student progression to higher level of education or towards employment through the proper placements in all the fields so that the students get the job as well as the chance of higher education. The institute from time to time makes arrangement for various guest lectures. Eminent personalities from diverse fields of industry and science are invited to interact with the students. This has facilitated the students in earning better job opportunities. Even the personality of the student enhances and also provides the secure future. Personality development programmes are also available for the student progression to higher level of education or employment.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

- Special Coaching Classes, additional lab training and Retest.
- Easy to understand learning materials.
- Counseling and motivation by mentors.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

The institute has always created a niche for itself in the field of sports and has been participating in various inter university and university level tournaments. In sports, our institute provides indoor and outdoor games to student. A vast play ground is available for outdoor games i.e. cricket, athletics, Volley ball, Basket ball etc. in the institute campus. (Ref: Annexure III– K)

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University/State/Zonal/National/International, etc. for the previous four years.

The students have participated in many curricular and extra curricular activities and have brought laurels to the college. The list being exhaustive has been listed in the annexure.

(Ref: Annexure III-K)

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

Alumni meets are conducted in order to get their suggestions of the old students of the college. Continuous interaction maintained with employers in order to implement their suggestions in the institution in development of the students. Feedback is obtained from alumni and employees to improve the quality of education and teaching and to improve the performance of graduates in their career.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine and other material? List the publications/materials brought out by the students during the previous four academic sessions.

College also motivates students for presentation of papers and posters in conferences by providing permission with attendance and by giving cash incentives for the prize winners. Student representatives are included as the members of editorial board of college magazines, proceedings of the symposia and seminars etc. Students are involved in organizing all co-curricular and extra curricular activities organized by the college. For example, the wall posters, information brochures etc. for NEC-N-PAC a national level student symposium for paper presentation are designed by the students with the help of faculty. The proceedings are also prepared by the students themselves with the help of the faculty. Wall magazines received and organized by the college of different symposia/seminars/workshops are displayed in the department notice boards, facebook, class rooms and laboratories.

ME Department

Publication of technical magazines, newsletters

Year	Name of the Editor	Name of the Magazine/News letter	Name of the Publisher
CAY 2012-13	Principal	NEC WAVES College Newsletter	Narasaraopeta Engineering College
	HOD	MECHMANTRA Technical Magazine	Dept. of Mechanical Engg. Narasaraopeta Engineering College
CAYm1 2011-12	Principal	NEC WAVES College Newsletter	Narasaraopeta Engineering College
	HOD	MECHMANTRA Technical Magazine	Dept. of Mechanical Engg. Narasaraopeta Engineering College
CAYm2 2010-11	Principal	NEC WAVES College Newsletter	Narasaraopeta Engineering College
	HOD	MECHMANTRA Technical Magazine	Dept. of Mechanical Engg. Narasaraopeta Engineering College
CAYm3 2009-10	Principal	NEC WAVES College Newsletter	Narasaraopeta Engineering College
	HOD	MECHMANTRA Technical Magazine	Dept. of Mechanical Engg. Narasaraopeta Engineering College

ECE Department

Year	Name of the Editor	Name of the Magazine/News letter	Name of the Publisher
CAY 2013-14	Principal	NEC WAVES College Newsletter	Narasaraopeta Engineering College
	HOD	ELECOM-2KXIII Technical Magazine	Department of ECE, Narasaraopeta Engineering College
CAYm1 2012-13	Principal	NEC WAVES College Newsletter	Narasaraopeta Engineering College
	HOD	ELECOM-2KXII Technical Magazine	Department of ECE, Narasaraopeta Engineering College
	Principal	NEC-N-PAC – 2013 Proceedings	Narasaraopeta Engineering College
CAYm2 2011-12	Principal	NEC WAVES College News letter	Narasaraopeta Engineering College
	HOD	ELECOM-2KXI Technical Magazine	Department of ECE, Narasaraopeta Engineering College
	Principal	PRAGNA	Narasaraopeta Engineering College
	Principal	NEC-N-PAC – 2012 Proceedings	Narasaraopeta Engineering College
CAYm3 2010-11	Principal	NEC WAVES College Newsletter	Narasaraopeta Engineering College
	HOD	ELECOM-2KX Technical Magazine	Department of ECE, Narasaraopeta Engineering College
	Principal	PRAGNA	Narasaraopeta Engineering College
	Principal	NEC-N-PAC – 2011 Proceedings	Narasaraopeta Engineering College

EEE Department

S.No	Name of the Magazines/News Letters	Vol. No. & Issue No.	Month & Year	Editor/Publishers
1	PRAGNA	Vol.11	June 2009	<u>Editorial Board</u> 1. Dr.B.V.Rama Mohana Rao 2. Dr.Sidhartha Panda 3. Prof K.Varaprasada Rao 4. Dr.K.S.Srinivasan 5. Dr.M.Venkata Siva Prasad 6. Dr.D.Ravi Kiran
2	Power Waves	Edition.1	June 2009	<u>Editorial Board</u> 1. Dr. Sidhartha Panda 2.Dr.K.S.Gowri Shankar 3.Prof. R.V.D.Rama Rao
3	Power Waves	Edition.2	December 2009	<u>Editorial Board</u> 1. Dr. Sidhartha Panda 2. Dr.K.S.Gowri Shankar 3. Prof. R.V.D.Rama Rao
4	Proceddings of NAC-N-PAC	Vol-1	Feb 2009	<u>Editorial Board</u> 1. Dr. Sidhartha Panda 2. Dr.K.S.Gowri Shankar 3. Prof. R.V.D.Rama Rao
5	PRAGNA	Vol.12	June 2010	<u>Editorial Board</u> 1. Dr.B.V.Rama Mohana Rao 2. Dr.Sidhartha Panda 3. Prof K.Varaprasada Rao 4. Dr.K.S.Srinivasan 5. Dr.M.Venkata Siva Prasad 6. Dr.D.Ravi Kiran
6	Power Waves	Edition.3	June 2010	<u>Editorial Board</u> 1. Dr. Sidhartha Panda 2.Dr.K.S.Gowri Shankar 3. Prof. R.V.D.Rama Rao
7	Power Waves	Edition.4	December 2010	<u>Editorial Board</u> 1. Dr. Sidhartha Panda 2. Dr.K.S.Gowri Shankar 3. Prof. R.V.D.Rama Rao
8	Proceedings of NAC-N-PAC	Vol-1	Feb 2010	<u>Editorial Board</u> 1. Dr. Sidhartha Panda 2. Dr.K.S.Gowri Shankar 3. Prof. R.V.D.Rama Rao

9	PRAGNA	Vol.13	June 2011	<u>Editorial Board</u> 1. Dr.B.V.Rama Mohana Rao 2. Dr.Sidhartha Panda 3. Dr. K.RamaKotaiah 4. Dr.K.S.Srinivasan 5. Dr.Shaheda Akthar 6. Dr.D.Ravi Kiran
10	Power Waves	Edition.5	June 2011	<u>Editorial Board</u> 1. Dr. Sidhartha Panda 2. Dr.K.S.Gowri Shankar 3. Prof. P.Suresh Babu
11	Power Waves	Edition.6	December 2011	<u>Editorial Board</u> 1. Dr. P.Suresh Babu 2. Dr. Sidhartha Panda 3. Dr.K.S.Gowri Shankar
12	Proceedings of NAC-N-PAC	Vol-1	Feb 2011	<u>Editorial Board</u> 1.Dr. Sidhartha Panda 2.Dr.K.S.Gowri Shankar 3.Prof. R.V.D.Rama Rao
13	Power Waves	Edition.7	June 2012	<u>Editorial Board</u> 1.Dr. R.V.D.Rama Rao 2.PDVSK Kishore 3.Sk.P.Karimulla
14	Proceedings of NAC-N-PAC	Vol-1	Feb 2012	<u>Editorial Board</u> 1. Dr. Sidhartha Panda 2. Dr.K.S.Gowri Shankar 3. Prof. R.V.D.Rama Rao

IT Department

S.No	Name of the Magazines/News Letters	Vol.No & Issue No.	Month & Year	Editor/Publishers
1	NEC Waves	Vol.11	June 2009	<u>Editorial Board</u> 1. Dr.B.V.Rama Mohana Rao 2. Dr.Sidhartha Panda 3. Prof K.Varaprasada Rao 4. Dr.K.S.Srinivasan 5. Dr.M.Venkata Siva Prasad 6. Dr.D.Ravi Kiran
2	IT Sameeksha	Edition.1	June 2009	<u>Editorial Board</u> 1. Mrs.G.L.N.Jayaprada 2. Mr.S.Gopi Krishna 3. Mr.V.Mahesh Babu
3	IT Sameeksha	Edition.2	December 2009	<u>Editorial Board</u> 1. Mrs.G.L.N.Jayaprada 2. Mr.S.Gopi Krishna 3. Mr.V.Mahesh Babu

4	Proceedings of NEC-N-PAC 2009	Edition .8	Feb.2009	<u>Editorial Board</u> 1. Dr. Ravi Kiran 2. Prof.S.Gopi Krishna 3. Prof. V.Mahesh Babu
5	NEC Waves	Vol.12	June 2010	<u>Editorial Board</u> 1. Dr.B.V.Rama Mohana Rao 2. Dr.Sidhartha Panda 3. Prof K.Varaprasada Rao 4. Dr.K.S.Srinivasan 5. Dr.M.Venkata Siva Prasad 6. Dr.D.Ravi Kiran
6	IT Sameeksha	Edition.3	June 2010	<u>Editorial Board</u> 1. Mrs.G.L.N.Jayaprada 2. Mr.S.Gopi Krishna 3. Mr.V.Mahesh Babu
7	IT Sameeksha	Edition.4	December 2010	<u>Editorial Board</u> 1. Mrs.G.L.N.Jayaprada 2. Mr.S.Gopi Krishna 3. Mr.V.Mahesh Babu
8	NEC Waves	Vol.13	June 2011	<u>Editorial Board</u> 1. .B.V.Rama Mohana Rao 2. Dr.Sidhartha Panda 3. Dr. K.RamaKotaiah 4. Dr.K.S.Srinivasan 5.Dr.Shaheda Akthar 6. Dr.D.Ravi Kiran
9	Proceedings of NEC-N-PAC 2010	Edition.9	Feb.2010	<u>Editorial Board</u> 1. Dr.D.Ravi Kiran 2. Mr.S.Gopi Krishna 3. Mr.V.Mahesh Babu
10	IT Sameeksha	Edition.5	June 2011	<u>Editorial Board</u> 1. Mrs.G.L.N.Jayaprada 2. Mr.S.Gopi Krishna 3. Mr.V.Mahesh Babu
11	IT Sameeksha	Edition.6	December 2011	<u>Editorial Board</u> 1. Mrs.G.L.N.Jayaprada 2. Mr.S.Gopi Krishna 3. Mr.V.Mahesh Babu
12	Proceedings of NEC-N-PAC 2011	Edition.10	Feb.2011	<u>Editorial Board</u> 1. Dr.D.Ravi Kiran 2. Mr.S.Gopi Krishna 3. Mr.V.Mahesh Babu
13	NEC Waves	Volume-14	June-2012	<u>Editorial Board</u> 1. Dr.B.V.Rama Mohana Rao 2. Dr.R.V.D.Rama Rao 3. Dr.Venkata Rao 4. Dr.Suneel 5.Dr.S.N.Tirumala Rao

14	IT Sameeksha	Edition- 7	June – 2012	<u>Editorial Board</u> 1. Mrs.G.L.N.Jayaprada 2. Mr.S.Gopi Krishna 3. Mr.V.Mahesh Babu
15	IT Sameeksha	Edition -8	December - 2012	<u>Editorial Board</u> 1. Mrs.G.L.N.Jayaprada 2. Mr.S.Gopi Krishna 3. Mr.V.Mahesh Babu
16	Proceedings of NEC-N-PAC 2012	Edition.11	Feb.2012	<u>Editorial Board</u> 1. Dr.D.Ravi Kiran 2. Mr.V.Mahesh Babu 3. Mrs.G.L.N.Jayaprada
17	NEC Waves	Volume-15	June-2013	<u>Editorial Board</u> 1. Dr.B.V.Rama Mohana Rao 2. Dr.R.V.D.Rama Rao 3. Dr.Venkata Rao 4. Dr.Suneel 5. Dr.S.N.Tirumala Rao
18	IT Sameeksha	Edition- 9	June– 2013	<u>Editorial Board</u> 1. Mrs.G.L.N.Jayaprada 2. Mr.S.Gopi Krishna 3. Mr.V.Mahesh Babu
19	Proceedings of NEC-N-PAC 2013	Edition.12	Feb.2013	<u>Editorial Board</u> 1. Mrs.G.L.N.Jayaprada 2. Mr.S.Gopi Krishna 3. Mr.V.Mahesh Babu

CSE Department

S.No	Name of the Magazines/News Letters	Vol.No. & Issue No.	Month & Year	Editor/Publishers
1	PRAGNA	Vol.11	April 2009	<u>Editorial Board</u> 1. Dr.B.V.Rama Mohana Rao 2. Dr.Sidhartha Panda 3. Prof K.Varaprasada 4. Dr.K.S.Srinivasan
2	Sameeksha	Edition.1	June 2009	<u>Editorial Board</u> 1. Dr. Ravi Kiran 2. Dr.M.Venkata Siva Prasad 3. Prof. V.Mahesh Babu
3	NEC WAVES	Edition.1	December 2009	<u>Editorial Board</u> 1. Dr. Ravi Kiran 2. Dr.M.Venkata Siva Prasad 3. Prof. V.Mahesh Babu
4	Proceedings of NEC-N-PAC 2009	Edition .8	Feb.2009	<u>Editorial Board</u> 1. Dr. Ravi Kiran 2. Dr.M.Venkata Siva Prasad 3. Prof. V.Mahesh Babu

5	PRAGNA	Vol.12	April 2010	<u>Editorial Board</u> 1. Dr.B.V.Rama Mohana Rao 2. Dr.Sidhartha Panda 3. Prof K.Varaprasada Rao
6	Sameeksha	Edition.2	June 2010	<u>Editorial Board</u> 1. Dr. Ravi Kiran 2. Dr.M.Venkata Siva Prasad 3. Prof. V.Mahesh Babu
7	NEC WAVES	Edition.2	December 2010	<u>Editorial Board</u> 1. Dr. Ravi Kiran 2. Dr.M.Venkata Siva Prasad 3. Prof. V.Mahesh Babu
8	Proceedings of NEC-N-PAC 2010	Edition.9	Feb.2010	<u>Editorial Board</u> 1. Dr. Ravi Kiran 2. Dr.M.Venkata Siva Prasad 3. S.Gopi Krishna
9	PRAGNA	Vol.13	April 2011	<u>Editorial Board</u> 1. Dr.B.V.Rama Mohana Rao 2. Dr.Sidhartha Panda 3. Dr. K.RamaKotaiah 4. Dr.K.S.Srinivasan 5. Dr.Shaheda Akthar 6. Dr.D.Ravi Kiran
10	Sameeksha	Edition.3	June 2011	<u>Editorial Board</u> 1. Dr.D.Ravi Kiran 2. Dr.M.Venkata Siva Prasad 3. Prof.V.Mahesh Babu
11	NEC WAVES	Edition.3	December 2011	<u>Editorial Board</u> 1. Dr. Ravi Kiran 2. Dr.M.Venkata Siva Prasad 3. Prof. V.Mahesh Babu
12	Proceedings of NEC-N-PAC 2011	Edition.10	Feb.2011	<u>Editorial Board</u> 1. Dr. Ravi Kiran 2. Dr.M.Venkata Siva Prasad 3. Prof. V.Mahesh Babu
13	Proceedings of NEC-N-PAC 2012	Edition.11	Feb.2012	<u>Editorial Board</u> 1. Dr. Ravi Kiran 2. Dr.M.Venkata Siva Prasad 3. Prof. V.Mahesh Babu

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding : No

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

The institute believes in giving the equal opportunity to the students in supporting the authorities and the college faculty in running the affairs of the college. For this the college endeavors to provide them with opportunities to participate in the various academic and administrative bodies.

Editorial Board

Extra-Curricular Committees

Library Advisory Committee

Study Tour Committee

The other committees like Anti-Ragging Committee, IEEE Student Committee, Class Representative Committee, sports committee, canteen committee, transport committee are in position where in students have their voice expressed and also experience management.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

The college alumni committee keeps on meeting twice or thrice a year. The committee is always in touch with the members of the alumni club. The committee is also concerned about the teachers and staff of the non teaching who have retired. The retired faculty is also invited in the meetings. This adds to the experience of the committee. Their advice is followed very promptly.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision:

To groom Narasaraopeta Engineering College, the first Engineering college in Palnadu region of Andhra Pradesh, as a Technological Hub and Gateway of knowledge with Indian values and Universal standards.

Mission:

- To employ faculty and staff with performance of Excellence and Dedication.
- To develop advanced state-of-the-art Technological Laboratories with latest equipment and infrastructure.
- To establish huge and world class Library with International and National Journals and Books.
- To have Advanced R&D through interaction with highly reputed industries and academically premier institutes.
- To start more post graduate programs in thrust areas and finally go to the Deemed to be University status.

In pursuit of excellence in technical education the Management continued its efforts to provide quality education by creating required infrastructure facilities. After being accredited by NBA the college enhanced its efforts to improve research and consultancy areas, to establish industry-institute interaction.

The Management is committed to impart Quality Education by providing all the required physical resources, financial resources, human resources apart from a congenial campus environment. The Management is continuously adding buildings, equipment, furniture and other amenities. Faculty members are recruited through University Selection Committee and adhering to AICTE norms regarding qualifications.

The faculty members are encouraged to improve their qualifications for pursuing research programs under QIP. The faculty members are deputed to attend conferences, workshops, short-term courses and other QIP programs through financial assistance. Budgetary provision is made towards TA, DA and registration charges of the faculty. The faculty members are encouraged to publish papers in journals and present papers in the international/national conferences. Incentives are given for publishing/presenting papers.

Faculty and Staff members are given periodic In-house training to enhance their skills apart from training by external agencies. Incentives are given for long service. Students are provided many opportunities to strengthen their academic base, participate in curricular, co-extracurricular activities, to develop communication & leadership qualities and participate in paper contests, seminars and technical tours.

The campus is characterized by cultural, racial and gender diversity in the faculty, staff and students. The practices and programs of the College embody the ideals of an open and democratic society. The Management facilitates interaction with practicing professional community to expose the students to professional practice, to create awareness on job potential and technical knowledge exchange between faculty and practicing community.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The management is dedicated to establish, nurture and develop world class institution of higher education. The management aims at developing centres of excellence, help industries and young researchers through innovative product design and development. The management proposes to involve in community service such as awareness programmes in health, education, safety, environmental, management etc., towards enabling the rural community to enjoy the benefits of development. The governing council and college development council consists of eminent academicians, industrialists and administrators.

As per the instructions of AICTE/JNTUK and for administrative Convenience a number of committees have been constituted to look into various aspects of the college administration, development and student & staff affairs. The list of such committees is mentioned here under:

- Governing Body
- College Academic Council
- Anti Raging Committee
- Disciplinary Committee
- Purchase Committee
- Central Purchase Committee
- Malpractice Prevention Committee
- Grievance Cell for women

➤ Functions of Governing Body:

- To make policy decisions
- To approve the Budget
- To approve the appointments made
- To approve the audited account statements
- To approve the purchases of equipment and other infrastructure facilities.

- To approve the proposals of Institution for introduction of new courses/variation/ increase in intake of existing programmes
 - To approve the seminars/workshops/conferences etc.
 - To review the placements and Trainings.
- **College Academic Council:** Consisting of all the Heads of the Departments, Officer-in-Charge of Academic Section as members and the Principal as the Chairman.
- Functions of CAC:**
- To Review of completion of syllabus in all subjects as per lesson plans submitted by the faculty.
 - To review the seminars/conferences attended by the faculty and students.
 - Review of attendance of the students and to finalize the list of detained candidates before the commencement of University End Examinations in each semester/year conduct Unit examinations and University End Examinations
- **Functions of ARC :**
- To advise/council the senior students in the class rooms and hostels not to involve in ragging
 - To prevent ragging at different places like bus stops, corridors, canteen, laboratories, hostels etc.
 - To report/recommend actions on the students involved in ragging.
- **Disciplinary Committee:**
- Adhoc Committees will be formed with Senior Faculty member as the Chairman and two faculty members as members to enquire into the complaints received. After due enquiry the committee will submit its report and recommends suitable action to be taken by the Principal.
- **Purchase Committees:**
- Department Level: Every department will have a purchase committee for procurement of required equipment for the Department. The committee list out the required equipments as per the changes in curriculum time to time and forward the requests to the Principal duly signed by the HOD
 - Central Purchase Committee: After receiving the requests from the Departments the Central Committee will call for quotations/release tender notifications calling for quotations. After receiving quotations the same will be forwarded to the concerned Departments for preparing comparative statements and for final recommendations. On receiving the same the Orders will be placed on the recommended bidder for supply of goods
- **Malpractice Prevention Committee**
- Constitution:
- Principal – Chairman
- HOD of concerned Department to which the malpractice case is identified will be a member
- HOD of concerned Department to which the subject belongs to will be a member
- Faculty Incharge of Examination – Convener

Functions:

- To enquire into complaints and recommend to University to award punishment as per University norms.

➤ **Grievance Cell for women:**

Constitution:

Principal – Chairman

Senior Female Faculty – Co-ordinator (nominated by Principal)

Senior Female Faculty members one from each Department – Members (nominated by the Principal as suggested by the concerned HOD)

Functions:

- To enquire the Complaints received from the female students or staff of the College.
- Special Attention will be given to ragging/exploitation related issues.
- To recommend to the Principal of the College the penalty/Punishment to be imposed.

6.1.3 What is the involvement of the leadership in ensuring :

- the policy statements and action plans for fulfillment of the stated mission
- formulation of action plans for all operations and incorporation of the same into the institutional strategic plan
- Interaction with stakeholders
- Proper support for policy and planning through need analysis ,research inputs and consultations with the stakeholders
- Reinforcing the culture of excellence
- Champion organizational change

The Management maintains transparency in communicating the intent of the organization to all its employees through clarity in authority and delegation to achieve positive results in improving performance of the institution through the following acts.

- Frequent Meetings of respective Academic/Admission Bodies as per the requirement.

Name of the Body/Committee	Frequency of meetings
Governing Body	Twice in a year
College Academic Council	Twice in a semester
Anti-Raging Committee	Twice in a year and as and when required
Disciplinary Committee	Minimum twice in a year and as and when required
Purchase Committee – Department level	Minimum once in a semester and as and when required
Central Purchase Committee	Minimum twice in a year and as and when required
Malpractice Prevention Committee	As and when required
Grievance Cell for women	As and when required

The authorities gather information about the various aspects of College functioning through a number of ways. The management encourages the participation of the staff in the process of decision-making in institutional functioning. Both teachers and non-teaching staff have their representatives in the College's Governing Body, which is its highest decision-making body. The College has constituted different Committees teacher and members of the non-teaching staff which play an important role in the planning and implementation of activities in different spheres of institutional functioning.

The personal interaction of the Principal with various stakeholders, the faculty, the non teaching staff, the students, the guardians play an important role in this. This apart, information available in student feedback forms and information available in self-appraisal forms of teachers help the authorities plan proper support for the policies.

The participatory role of the management encourages and sustains the involvement of the college staff, which is necessary for the efficient and effective running of the College.

The Principal is the Head of the Institution and he bears the ultimate responsibility for the smooth running of the College. The role of the Principal of the College is multi-dimensional. As the Head of the Institution, the Principal is responsible for both the academic and administrative functioning of the College. He prepares the agenda for Governing Body meetings. He places before the Body, academic and administrative matters requiring the Body's approval and he is responsible for executing its decisions. He is also responsible for all correspondence with the Governing Body, Affiliating University, Government of A.P, the Central Government, University Grants Commission and different stakeholders of the College. The Principal receives reports from the different College Committees, which offer advice to him in matters defined in the terms of reference of their functions.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

Frequent staff meetings at department level and Heads meeting at institution level alongwith representatives of various committees for effective and timely feedback. The Principal of the college, at the helm of the affairs, has complete autonomy to govern the institution within the purview of the rules and regulations framed by the government. In the beginning of the academic year, a self mapping exercise is conducted for the staff by IQAC. This exercise exposes the strengths and challenges of each of the personnel to draw a potential map, which gives insight to the management, for the distribution of responsibilities.

The head of the institution appoints the conveners for various committees with the consent of the governing body and further nominates the members of committees in consultation with the respective conveners based on the potential map.

Official notice is issued along with the guidelines defining the roles and responsibilities of the committees. The committees prepare action plans and submit to the principal for approval. The committees carry out the activities and at the end of the academic year the conveners submit the reports of the work done to the head of the institution. All these activities are evaluated by the IQAC.

The faculty is informed of their duties and responsibilities by the head of the institution in the scheduled staff meetings and departmental briefings. The administrative staff is given a job map along with the roles and responsibilities.

6.1.5 Give details of the academic leadership provided to the faculty by the top management.

The Management of the college is in constant touch with head of the institution and has an amicable rapport with the head of the institution. In the institution the members of the Management Committee meets frequently and the problems and issues related to college development, administration, appointment and infrastructural needs and student disciplines are discussed. In the Management committee meeting, head of the institute and some staff members nominated by the management committee are also present to provide information and suggestions if any. In the meetings responsibilities are defined and communicated to the staff through the head of the institution. If the situation demands, the President of the Management Committee holds meeting with the teachers to communicate directly and bestows the responsibilities. The teaching as well as the non-teaching and supporting staff follows on instructions and obey the order in the interest of the institution.

6.1.6 How does the college groom leadership at various levels?

The college grooms leadership by discussing issues with and advising the teaching and non-teaching staff as well as the students. The management is always encouraging and supporting the involvement of the staff in the improvement of the effectiveness and efficiency of the institutional process. The management through the head of the institution involves the staff members in various activities related to the development of the college. The staff members are involved by way of constitution of various committees such as Advisory Committee, Discipline Committee, Examination Committee, etc. The best working committee is appreciated and the staff members involved are suitably rewarded.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

The institution believes in promoting a culture of decentralized governance system

For eg:

- The Head of the Department has the authority in deciding the activities and delegating the responsibilities to the staff members of the department.
- The department decides on timetable, subject allocation, purchase of equipment and consumables, organizing guest lectures and workshops, recommends necessary industrial visits, implant trainings, MoUs and work to achieve its goals, vision and mission.
- Administration: Freedom to organize the administrative activities in accordance with the institutional policies.

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

YES, the college promotes culture of participative management which enables staff and students to voice their opinions and suggestions which are considered for improvement. All academic and administrative activities are decentralized and management decisions are taken based on discussion and deliberations in class committee meetings, department meetings, monthly faculty meetings and HoDs meeting with principal and deans. Finally the Principal coordinates between departments, administration and management. Minutes of these meetings are recorded.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

The strategic plan critically examines the grooming of the students, the exciting challenges and rewarding future. It also aims to meet the expectations from all the stakeholders and achieve improved levels of satisfaction to students, teachers, parents and employers.

The major thrust of the strategic plan will be to achieve calibrated improvement in the quality of technical education as the institute imparts in line with the Vision and Mission of the institute.

The strategy is developed, laying emphasis on building core strengths i.e., excellent infrastructure, talented students and faculty community and a deeply committed management and the challenges thrown by the emerging opportunities.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

The management plans the expansion and up gradation of infrastructure, modernization of existing facilities, research and development and introduction of new courses. The Principal and Heads of the departments, plan the academic activities, consultancy, MoUs, Innovations in teaching and learning process etc.

6.2.3 Describe the internal organizational structure and decision making processes.

The internal organizing structure of the institution is made of

- Governing Body
- Chairman/Secretary.
- Principal
- Administrative
- Academic
- Accounts
- Library
- Advisory Committee
- Administrative Officer
- ALL HODs

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- Teaching & Learning
- Research & Development
- Community engagement
- Human resource management
- Industry interaction

Teaching & Learning

- The teaching staff will prepare the course material, work programme and lesson plan before the commencement of the semester to ensure a systematic, effective and efficient teaching mechanism.
- To enhance the quality of teaching, regular Faculty Training Programmes and Faculty Development Programmes will be conducted. The faculty members are encouraged to organize and take part in such events
- The institute organizes Student Development Programmes to equip the students to meet the challenges in their career. Value Addition programmes like Certificate Courses and Post Graduate Programmes are offered to the students to bridge the gap between the university syllabus and industry requirements, regular industrial visits and industry-academia interactions are organized so as to get the practical exposure about the functioning of the organization. Apart from the career building activities the institute also conducts Personality Development Programmes in the beginning of every semester to develop their overall personality.

Research & Development

The faculty members are encouraged to write articles for publication in journals and to present papers in National and International Conferences. The institution extends the support required to take up projects in which both faculty and students are involved.

Community engagement

The institution organizes blood donation camps in association with Red Cross, Rotary Club, Lions Club, Health Care Centre etc. The Institution also organizes social awareness programmes like World Consumers Day, National Educational Day, Voters Day, Ozone Day, Aids Awareness, Human Rights, Environment Day, National Communal Harmony, Women's Day etc. The other initiatives like Drawing & Painting Competition, creating awareness through skit & street plays on social issues, rain water harvesting, teaching children in the Government Schools etc.

Human Resource Management

Advertisements will be released in the newspapers twice a year for the required positions. The applications received are short listed based on the qualification and experience. Such short listed candidates are called for personal interview.

Expert Panel members will conduct the interview and the selected candidates are asked to give a demonstration so as to evaluate their presentation and communication skills in the classroom. Based on these criteria the candidate will be recruited to the institution. In addition, good referrals are also considered. In case of recruitment of non-teaching staff, the same procedure will be applicable except for the demonstration class.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The Head of the institution ensures that the adequate information about the Institutional activities is available to all parties through the institutional website as well as through social media.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The following programmes are offered for employees:

- Faculty development programmes.
- Industrial visit by faculty members.
- Conceptual understanding sessions.
- Study leave and partial financial assistance or seed money given for teachers going for higher studies.
- Industrial training.
- Participation and presentation in various conferences and seminars.
- Attend UGC and AICTE sponsored quality improvement programmes.
- Encouraging staff to pursue higher studies through study leave, flexibility in workload and timing, extension of laboratory, internet and library facilities, special classes conducted by experienced senior faculty etc.
- Technical Seminars.
- Sabbatical leave for employees doing post doctoral research.
- Non-teaching staff doing diploma courses and part time B.E./B.Tech.
- Training courses for Technical staff.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The governing body of the college meets twice in a year to review the progress, the academic performances of faculty and students and to take major decisions pertaining to the development of the college. The resolutions/minutes passed in the governing body meeting will be implemented.

The following are the details of resolutions made in the meeting held on 18-05-2013 and their implementation.

S.No.	Resolution passed	Implementation/action taken
1	To conduct an International conference by the departments of CSE & IT	The departments of CSE & IT have organized an International Conference on 12 th & 13 th July 2013
2	The placement activities need some improvement and to be accelerated as there are indications of several opportunities in IT Industry.	To accelerate the placement activities an MOU has been signed with Microsoft for providing necessary training to the students by establishing an innovation centre in the college and for recruiting minimum 100 students by the company.
3	The students of UG and PG may be deputed for doing their project in industries.	Students are given an option to do their projects in industry under the supervision of faculty. However the college is having all necessary facilities to do their projects in house under the guidance of the faculty
4	To invite experts from industry and prime educational institutions to deliver guest lectures	Guest lectures are arranged by all departments
5	The faculty are encouraged to apply research and sponsored projects and under other schemes to various funding agencies like AICTE, UGC, CSIR, DAE, DRDL etc.	Faculty have submitted proposals to AICTE & UGC for funding under different schemes. AICTE has sanctioned Rs.2.75 lakhs to conduct two training programmes under seminar grant to the departments of ECE & CSE. The faculty submitted proposals to UGC under minor and major research projects.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

Yes. Being private unaided self financing institution it is already enjoying financial and administrative autonomy. As the institution is affiliated to JNT University Kakinada, Kakinada it does not have Academic autonomy. It has obtained permanent affiliation from the university and is applying for the grant of Autonomy from UGC and ultimately to grow as a Deemed University.

6.2.9 How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

There is a Grievance Redressal Cell in the college. It discusses any complaint as and when received and recommends appropriate action.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

Yes. The advisory committee consisting of the Head of departments and class coordinators or senior teachers collects the exit level feedback from the graduates regarding learning processes. Feedback is also taken during the Alumni meet regularly organized by the institute. The PG departments have developed a format to obtain the feedback of its students, who are employed in various organizations.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

The institution promotes professional development of the faculty to the greatest possible extent. Lot of efforts are made to enhance the professional development of teaching and non-teaching staff by organizing seminars, conferences and workshops and deputing/sponsoring the faculty and staff for further training, attending workshops, seminars etc. The management encourages the faculty and staff to improve their qualifications by sponsoring them for higher education and by sanctioning sabbatical/study leave.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- Faculty development programmes.
- Industrial visit by Faculty Members.

- Conceptual understanding sessions.
- Study leave and partial financial assistance given for teachers going for higher studies.
- Industrial training.
- Participation and presentation in various conferences and seminars.
- Attend UGC/AICTE/Industry Sponsored quality improvement programmes.
- Training courses for Technical staff.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

The institution/management evaluates teachers based on teaching and research activities and due importance is given for both. A structured staff evaluation form is made use of by each faculty member for this purpose where in he/she gives the details of his/her performance and participation in all the activities assigned to him/her by the department /college.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The management always plays an active role in the performance appraisal of the staff. The management keeps a keen vigil on the working behavior of the members of the teaching as well as the non-teaching faculty. Annual increments and placement in the grades are all implemented under the signatures of the managing committee.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- Financial assistance for Children education,
- Interest free loans
- Financial assistance in medical emergencies
- Provision for Provident Fund for eligible employees.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- Additional increments and pay/incentives.
- Free transportation is provided to all the teaching and non teaching staff
- Free lunch , coffee and tea everyday
- Provision for Provident fund
- Free Medical checkups
- Loan against salary
- Sabbatical leave for post doctoral, PhD programmes and industrial training.
- On-duty facility for pursuing PhD and to attend training programmes
- Rent free accommodation

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

The financial resources of the institute are managed in a very effective and foolproof manner. There is fully computerized accounts department in the institute.

The following three types of accounts are created:

- Income & Expenditure Accounts.
- Balance Sheets
- Receipts and Payments

Each and every transaction is supported by the vouchers. All the collections are in the bank and all expenditure, recurring and non-recurring are incurred through cheques. Only duly authorized persons can operate through the bank. For effective check on the accounts, the two-tier system is followed ----- the internal and the external audit on a continuous basis.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

- Internal audit is conducted by the management periodically. It sends its staff for the conduct of the audit at random.
- The management committee appoints a Chartered Accountant who along with his team conducts external audit regularly. The external audit is up to date. It has been completed on the last financial year 2012-13
- There were no significant objections raised by the auditors. Some minor mistakes were found, which were sorted out.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major receipts are fees collected from students and grants given by the authorities apart from bank loans towards creation of infrastructure. The audited Accounts of the Society which established the institution are enclosed herewith for the required years.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any)

Various steps are being taken by the institute to generate additional funds. The institution organizes seminars and conferences. The expenditure for the conduct of these seminar and conferences is met by the grants received from the sponsoring agencies such as IEEE, AICTE,UGC, etc.

Submitting proposals to AICTE/UGC/DST and other agencies for funding under different schemes like research projects, seminars, FDPs, MODROBS and other schemes.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a. **Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

Yes, the college has established an Internal Quality Assurance Cell (IQAC) which conceives plans, executes growth oriented programmes and keeps a critical eye over the functioning of all the components of the college to frame or reframe strategies for quality improvement.

- The vision of the institution affirms open mindedness and its functioning encourages participative and democratic principle of management. The policy infuses quality in all the programmes and seeks the all-round growth of the college.
- The members of IQAC in consultation with Co-ordinators, Deans, HODs and Teachers- in-charge of clubs and committees frame a standard operational plan in the beginning of the academic session. An activity calendar is prepared and strategic roadmaps are evolved for quality enhancement and quality sustenance of the institutional programmes.
- Besides achieving excellence in Academics, Sports and Extracurricular/Co-curricular Activities, the IQAC strengthens the value system by inculcating ethical understanding among the students, sensitizing them to the needs of the community, generating engineering skills, communication skills, self-employment and employability and positive thinking among the learners.
- The IQAC meeting focuses on the following issues:-
 - The changing trends in job market and higher education.
 - Introduction of new subjects and courses suiting the requirement of the market.
 - Infrastructural requirements.
 - Requirements of staff and students in terms of teaching and equipment, machines, books, journals etc.
 - Expectation of parents from the institution.
 - Welfare scheme for students and staff including incentives and concessions.
 - Proposals for workshops, seminars, conferences, lectures, exhibitions and displays etc.
 - Research projects.
 - Awareness programmes for students.
 - Strategies for further improvements in sports, academic, cultural activities.
 - Building international linkages.
 - Special programmes to inculcate values and patriotic feeling in the youth.
 - Projects to instil in students a sense of responsibility for the underprivileged sections of the society.
 - Plans for the promotion of culture and heritage of India.

- b. **How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?**

The management as usual approves all the decision as it is involved in decision making process. The following decisions were taken by the IQAC and approved by the management for implementation.

- To introduce new courses to complement the present curriculum courses.
- To build up new facilities and upgrade the present facilities to render better technical support
- To provide bank facility and ATM inside the campus.
- To install video conferencing gadgets, Public Addressal Systems.

- c. **Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

The following are the External Members of the college IQAC. They will attend the review meetings and suggest suitable measures for the development of the college.

1. Dr. N.Sambasiva Rao, Former Prof. in ME (IIT KGP),Guntur.
2. Dr.A.V.Bhaskara Rao, Prof. in Civil Engg. ,(IIT,Mumbai) Principal, SMCE, Guntur.
3. Sri P.Nageswara Rao, M.A., M.Phil., P.G.Dip in HRM, P.G Dip. in Journalism & Mass Communications , Deputy General Manager, A.P.Co-Operative Central Bank, Guntur and Trainer in Persnality Development and Career Guidance.

- d. **How do students and alumni contribute to the effective functioning of the IQAC?**

The students play the role of active learners who help in creating systems according to their needs and requirements. They make suggestions regarding improvement in teaching-learning process, examination system, day-to-day facilities like library services, leisure or canteen services etc. they are also informed about the decisions taken or policies made by IQAC for their welfare through notices & announcements etc. As far as the alumni of the college are concerned, IQAC makes special efforts to involve them in the college programme.

- e. **How does the IQAC communicate and engage staff from different constituents of the institution?**

It has been earlier stated that all strategies of IQAC are formulated with consultation of other faculty members. Further at the time of execution of the plans, the staff members and students are involved. As they are with IQAC from the seeding, planting and cultivating process, this association contributes to the effective functioning of the college.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.

The institution has an integrated framework for Quality assurance of the academic and administrative activities. Staff members (both teaching and non-teaching staff) are involved in framing the policies and procedures, guidelines, rules and regulations and effectively implementing the same to ensure smooth and systematic functioning of the institute. Staff members are also involved in framing the procedures for admission of students for the course and examinations [Internal & University] to be conducted by the institute. Suggestions from students and external members are also taken in for strategic decisions.

All the staff members are involved in implementing the policies, procedures and framework designed by the top management in order to maintain and achieve the quality standards.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

The academic as well as the administrative working is further realised by providing regular training sessions being organized by the Institute for its teaching as well as non-teaching staff. All the departments organise Faculty Development Programmes, Entrepreneur Development Programmes, Lectures and workshops to give more thrust on pedagogy so that the innovations across the field are practiced in the teaching methodology. Informally, many experts and renowned professors interact with the faculty members to facilitate more on enhancement of the performance. In addition, attending outreach programmes by faculty members also enriches them in bench marking services of the institution.

The Head of the institute also interacts with faculty members through faculty meetings and shares his ideas and explains how quality initiatives of the institute have to be implemented.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

The institution has engaged in a faculty-driven model enduring self-reflection, collaboration, teamwork and experts feed-back. The Management receives the feed-back about each faculty member in the form of self appraisal to know their teaching and learning performance. The details of the subjects handled, percentage of pass and students' performance in the tests & examinations, programmes attended such as training programmes, participation in the conferences or seminars, Books or papers published and programmes organised are well mentioned in the self appraisal form by the faculty members.

The purpose of an academic audit is to evaluate the “**education quality processes**” – the key faculty activities required to produce, assure and regularly improve the quality of teaching and learning. This helps to know how faculty approach educational decision-making and how they organize their work, using the resources available to them and working mutually respectfully to provide a quality education in the best interests of the discipline and student learning.

Academic audit is also conducted by the affiliating university. All the eligible under graduate programs offered by the institution are accredited twice by NBA which shows the proper maintenance of academic standards, norms & procedures. The institution is also certified as an ISO 9001-2008 by an external agency.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

- Internal Quality Assurance System is aligned with requirements of external quality assurance agencies in terms of quality of teaching learning process
- Support provided to the achievements of students.
- Quality of training programmes offered.
- Competency of academic and administrative human resources etc.,

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The institution has a structured mechanism to continuously review the teaching-learning process.

Review of the teaching process

- Allotment of subject to teach in the area of specialization based on the preferences given by the faculty
- Preparation of Work Programme, Lesson Plan in detail, & Course Material of the subject and submission of the same to the Director for experts' evaluation.
- The Head of the Institute interact with students and faculty members regularly; collect the feedback about the faculty teaching and functioning of the classes.
- Formal structured feedback forms are distributed to the students at the end of the semester classes in order to know the faculty teaching performance.
- The reviewed performance analysis will be communicated to the faculty members by the Head of the Institute and advised suitably for further improvement.

Review of the Learning Process

- The Head of the Institute interact with students and faculty members regularly; collect the feedback about the faculty teaching and functioning of the classes.
- The students are given two internal tests in a semester to evaluate the performance of their learning
- The institute has a strong mentoring process where students are attached to faculty members thereby continuous monitoring of student development is achieved. During this process, the mentors also interact about their learning process and problems if any. The major problems identified are reported to the Head of the Institute by the Mentorship committee with a consolidation report containing common issues of students.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The institute organises interactive meetings with all its stakeholders in order to communicate its quality assurance policies, mechanisms and outcomes. The following are the stakeholders of the institute:-

- Management/Governing Council will interact with the employees once in six months in the form of meetings. The opinions and suggestions are drawn towards improving the qualitative aspects of the institution and guide them towards achieving excellence.
- Parents-Teachers Meeting will be conducted regularly to update them regarding the quality initiatives taken up in the institution and to tell them about the progress of their wards.
- For students, the institute conducts Student Orientation Programme at the beginning of every semester to make them understand their role in achieving quality and to reinforce the culture of excellence in all aspects. Mentor meetings are conducted once in a month to interact with their mentees and allow them to express their concerns if any and motivate them in their academic and personal endeavours.
- Placement Cell will interact regularly with the employers who recruit our students to know that if there is any requirement to impart additional skills so as to match with their performance in the organisation.
- Alumni- Regular interaction with the alumni members is organized through meetings conducted once in every six months to provide a platform for the alumni to share their experience.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Yes. There is inspection and supervision of the campus and facilities done internally by the Head of Institution, maintenance engineer and garden incharge on a regular basis to ensure that we remain a green campus. Also an annual inspection and certification is done by the Maintenance Department.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

- * Energy conservation YES
- * Use of renewable energy YES
- * Water harvesting YES
- * Check dam construction NO
- * Efforts for Carbon neutrality NO
- * Plantation YES
- * Hazardous waste management YES
- * e-waste management YES

Energy conservation: Ample provision is made for natural illumination and ventilation across the campus therefore the usage of power will be to the minimum.

Use of renewable energy: Initiated the process. Efforts are on to utilize Solar energy.

Water Harvesting: Water Harvesting provision has been made with a functional well.

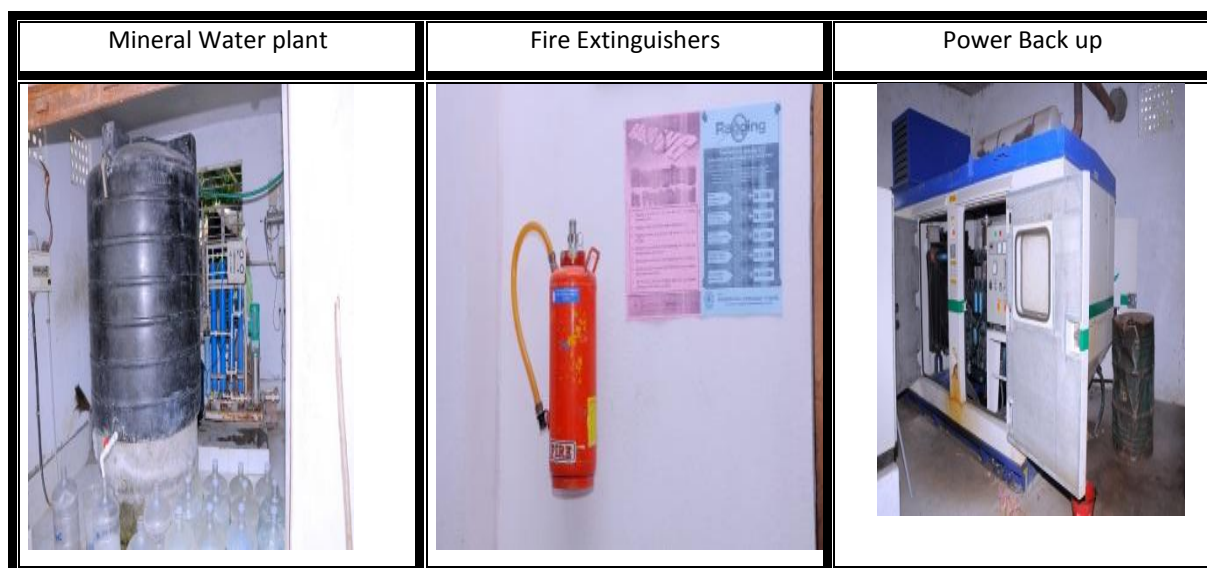
Check dam construction: Provisions have not been made

Efforts for Carbon neutrality: As the campus is away from the huzzles and buzzles of the tow /city and carbon free environment is created. The college is situated in a serene atmosphere and full of trees and greenery is available.

Plantation: Maintained in large Scale basis. Planted many trees and land scaping is also made with good plants and green grass.

Hazardous Waste Management: No initiation has been made in this direction

E-waste Management: E-waste is accumulated and periodically handed over to the vendors of electronic equipment for safe and proper disposal.



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 college.

- CSR activities are organised regularly on social issues, environmental issues where students and staff take part actively to sensitize the public & Computer Literacy Programme for Senior Citizens.
- Mentorship Process has been initiated by the institute and the meetings are held periodically where each student is attached to the faculty Mentor to guide, coach and train them in all respects to enhance their personality through out their stay in the institute.
- Cultural club organizes talks by the Spiritual leaders, Social Reformers etc.
- EDP Cell – organize various workshops and training programmes to inculcate the spirit of entrepreneurship among the students.
- Rural entrepreneurship was one of the innovative programmes organized by the institute by inviting farmers to share their knowledge and experience.
- Cultural Activities are organised periodically so as to showcase and nurture the talents of the students.
- Sports – Cricket Ten-Ten B-School Tournament, Annual Sports and weekly time slots are allotted to the students and faculty. Excellent gym facilities are also provided.

7.3 Best Practices

7.3.1 Elaborate on any two best practices as per the annexed format which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

BEST PRACTICE 1 AT THE INSTITUTION

Title of the Practice : Need-Based Curriculum

Goal:- The college is very keen to watch trends. Before the market forces catch us off-guard, we prepare new courses, faculty and facilities of international standards. This practice lends the curriculum viability to cater to diverse needs of society and to direct the students to make a wise choice matching the national and international trends.

The Context:- The aim of the college is to equip the students with global competencies, so that they could meet with the demands of the changing scenario successfully. Keeping in mind this aim, the institution studies the national and international trends, molds and makes choices of courses accordingly. Where need be, it designs innovative courses to provide a new choice to the students. This practice has boosted the image of the institution in the public eye and has attracted more students from the region.

The Practice:- The multifarious curriculum offers a wide range of job-oriented and skill based courses and provides the learners the option to match their aptitude and interest with the subject of their choice.

The institution has introduced various add-on courses for curriculum enrichment, so as to meet the changing trend of the industry and increase the employability of our students. **Ref: Annexure I-C**

All the courses at UG & PG levels follow teaching and examination system according to the guidelines of the university. As the institution keeps an eye on the quality, it keeps its teaching-learning process up to date. Innovation and experimentation are the twin forces that strengthen it and make it meet the national & international expectations.

The institution has also entered into Academic Alliance with MICROSOFT, providing students access to the latest softwares and technologies, allowing them to be in par with the industry requirement.

Evidence of Success:- Both the strength and result graph of the institution has been continuously increasing since its inception as can be seen from **Annexure III- A, B**

Problems encountered and Resources Required

- Delay in reimbursement of fees from the government.
- The delay on the part of the university to sanction courses also breaks the momentum.
- Continuous political unrest in the state disrupting the smooth implementation of the academic calendar.

Title of the practice 2 : Mentoring Programme:

Mentoring is a process adopted by the institution through which a mentor (faculty member) takes care of mentees (student's) career interest and well being. As our students in the institution are from different educational backgrounds, diversified cultures and practices, facing different issues and problems, accommodated in different parts of the city, mentoring acts as a platform for the students to discuss and interact with faculty members, seek advice, develop judgment skills and strive to achieve their long term goals effectively.

Goal

- To encourage the students for regular interactions with the mentor so as to build a good rapport with the mentor and the institution, thereby all the care, advice and support can be provided by the mentor to the mentee.
- To provide an opportunity for the management student to express and share the feelings with the mentor, discuss conflicting issues faced by them and seek solutions on a regular intervals.

The Context:- Mentoring has been initiated after analyzing certain issues of the students such as issues related to communication in English language as many students had less exposure in communication. Also students come from various parts of the state and have different level of understanding of the subjects. Some of the students who stayed in private accommodation had certain issues of adjusting to the hostel or paying guest accommodation. All this led to the process of adopting mentoring programme for the students so as to instill confidence and enhance quality.

The Practice:- The institution has taken an extra effort to schedule Mentoring twice in a month in the time table. The students allotted to each mentor will meet and interact with the mentor during the scheduled time on an individual basis. Forms like student personal data sheet, mentee goals work sheet, Mentee Schedule form are maintained by the mentor. During the process both the mentor and mentee fill in the necessary information required into the forms, discuss issues, generate solutions, information is exchanged and healthy environment is built up. The quarterly evaluation of mentoring is also carried out for building up quality approach. Frequent meetings are difficult to schedule as the number of students are more and constraint of time which was overcome by scheduling the meetings in the time table. Also, during the spare time the mentee has opportunity to meet the mentor for discussions.

Evidence of success:- Mentoring has helped the students to take up challenges, overcome obstacles and difficulties in their day to day life. Mentoring has helped the mentor to know and relate with the students better, develop judgment skills and build a better rapport with the students. Parents, guardians and all other relevant stakeholders are aware and appreciative of the help the students get through the mentoring programme.

Problems encountered and resource required:- The scheduling of time for mentoring the students had been challenging, owing to the tight academic schedule. It was also a challenge to schedule training sessions for the faculty members, so as to make them familiar with mentorship as a concept, in understanding the system and the various forms to be filled in, which act as an important tool for recording and disseminating the information of the mentoring process.

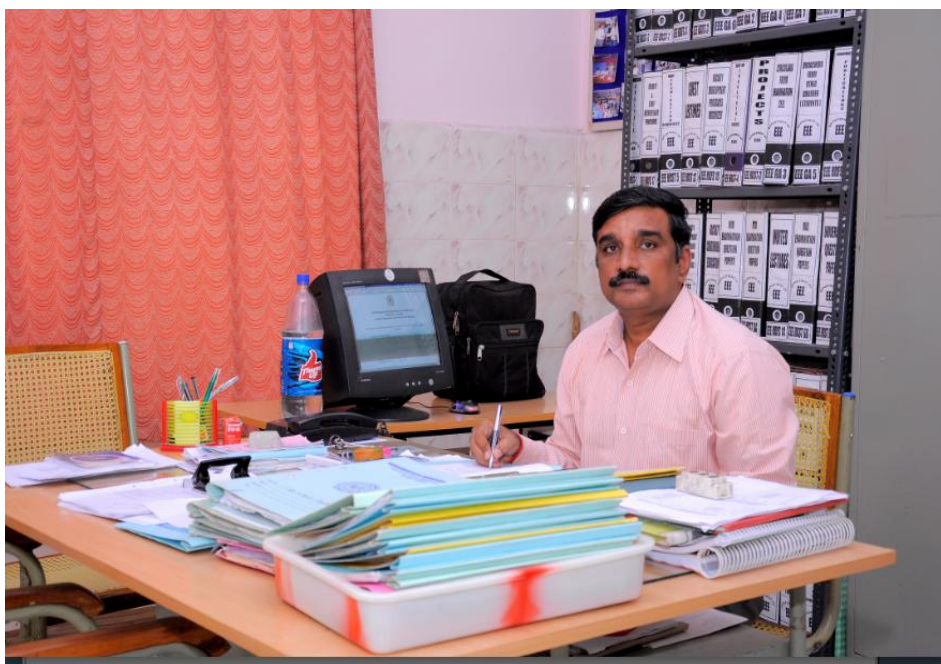
Evaluative Summary of EEE Department

Department of Electrical & Electronics Engineering (EEE), in NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET, started in the year 1998 with an intake of 60. It is raised to 120 in the year 2009. In the Year 2004 M.Tech in Power & Industrial Drives course was introduced with an intake of 18.

Department of Electrical & Electronics Engineering impart quality education in Power Systems, Power electronics, Electrical Machines and control systems. Prepare them for a lucrative future in the growth-oriented Electrical Core Industrial areas and IT industry.

The department is equipped with Electrical Machines, Control Systems, Electrical Measurements, Electrical Circuits, Power electronics and Electrical Systems Simulation Laboratories where students hone their skills. The other facilities include LCD projectors, Over Head Projector to bring alive the classes and for seminar needs as well as UPS for uninterrupted supply during power cuts.

Dedicated and eminent faculty is the strength of the Department under the supervision of HOD, who is a visionary with wide experience.



Dr. R.V.D.Rama Rao

Professor & HOD, EEE

Department Summary

Short Term Goals

- To include ethical, moral and value based education system in the institution.
- To improve the Academic performances and achieve 100% results.
- To improve campus placements.
- To develop domain specific expertise amongst department faculty
- To develop product development facilities in the department

Long Term Goals

- To develop International leaders in Technology
- To encourage faculty to indulge in research activities
- To develop R & D center in the Department
- To emerge as a center of excellence and ultimately become a deemed university

1. **Name of the department** : EEE
2. **Year of Establishment** : 1998
3. **Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):**

Programme of study	Description
UG in EEE	Started with <u>60</u> intake in <u>1998</u> Intake increased to <u>120</u> in <u>2009</u>
UG in EEE	Accredited twice by <u>NBA-AICTE</u> in <u>2009</u> and in <u>2013</u>
PG	Power & Industrial Drives Programme started with 18 intake in 2004. Power Electronics & Electrical Drives Programme started with 18 intake in 2012.

4. **Names of Interdisciplinary courses and the departments/units involved :**

Courses offered by other departments:

Electronic Devices and Circuits, Linear Discrete integrated circuits, Switching Theory and logic design, Microprocessors, C and Data structures, computer organization, fluid Mechanics and hydraulic machinery, management science ,managerial science and financial analysis.

5. **Annual/semester/choice based credit system (programme wise) :**

Programme of Study	Description
UG – B.Tech in EEE	8 Semesters
PG – M.Tech in Power & Industrial Drives Programme	4 Semesters
PG – M.Tech in Power Electronics & Electrical Drives Programme	4 Semesters

6. Participation of the department in the courses offered by other departments:

Network analysis, Basic Electrical Engineering, Electrical Technology, Control Systems

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil

8. Details of courses/programmes discontinued (if any) with reasons :Nil

9. Number of Teaching posts

Post	Sanctioned	Filled
Professors	5	5
Associate Professors	10	10
Asst. Professors	15	15

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M. Phil. etc.,)

S.No.	Name of the Faculty	Qualification, University and year of graduation	Designation (administrative positions, if any)
1.	Dr. R.V.D. Rama Rao	Ph.D, JNTUH, 1997	Professor.
2.	Dr. V. Srinivasula Reddy	Ph.D, JNTUA, 1998	Professor.
3.	Dr. J. Viswanatha Rao	Ph.D, JNTUA, 1997	Professor
4.	Dr. G. Madhusudhana Rao	Ph.D, SKU, 1999	Professor
5.	Prof. B. J. P. Satya Kumar	MSc. (Engg.), SVU, 1963	Professor
6.	K.Suresh	M.Tech, RECS, 1999	Assoc. Professor
7.	M.Suresh	M.Tech, JNTU, 2002	Assoc. Professor
8.	P.D.V.S.K.Kishore	M.Tech, JNTU, 2002	Assoc. Professor
9.	J.Sunil Babu	M.Tech, ANU, 2002	Assoc. Professor
10.	Sk.Md.Shareef	M.Tech, AU, 1997	Assoc. Professor
11.	Y.Rajesh Babu	M.Tech (Ph.d), JNTU, 2006	Assoc. Professor
12.	Sk.P.Karimulla	M.Tech, JNTU, 2006	Assoc. Professor
13.	A. Ramanjaneyulu	M.Tech, JNTU, 2005	Assoc. Professor
14.	P. Ravi Kumar	M.Tech, JNTU, 2006	Assoc. Professor
15.	G. Koti Reddy	M.Tech, JNTU, 2007	Assoc. Professor
16.	N.Vanajakshni	M.Tech, JNTU, 2006	Asst. Prof.
17.	D. Gangadhara Reddy	M.Tech, JNTU, 2008	Asst. Prof.
18.	U. Naresh	M.Tech JNTU 2008	Asst. Prof.
19.	G. Naga Raju	M.Tech, JNTU, 2007	Asst. Prof.
20.	D. Sagar	M.Tech, JNTU, 2007	Asst. Prof.
21.	D. Srikanth	M.Tech, ANU, 2008	Asst. Prof.
22.	M. Chandra Sekhar	M.Tech, JNTU, 2008	Asst. Prof.

23.	Ch. Assan	M.Tech, JNTU, 2008	Asst. Prof.
24.	P. Prasanna Lakshmi	M.Tech, JNTU, 2010	Asst. Prof.
25.	R. Ratna Raju	B.Tech, ANU, 2009	Asst. Prof.
26.	L. Venkateswarlu	B.Tech, JNTU, 2010	Asst. Prof.
27.	Sk. Gouse Basha	M.Tech, JNTU, 2010	Asst. Prof.
28.	T. Phanindra	M.Tech, JNTU, 2009	Asst. Prof.
29.	D. Rajesh	B.Tech, JNTU, 2008	Asst. Prof.
30.	V. Anuradha	B.Tech, JNTU, 2012	Asst. Prof.

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (programme-wise) by temporary faculty : Nil

13. Student -Teacher Ratio (programme-wise):

Year	STR
CAYm2 (2010-11)	15
CAYm1 (2011-12)	13.84
CAY (2012-13)	13.54

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : 9 technical staffs.

S.No	Name of the Tech. Staff	Designation (Pay-scale)	Qualification	Responsibilities
	<i>At joining</i>			
1	SK.Immam Hussain	Lab Technician	I.T.I	Assisting students during lab time
2	P.Elize Kumar	Lab Technician	I.T.I	Assisting students during lab time
3	G.Vasu	Lab Technician	Diploma	Assisting students during lab time
4	SD.Hussain	Lab Technician	I.T.I	Assisting students during lab time
5	SK.Akbar Basha	Lab Technician	I.T.I	Assisting students during lab time
6	G.V.Raghavaiah	Lab Technician	I.T.I	Assisting students during lab time
7	S.Balabramachari	Electrician	I.T.I	Maintenance of Electrical Works
8	B.V.China Subbarao	Electrician	I.T.I	Maintenance of Electrical Works
9	G.V.Naga Lakshmi	D.T.P. operator	M.A	D.T.P.Work
10	K.Yagneswararao	Attender	SSC	Departmental work

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

S.No	Name of the Faculty	Qualification, University and year of graduation
1.	Dr. R.V.D.Rama Rao	M.Tech-JNTU, HYD, DEC-2005,B.Tech –Instute of Engineers,1998 Ph.d- JNTU,Anatapur.2012
2.	Dr. V.Srinivasula Reddy	Ph.D-JNTUA,2010;M.Tech-University of Mumbai-2002;B.tech-AMIE1994
3.	Dr. J.Viswanatha Rao	Ph.D-JNTUK-2011,M.Tech-JNTU-2006,B.Tech-JNTU-1997
4.	Dr. G.Madhusudhana Rao	Ph.D-JNTUK-2011,M.Tech-JNTU-2006,B.Tech-SKU-1999
5.	B.J.P.Sathya Kumar	M.Sc(Engg)-University of Madras-1968,
6.	K.Suresh	B.Tech-REC Silchar-1996,M.Tech-ANU-2006
7.	M.Suresh	B.Tech-JNTU-2002,M.Tech-NIT Warangal-2008
8.	P.D.V.S.K.Kishore	M.Tech -2010 july JNTUK, B.Tech-2002APRIL,JNTU A.P.
9.	J.Sunil Babu	M.Tech -2008May,N.U, B.Tech-2002SEPTEMBER,N.U
10.	Sk.Md.Shareef	M.Tech -2008JNTU,HYD, B.Tech-2004 July Andhra University
11.	Y.Rajesh Babu	M.Tech -2009SEP,JNTUK, B.Tech-2006 APRIL ,JNTU
12.	P.Karimulla SK	M.Tech -2011SEPJNTU,HYD, B.Tech-2006 JNTU.
13.	A.Ramanjaneyulu	B.Tech-JNTU-2005,M.Tech-JNTUk-2012
14.	P.Ravi Kumar	M.Tech -2009,NU, B.Tech-2006 JNTU
15.	G.Koti Reddy	M.Tech -2010 JNTUK, B.Tech-2007 JNTU
16.	N.Vanajakshi	B.Tech-JNTU-2006,M.Tech-ANU-2009
17.	D.Gangadhara Reddy	B.Tech-JNTU-2008,M.Tech-JNTUA-2013
18.	U.Naresh	M.Tech -2010 JNTU,Anatapur, B.Tech-2007 JNTU H
19.	G.Naga Raju	M.Tech -2011 JNTUK,B.Tech-2007 April JNTU H
20.	D.Sagar	M.Tech -2011 JULY,NIT,Warangal,B.Tech-2009 JNTUK
21.	M.Chandra Sekhar	M.Tech -2012 JNTUK,B.Tech-2008 JNTU HYD.
22.	Ch.Assan	M.E -2013 A.U,feb.B.Tech-2008 JNTU HYD
23.	P.Prasanna Lakshmi	M.Tech -2013JNTUK,B.Tech-2010 JNTUK
24.	D. Srikanth	M.Tech, ANU, 2008
25.	Sk. Gouse Basha	M.Tech, JNTU, 2010
26.	T. Phanindra	M.Tech, JNTU, 2009

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : 19

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

* a) Publication per faculty

S.No	Name of the Faculty	Designation (administrative positions, if any)	No. of research publications in journals and conferences since joining
1.	Dr. R.V.D. Rama Rao	Professor.	13
2.	Dr. V. Srinivasula Reddy	Professor.	6
3.	Dr. J. ViswanathaRao	Professor	6
4.	Dr. G. MadhusudhanaRao	Professor	6
5.	Prof. B.J.P.Satya Kumar	Professor	4
6.	K.Suresh	Assoc. Professor	2
7.	M.Suresh	Assoc. Professor	2
8.	P.D.V.S.K.Kishore	Assoc. Professor	2
9.	J.Sunil Babu	Assoc. Professor	2
10.	Sk.Md.Shareef	Assoc. Professor	2
11.	Y.Rajesh Babu	Assoc. Professor	2
12.	Sk.P.Karimulla	Assoc. Professor	1
13.	A. Ramanjaneyulu	Assoc. Professor	1
14.	P.Ravi Kumar	Assoc. Professor	3
15.	G.Koti Reddy	Assoc. Professor	2
16.	N.Vanajakshni	Asst. Prof.	1
17.	D. Gangadhara Reddy	Asst. Prof.	1
18.	U.Naresh	Asst. Prof.	1
19.	G. Naga Raju	Asst. Prof.	1
20.	D. Sagar	Asst. Prof.	1
21.	D. Srikanth	Asst. Prof.	2
22.	M. Chandra Sekhar	Asst. Prof.	2
23.	Ch. Assan	Asst. Prof.	1
24.	P. Prasanna Lakshmi	Asst. Prof.	1
25.	R. RatnaRaju	Asst. Prof.	1
26.	L. Venkateswarlu	Asst. Prof	1
27.	Sk.GouseBasha	Asst. Prof.	1
28.	T. Phanindra	Asst. Prof.	1
29.	D. Rajesh	Asst. Prof.	
30.	V. Anuradha	Asst. Prof.	

* Number of papers published in peer reviewed journals (national/international) by faculty and students 6

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- * Monographs
- * Chapter in Books
- * Books Edited
- * Books with ISBN/ISSN numbers with details of publishers
- * Citation Index
- * SNIP
- * SJR
- * Impact factor
- * h-index

20. Areas of consultancy and income generated : Income Generated

2012-2013 (Consultancy Project)

S.No	Name of the Consultancy	AMOUNT
1	Sri Mittapalli college of Engineering, Guntur	30,000
2	Narasaraopeta Institute of Pharmaceutical Sciences, Narasaraopeta	20,000
3	Sri Mittapalli Institute Technology for Women, Guntur	35,000
4	Priyadarsini Institute of Technology & Management, Guntur	40,000
4	Mittapalli Spinners Limited , Narasaraopeta	25,000
5	Mittapalli Spinners Limited, Narasaraopeta	20,000
TOTAL AMOUNT		1,70,000

2011-2012 (Consultancy Project)

S.No	Name of the Consultancy	AMOUNT
1	Sri Mittapalli Institute Technology for Women, Guntur	30,000
2	Sri Mittapalli college of Engineering, Guntur	50,000
3	Narasaraopeta Institute of Technology, Narasaraopeta	45,000
TOTAL AMOUNT		1,25,000

2010-2011 (Consultancy Project)

S.No	Name of the Consultancy	AMOUNT
1	Mittapalli Spinners Limited , Narasaraopeta	40,000
2	Mittapalli Spinners Limited , Narasaraopeta	20,000
3	Sri Mittapalli Institute Technology for Women, Guntur	15,000
4	Sri Mittapalli college of Engineering, Guntur	30,000
5	Narasaraopeta Institute of Technology, Narasaraopeta	40,000
TOTAL AMOUNT		1,45,000

2009-2010 (Consultancy Project)

S.No	Name of the Consultancy	AMOUNT
1	Sri Mittapalli college of Engineering, Guntur	20,000
2	Narasaraopeta Institute of Technology, Narasaraopeta	30,000
TOTAL AMOUNT		50,000

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

Sl.No.	Name of the Faculty	Name of the professional society ISTE/I.E (India)
1	Dr. R.V.D. Rama Rao	LMISTE, M.I.E
2	Dr. J ViswanadhaRao	LMISTE, Chartered Engineer, IAENG, WAIRCO, MSSI
3	Dr. A Srinivasula Reddy	LMISTE, M.I.E, Member IEEE
4	Dr. G. MadhusudhanaRao	LMISTE, Member IEEE, MIACSIT
5	Mr. M. Chandra Sekhar	LMISTE

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: 60%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: 40%

23. Awards/Recognitions received by faculty and students:

Students:

S.No	Name of Event (Conference/Workshop/Competition)	Award/Reward	Attended
1	Conference	14	45
2	Workshop	-	150
3	Competition	5	25

24. List of eminent academicians and scientists/visitors to the department

S. No.	Date	Activity	Resource person(s)
1	19.02.2010 & 20.02.2010	2- Days workshop on "Recent Advances in Power Systems Engg, and Applications of Research Tools"	Dr. Sidhartha Panda, N.I.S.T, Berhamtur, Orissa. Dr. K Vaisakh, Andhara University, Visakhapatnam.
2	20.07.2010	A Seminar on "Fundamentals of Semiconductors Drives"	Dr.B.Brahmaiah, Gudlavalleru, engineering college, Gudlavalleru.

3	12.11.2010 & 13.11.2010	2 Days workshop on “Recent advances in Electrical Engineering “	Dr. D.M. Vinod kumar N.I.T, Wangal Dr.N.Yadaiah, J.N.T.U.H, HYD
4	14.02.2011	A Seminar on “Energy Conversion Awareness”	Mr.S.Ganapathi, S.E/ Transco Rajahmundry.
5	05.08.2011	A Seminar on “Power Quality”	Dr. CH.Padhmanaba Raju, P.V.P.S.I.T, Vijayawada.
6	22.09.2011	A Seminar on “Power Systems De-Regulation”	Mr.T. Murali Mohan, J.N.T.U.K, Kakinada.
7	25.02.2012	A Seminar on “Recent Trends in Electrical Engineering “	Dr. CH.Padhmanaba Raju, P.V.P.S.I.T, Vijayawada
8	09.03.2012	A Seminar on “Modern Trends in Electrical Equipment”	Mr. K.V.Varma A.G.M,B.H.E.L, HYD.
9	12.04.2012	Mission – 10X	Dr.G.Tulasiram Das, J.N.T.U.K, Kakinada.
10	07.07.2012	A seminar on “Power Generation and Power Protection methods”	Mr. N.Siva Prasad, D.E, K.T.P.S
11	28.08.2012	A seminar on “ Personality Development “	Mr. Sevyananda, Rama Kirshna Mission.
12	29.08.2012	A Seminar on “Career Opportunities in Research Sector”	Mr. Praveen Kumar, Scientific officer /D, Kalpakam
13	07.02.2013& 08.02.2013	2 Days Training Program on “ SCILAB & OCTAVE”	Mr. Murali Krishna, Mr. G.V.S.Giri, Mr.Sathya Narayana
14	20-02-2009 & 21-02-2009	National Level Student Paper Contest NEC-N-PAC – 2009	Dr.K.ChandraShakar, RVR & JC, Guntur
15	19-02-2010 & 20-02-2010	National Level Student Paper Contest NEC-N-PAC 2010	Dr.B.V,Sanker ram JNTU, Hyderabad
16	18-02-2011& 19-02-2011	National Level Student Paper Contest NEC-N-PAC – 2011	Dr. M.SuryaKalavathi JNTU, Hyderabad
17	10-02-2012& 11-02-2012	National Level Student Paper Contest NEC-N-PAC – 2012	Dr. Rabindra Kumar sahu University College of Engg. , Burla, Odisha.
18	17-02-2013 & 18-02-2013	National Level Student Paper Contest NEC-N-PAC - 2013	Dr. SubhransuSekhar Dash Professor & HOD, EEE University College of Engg. , SRM University, Kattankalutur, Chennai

25. Seminars/Conferences/Workshops organized & the source of funding

a) National

b) International

S.No	Conferences Attended	Workshops Attended
Students	32	48
Faculty	35	98

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage
EEE B.Tech 2009-13 Batch	102	102	Male = 72 Female = 30	90.2
EEE M.Tech P&ID specialization 2010-12 Batch	17	17	Male = 15 Female = 2	88.2

*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
EEE	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S.No	Name of Exam	No.of Students Qualified
1	GATE	21
2	CAT	03
3	GRE	05

29. Student progression

Student progression	Against % enrolled
UG to PG	22
Employed - Campus selection - Other than campus recruitment	- Campus selection = 37 - Other than campus = 22
Entrepreneurship/Self-employment	Nil

30. Details of Infrastructural facilities

a) Library

We have well established Department Library List of Books available with Dept. Library

No of Titles	=	120
No of Volumes	=	313
No of International journals	=	4
No of national journals	=	2
NPTEL DVD's	=	25
Project Thesis	=	90
Lab Manuals	=	9
Magazines	=	8

b) **Internet facilities for Staff & Students** : 100 Mbps internet is available for students and staff

c) Class rooms with ICT facility

Room Description	Usage	Shared/ Exclusive?	Capacity In Sqm	Rooms Equipped with
Class Room No.EEEEC1-103	I-Year –A Section	Exclusive	72	1. Glass board 2. Student desks 3. Networking and Internet 4. Lights 5. Fans 6. LCD projector 7. *Over Head Projector
Class Room No. EEEEC2 104A	I-year-B Section	Exclusive	72	1. Glass board 2. Student desks 3. Networking and Internet 4. Lights 5. Fans 6. LCD projector 7. Over Head Projector
Class Room No. EEEC3 207	II-Year –A Section	Exclusive	72	1. Glass board 2. Student desks 3. Networking and Internet 4. Lights 5. Fans 6. LCD projector 7. Over Head Projector

Class Room No. EEEC4 210	II-Year –B Section)	Exclusive	72	1. Glass board 2. Student desks 3. Networking and Internet 4. Lights 5. Fans 6. LCD projector 7. Over Head Projector
Class Room No. EEEC5 309	III-Year –A Section	Exclusive	72	1. Glass board 2. Student desks 3. Networking and Internet 4. Lights 5. Fans 6. LCD projector 7. Over Head Projector
Class Room No. EEEC6 310	III-Year –B Section	Exclusive	72	1. Glass board 2. Student desks 3. Networking and Internet 4. Lights 5. Fans 6. LCD projector 7. Over Head Projector
Class Room No. EEEC7 307	IV-Year A	Exclusive	72	1. Glass board 2. Student desks 3. Networking and Internet 4. Lights 5. Fans 6. LCD projector 7. Over Head Projector
Class Room No. EEEC8 308	IV-Year B	Exclusive	72	1. Glass board 2. Student desks 3. Networking and Internet 4. Lights 5. Fans 6. LCD projector 7. Over Head Projector

Class Room No. EEEC8	Back up room Same class room for that sec.	Exclusive	72	1. Glass board 2. Student desks 3. Networking and Internet 4. Lights 5. Fans
Seminar Room No. EEES1 107	To organize programmes	Shared	150	1. PA systems 2. DLP 3. Screen 4. AC 5. Podium 6. Tables 7. Chairs 8. Student desks 9. Internet 10. LCD projector
Tutorial room EEET1	Study Same class room for that sec.	Shared	36	1. Glass board 2. Student desks 3. Lights 4. Fans
Tutorial room EEET2	Study Same class room for that sec.	Shared	36	1. Glass board 2. Student desks 3. Lights 4. Fans
Additional Work shop EEEWS1	For Preparation & Discussion	Shared	200	1. Glass board 2. Student desks 3. Lights 4. Fans
Faculty Rooms				
HOD Cabin & Office	For preparation & Relaxation	Exclusive	36 Sq.M.	Tables & Chairs, Safe Locker, Racks, PC, Internet
Faculty Room 1	For preparation & Relaxation	Exclusive (shared by 3 Members)	18 Sq.M.	Tables, Chairs, PC, Internet

Faculty Room 2	For preparation & Relaxation	Exclusive (shared by 3 Members)	18 Sq.M.	Tables, Chairs, PC, Internet
Faculty Room 3	For preparation & Relaxation	Exclusive (shared by 3 Members)	18 Sq.M.	Tables, Chairs, PC, Internet
Faculty Room 4	For preparation & Relaxation	Exclusive (shared by 3 Members)	18 Sq.M.	Tables, Chairs, PC, Internet
Faculty Room 5	For preparation & Relaxation	Exclusive (shared by 3 Members)	18 Sq.M.	Tables, Chairs, PC, Internet
Faculty Room 6	For preparation & Relaxation	Exclusive (shared by 3 Members)	18 Sq.M.	Tables & Chairs
Faculty Room 7	For preparation & Relaxation	Exclusive (shared by 3 Members)	18 Sq.M.	Tables & Chairs
Faculty Room 8	For preparation & Relaxation	Exclusive (shared by 3 Members)	18 Sq.M.	Tables & Chairs
Department Library & Reading Room 104	Faculty & Students	Exclusive	36 Sq.M.	PC, Bookracks, Tables & Chairs

d) Laboratories

Curriculum Lab Description	Exclusive use/Shared	Space (sqm)	No. of Students	No. of experiments	Quality of instruments	Lab manuals
Electro mechanics lab-I EEEL1 108	Exclusive	72	30	10	Highly sophisticated equipment	Available
Electro mechanics lab-II EEEL10 109	Exclusive	72	30	10	Highly sophisticated equipment	Available
Power Electronics Lab EEEL11 105	Exclusive	72	30	10	Highly sophisticated equipment	Available
Control Systems Lab EEEL2 209	Exclusive	72	30	10	Highly sophisticated equipment	Available
Electrical Measurements lab EEEL3 208	Exclusive	72	30	10	Highly sophisticated equipment	Available
Microprocessor & Microcontroller lab EEEL4 105	Shared	72	30	10	Highly sophisticated equipment	Available
Electrical circuit & simulation lab EEEL5 209	Exclusive	72	30	10	Highly sophisticated equipment	Available
Electrical technology lab EEEL6 108	Shared	72	30	10	Highly sophisticated equipment	Available
Basic electrical engineering lab EEEL7 108	Shared	72	30	10	Highly sophisticated equipment	Available
Electrical & electronics engineering lab EEEL8 108	Shared	72	30	10	Highly sophisticated equipment	Available

31. Number of students receiving financial assistance from college, university, government or other agencies

- 334 UG Students and 20 PG Students are receiving financial assistance from Govt. of Andhra Pradesh in form of scholarship and reimbursement tuition fee.
- 5 PG students are receiving GATE scholarship from AICTE.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

1. Career opportunities in research sector- Praveen Kumar Emmadisetti, Scientific officer, Kalpakkam.
2. Training program on SCILAB & OCTAVE----- Murali Krishna
3. Power Systems De-Regulation ----- Mr.T.Murali Mohan Asst. professor JNTUK
4. Modern Trends in Electrical Equipment----- Prof. K.V.Varma, AE Bhel HYD
5. National work shop on recent advances in Electrical Engineering, Dr .D.M.Vinod Kumar, Professor & Dean, NIT Warnagal, Dr.N.Yadaiah, Professor & HOD, JNTUH, HYD
6. Seminar on energy conversion awareness----- Mr.S.Ganapathi (SE/TRANSCO)

7. Fundamentals of semiconductors drives---- Dr.B.Brahmaiah, Dean R & D
& Professor of EEE, Gudalavalleru Engineering College.
8. Nationalworkshop on “Recent Advances in Power Systems Engg. and Applications of Research Tools”.
Dr. Sidhartha Panda. Professor, NIST, Berhampur, Orissa, Dr.K.Vaisakh, professor, A.U,
Visakhapatnam.

33. Teaching methods adopted to improve student learning

- 1 Chalk and Talk
- 2 OHP
- 3 LCD Projector
- 4 Intranet/Internet
- 5 Role play
- 6 Working model /visual charts
- 7 Digital Library
- 8 Video lectures
- 9 E-Class Room

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: We have NSS Unit

35. SWOC analysis of the department and Future plans

Strengths:

- Good number of best rankers are opting the branch
- Majority faculty members in the department are having M.Tech qualification
- The UG programme offered by the Dept. is accredited twice by NBA
- Good number of students are placed in reputed organizations

- Good infrastructure facilities
- Highly qualified and committed faculty
- Well established state of the art laboratories with systems of latest configuration and software

Weaknesses:

- R&D and consultancy activities to be improved
- Located in the rural area
- Lack of industry interaction
- Collaborative programs to be initiated

Opportunities:

- The graduates of EEE have multiple opportunities of placements both in hardware and software industry as well as in public sector.
- Student with better ranks are opting the course.
- In almost all colleges EEE branch is offered.
- Lot of opportunity for accepting consultancy and sponsored research activities

Challenges:

- Heavy competition as more number of colleges established in the state in general and particularly in Guntur district
- Students are opting for other core engineering branches like Civil, Mechanical as their first choice in recent times.
- Many of the seats are left unfilled in the course all over district/state.
- Lack of language proficiency among the students
- Poor quality of input due to more reservations and more colleges.

Future Plans:

- To improve Institute-Industry interaction
- To improve R&D activities.
- To attract quality students

Evaluative Report of ECE Departments

The **Department of Electronics and Communication Engineering** was started in the year 1998 with an intake of 40 students with one UG programme i.e., B.Tech. The intake was enhanced to 60 in 2000, 90 in 2001, 120 in 2007, 180 in 2011 and 240 in 2012. The department also offers two PG programmes i.e., M.Tech. (Digital Electronics and Communication Systems) which was started in the year 2004 with an intake of 18 students and M.Tech.(Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18 students. The UG programme of the department has been accredited by AICTE-NBA in the year 2009 and 2013. The institution is also certified as ISO 9001:2008 which includes the department.

The main objective of the department is to provide the best quality education at graduate and postgraduate level besides to encourage research and development, consultancy activities and consultant interaction with industries for achieving academic excellence.

The department has a team of highly well qualified and experienced teaching faculty and dynamic young staff. The faculty members are given ample opportunities for professional advancement by the department.

The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-art equipment and latest software. The department is equipped with the modern instruments and teaching aids to enhance the technical skills of the students. The department also has audio-visuals for effective teaching.

The department organizes industrial visits, guest lectures, seminars, workshops and symposiums to shape the Students into Engineers with all round expertise.

The department is headed by Dr. V. Venkata Rao who has 11 years of teaching experience, 2 years of research experience and 6 years of industrial experience. He has published 48 papers.



**Dr. V. Venkata Rao,
Professor & Head of ECE Dept.**

Department Summary

Short Term Goals

To include ethical, moral and value based education system in the institution.

To improve the students Academic performances to achieve 100% results.

To improve campus placements.

To develop domain specific expertise amongst department faculty

To develop product development facilities in the department

Long Term Goals

- To develop International leaders in Technology
- To encourage faculty to indulge in research activities
- To develop R&D center in the Department
- To emerge as a center of excellence and ultimately become a deemed university.

1. Name of the department: ECE

2. Year of Establishment: 1998

3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

Programme of Study	Description
Under Graduate Program in Electronics and Communication Engineering (B.Tech)	• Started with 40 intake in 1998 (F.No.: 730-50-263(E)/ET/98, Dated: 25th June, 1998) • Intake increased to 60 in 2000 (F.No.: 730-50-263(E)/ET/98, Dated: 7th November, 2000) • Intake increased to 90 in 2001 (F.No.: 730-50-263(E)/ET/98, Dated : 23rd July, 2001) • Intake increased to 120 in 2007 (F.No.: 730-50-263(E)/ET/98, Dated : 30th July, 2007) • Intake increased to 180 in the year 2011 (F.No.: South-Central/1- 403046151/2011/EOA, Dated: 1st September, 2011) • Intake increased to 240 in the year 2012 (F.No.: South-Central/1- 695250151/2012/EOA, Dated: 10th May, 2012) ❖ Accredited by NBA twice in 2009 and in 2013.

Post Graduate Program in Digital Electronics and Communication Systems (M.Tech.)	Started with 18 intake in 2004 (F.No.: PG/AP/M.TECH/2004/ECE-0069, Dated: 22nd July, 2004)
Post Graduate Program in Digital Systems and Computer Electronics (M.Tech.)	Started with 18 intake in 2006 (F.No: 730-50-263(E)/ET/98, Dated : 24th May, 2006)

4. Names of Interdisciplinary courses and the departments/units involved :

Engineering Drawing	: ME
Professional Ethics & Human Values	: MBA
Engineering Workshop & IT Workshop	: ME & CSE
Engineering Mechanics	: ME
Computer Programming	: CSE
Computer Programming Lab	: CSE
Computer Networks	: CSE
Managerial Economics and Financial Analysis	: MBA
Management Science	: MBA
Intellectual Property Rights& Patents-I	: MBA
Intellectual Property Rights & Patents– II	: MBA
Electrical Technology	: EEE
Network Analysis	: EEE
Networks and Electrical Technology Lab	: EEE
Computer Architecture and Organization	: CSE
Object Oriented Programming	: CSE
Network Security & Cryptography	: CSE
Operating Systems	: CSE
Real-Time Operating Systems	: CSE

5. Annual/semester/choice based credit system (programme wise):

Programme of Study	Description
Under Graduate Program in Electronics and Communication Engineering (B.Tech)	8 Semesters
Under Graduate Program in Electronics and Communication Engineering (B.Tech)	4 Semesters
Post Graduate Program in Digital Systems and Computer Electronics (M.Tech.)	4 Semesters

6. Participation of the department in the courses offered by other departments:

Electronic Devices and Circuits	:	CSE, EEE, IT
Electronic Devices and Circuits Lab	:	CSE, EEE, IT
Electrical and Electronics Engineering Lab	:	ME
Digital Logic Design	:	CSE, IT
Microprocessors and Microcontrollers	:	EEE
Linear and Digital IC Applications	:	EEE
Microprocessors and Microcontrollers Lab	:	EEE

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : -NIL-

8. Details of courses/programmes discontinued (if any) with reasons : -NA-

9. Number of Teaching posts

Post	Sanctioned	Filled
Professors	6	6
Associate Professors	10	11
Asst. Professors	22	22

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M. Phil. etc.,)

S.No	Name of the Faculty	Qualification University and year of graduation			Designation and Date of Joining the Institution	Distribution of teaching load (%)			Number of research publications in journals and conferences since joining	IPRs	R & D and Consultancy work with amount	Holding an incubation unit	Inter-action with outside world
		UG	PG	Ph.D.		1 st Yr	UG	PG					
1	Dr. B.V. Rama Mohana Rao	B.Tech NU & 1988	M.Tech, IIT, Kharagpur & 1994	Ph.D., IIT Kharagpur & 2000	Professor and Principal 05-03-2001	-	-	-	IJ: 7 IC: 5	-	Yes	-	Yes
2	Dr. V. Venkata Rao	B.E., Karnatak University & 1992	M.E., OU & 1999	Ph.D., JNTUH & 2011	Professor and Head & 24-11-2011	-	75	25	IJ: 7 IC: 4 NJ: 2 NC: 3	-	Yes	-	Yes

3	Dr. M. VenuGopala Rao	AMIEITE, IETE & 1996	M.Tech. REC, Warangal & 1999	Ph.D., OU & 2011	Professor & 09-07-2003	-	75	25	IJ: 10 IC: 1	-	Yes	-	Yes
4	Dr. P. Subbaiah	B.Tech., SKU & 1992	M.Tech. JNTU & 2002	Ph.D., SKU & 2007	Professor & 19-04-2011	-	-	100	IJ: 5	-	Yes	-	Yes
5	Dr. D. Venkata Rao	AMIE, The IE (India) & 1992	M.Tech. JNTU & 1999	Ph.D., JNTU & 2008	Professor & 15-02-2013	-	-	100	IJ: 5 IC: 2 NJ: 1 NC: 4	-	-	-	-
6	Ms.V.S.R. Kumari	B.Tech., ANU & 1989	M.E. Andhra University & 1999	(Ph.D.) AU	Professor & 21-08-2006	-	-	100	IJ: 1	-	Yes	-	Yes
7	Mr. J.V.K. Ratnam	AMIE, The IEI & 1993	M.E., SRTMU, Nanded & 1999	-	Assoc. Prof.& 06-06-2011	-	100	-	IJ: 3 IC: 3	-	Yes	-	Yes
8	Mr. P.S.S. Chakravarthy	B.Tech, SVU & 1993	M.Tech. JNTUK & 2011	-	Assoc. Prof.& 30-04-2012	-	100	-	IJ: 2	-	-	-	Yes
9	Mr. J. Narasimha Rao	B.Tech., ANU & 1999	M.Tech. JNTU & 2004	(Ph.D.) ANU	Assoc. Prof. & 01-06-2012	-	100	-	IJ: 2	-	-	-	Yes
10	Mr. B. Manjula	B.Tech, ANU & 2000	M.Tech. JNTUK & 2008	(Ph.D.) JNTUH	Associate Professor & 01-08-2007	-	50	50	IJ: 4 IC: 1	-	Yes	-	Yes
11	Mr. P. BalaMurali Krishna	B.Tech., AU & 2001	M.Tech. JNTUK & 2008	(Ph.D.) JNTUK	Associate Professor & 10-11-2008	-	100	-	-	-	-	-	Yes
12	Mr. S. Vidya Rani	B.Tech, ANU & 2004	M.Tech. JNTUH & 2010	(Ph.D.) JNTUH	Associate Professor & 10-05-2012	-	100	-	IJ: 1	-	-	-	Yes
13	Mr. P. Ashok	B.Tech, ANU & 2006	M.Tech. JNTUK & 2009	-	Associate Professor & 01-02-2013	-	25	75	-	-	-	-	-
14	Mr. Z. Vazraiah	B.Tech., JNTU & 2004	M.Tech. JNTUA & 2011	-	Associate Professor & 05-02-2013	-	25	75	-	-	-	-	-

15	Mr. S. Koteswara Rao	B.Tech., JNTU & 2002	M.Tech. JNTUK & 2008	(Ph.D.) JNTUK	Associate Professor & 05-02-2013	-	-	100	IJ: 6 IC: 3 NC: 5	-	-	-	-
16	Mr. M. Venkata Sudhakar	B.Tech., AU & 2002	M.Tech, BIHER, Chennai & 2005	(Ph.D.) JNTUK	Associate Professor & 10-03-2013	-	-	100	-	-	-	-	-
17	Ms. S. Sree Chandra	B.Tech., JNTUA & 2000	M.Tech. JNTUK & 2010	-	Associate Professor & 12-03-2013	-	-	100	IJ: 1	-	-	-	-
18	Mr. YadavalliMurali Krishna	B.Tech., JNTU & 2007	M.Tech. JNTUK & 2011	-	Assistant Professor & 03-09-2010	-	100	-	IJ: 1	-	-	-	-
19	Mr. PullaguraBhagya Raju	B.Tech., JNTU & 2008	M.Tech. JNTUK & 2011	-	Assistant Professor & 01-06-2011	-	100	-	IJ: 1 IC: 1	-	Yes	-	Yes
20	Mr. AddankiSrinu	B.Tech., JNTU & 2008	M.E., AU & 2011	-	Assistant Professor & 03-06-2011	-	100	-	IJ: 1	-	Yes	-	Yes
21	Ms. P. PadmajaPriyada rsini	B.Tech., JNTU & 2007	M.Tech. JNTUK & 2011	-	Assistant Professor & 04-05-2012	-	100	-	IJ: 1	-	-	-	-
22	Mr. N. Srinivasa Rao	B.Tech., JNTU & 2008	M.Tech. JNTUK & 2011	-	Assistant Professor & 05-05-2012	-	100	-	-	-	-	-	-
23	Mr. B. Raja Sekhar	B.Tech., JNTUK & 2009	M.Tech. JNTUK & 2011	-	Assistant Professor & 07-05-2012	-	100	-	-	-	-	-	-
24	Mr. V. Naga Raju	B.Tech., JNTUK & 2010	M.Tech. JNTUK & 2012	-	Assistant Professor & 07-05-2012	-	100	-	-	-	-	-	-
25	Mr. Y.V. Lakshmaiah	B.Tech., JNTU & 2007	M.Tech. NIT, Warang al & 2010	-	Assistant Professor & 09-05-2012	-	100	-	-	-	-	-	-
26	Mr. Sk. ZuberBasha	B.Tech., JNTUK & 2009	M.Tech. JNTUK & 2011	-	Assistant Professor & 22-05-2012	-	100	-	-	-	-	-	-
27	Mr. M. Sreedhar	B.Tech., JNTU & 2006	B.Tech., JNTUH & 2011	-	Assistant Professor & 25-05-2012	-	100	-	-	-	-	-	-

28	Ms. B. Rajya Lakshmi	B.Tech., JNTU & 2003	M.Tech. JNTUK & 2011		Assistant Professor & 01-02-2013	-	100	-	-	-	-	-	-
29	Mr. D. Raghava Reddy	B.E., Anna University & 2007	B.E., Anna University & 2009	-	Assistant Professor & 05-02-2013	-	100	-	-	-	-	-	-
30	Mr. M. Srinivasa Rao	B.Tech., JNTUK & 2007	M.Tech., JNTUK & 2012	-	Assistant Professor & 06-05-2013	-	100	-	IJ: 2 IC: 1	-	-	-	-
31	Mr. N. SayeduKhasim	B.Tech, ANU & 2007	B.Tech, ANU & 2010	-	Assistant Professor & 08-05-2013	-	100	-	IJ: 6	-	-	-	-
32	Mr. Sk. John Saida	B.Tech., JNTUK & 2010	M.Tech. JNTUK & 2012	-	Assistant Professor & 08-05-2013	-	100	-	IJ: 2	-	-	-	-
33	Mr. V. Naveen Raja	B.Tech., JNTU & 2007	M.Tech. JNTUK & 2013	-	Assistant Professor & 15-05-2013	-	100	-	-	-	-	-	-
34	Mr. BanavathuVagya Naik	B.Tech., ANU & 2007	M.Tech. JNTUK & 2013	-	Assistant Professor & 18-06-2007	-	100	-	-	-	-	-	-
35	Mr. NuthakkiKoteswara Rao	B.Tech., ANU & 2008	M.Tech. JNTUK & 2013	-	Assistant Professor & 10-06-2009	-	100	-	-	-	-	-	-
36	Ms. VeluriSubhamkari	B.Tech., JNTU & 2008	M.Tech. JNTUK & 2013	-	Assistant Professor & 01-10-2009	-	100	-	-	-	-	-	-
37	Mr. G. Sai Ganesh	B.Tech., JNTUK & 2011	M.Tech. JNTUK & 2013	-	Assistant Professor & 25-05-2012	-	100	-	-	-	-	-	-
38	Ms. Ch. Krishna Priya	B.E., Anna University & 2007	M.Tech. JNTUK & 2013	-	Assistant Professor & 02-05-2013	-	100	-	-	-	-	-	-
39	Ms.P.U.L.Kiranmai	B.Tech, JNTUK & 2012	--	-	Assistant Professor & 2.1.2014	-	100	-	-	-	-	-	-

11. List of senior visiting faculty:

-NIL-

12. Percentage of lectures delivered and practical classes handled(programme-wise) by temporary faculty:

-NIL-

13. Student -Teacher Ratio(programme wise):

Year	STR
CAYm2 (2010-11)	15
CAYm1 (2011-12)	13.84
CAY (2012-13)	13.54

Number of academic support staff (technical) and administrative staff; sanctioned and filled : 9 technical staffs.

S. No.	Name of the Tech. Staff	Designation (Pay-scale)	Exclusive/ Shared Work?	Date of Joining	Qualification		Other Technical Skills gained?	Responsibility
					At Joining	Present		
1	Mr. B. Koteswara Rao	Lab Technician	Exclusive	13-12-1999	DECE	Pursuing AMIETE	Awareness in various softwares such as MATLAB, MultiSim, Xilinx, MS-Office and Microprocessors and Microcontrollers.	a) Looking the day-to-day activities in the Lab b) Maintenance of the Lab
2	Mr. Y. BalaSwamy	Lab Technician	Exclusive	05-07-2004	DECE	-	Awareness in various softwares such as MATLAB, MultiSim, MS-Office.	a) Looking the day-to-day activities in the Lab b) Maintenance of the Lab
3	Mr. K. Srinivasa Rao	Lab Technician	Exclusive	02-09-2002	DECE	B.Tech.	Awareness in various softwares such as MATLAB, MultiSim, MS-Office and Micro-processors & Microcontrollers.	a) Looking the day-to-day activities in the Lab b) Maintenance of the Lab

4	Mr. DasariPeerai ah	Lab Technician	Exclusive	14-07-2003	ITI (Electronics)	Pursuing DECE	Awareness in various softwares such as MATLAB, MS-Office and Microprocessors & Microcontrollers.	a) Looking the day-to-day activities in the Lab b) Maintenance of the Lab
5	Mr. G.S.J. Victor	Lab Technician	Exclusive	01-08-2011	DECE	-	Awareness in various softwares such as MS-Office and Micro processors& Microcontrollers.	a) Looking the day-to-day activities in the Lab b) Maintenance of the Lab
6	Ms. K. Venkayamma	Lab Technician	Exclusive	09-07-2012	DECE	-	Awareness in various softwares such as MS-Office and Micro-processors & Microcontrollers.	a) Looking the day-to-day activities in the Lab b) Maintenance of the Lab
7	Mr. M. Ramesh	Lab Technician	Exclusive	06-02-2013	ITI	-	Awareness in various softwares such as MS-Office and Micro-processors & Microcontrollers.	a) Looking the day-to-day activities in the Lab b) Maintenance of the Lab
8	Mr. R. Sambasiva Rao	Lab Technician	Exclusive	29-07-2013	ITI	-	Awareness in Telephone repairing.	a) Looking the day-to-day activities in the Lab b) Maintenance of the Lab
9	Mr. GadeVenkateswara Rao	Junior Assistant	Exclusive	01-05-2013	B.Sc.	-	Data entry operation	Office work in the department
10	Mr. D. Chanti	Attender	Exclusive	06-02-2013	SSC	-	-	Assistance in departmental ministerial work

14. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

S.No	Name of the Faculty	Qualification University and year of graduation			Designation and Date of Joining the Institution
		UG	PG	Ph.D.	
1	Dr. B.V. Rama Mohana Rao	B.Tech., NU & 1988	M.Tech., IIT Kharagpur & 1994	Ph.D., IIT Kharagpur & 2000	Professor and Principal & 05-03-2001
2	Dr. V. Venkata Rao	B.E., Karnatak University & 1992	M.E., OU & 1999	Ph.D., JNTUH & 2011	Professor and Head & 24-11-2011
3	Dr. M. VenuGopala Rao	AMIE, IETE & 1996	M.Tech., REC, Warangal & 1999	Ph.D., OU & 2011	Professor & 09-07-2003
4	Dr. P. Subbaiah	B.Tech., SKU & 1992	M.Tech., JNTU & 2002	Ph.D., SKU & 2007	Professor & 19-04-2011
5	Dr. D. Venkata Rao	AMIE, The IE (India) & 1992	M.Tech., JNTU & 1999	Ph.D., JNTU & 2008	Professor & 15-02-2013
6	Ms.V.S.R. Kumari	B.Tech., ANU & 1989	M.E. AndhraUniversity & 1999	(Ph.D.), AU	Professor & 21-08-2006
7	Mr. J.V.K. Ratnam	AMIE, The IEI & 1993	M.E., SRTMU, Nanded & 1999	-	Professor & 06-06-2011
8	Mr. P.S.S. Chakravarthy	B.Tech, SVU & 1993	M.Tech. JNTUK & 2011	-	Professor & 30-04-2012
9	Mr. J. Narasimha Rao	B.Tech., ANU & 1999	M.Tech., JNTU & 2004	(Ph.D.), ANU	Professor & 01-06-2012
10	Mr. B. Manjula	B.Tech, ANU & 2000	M.Tech., JNTUK & 2008	(Ph.D.), JNTUH	Associate Professor & 01-08-2007
11	Mr. P. BalaMurali Krishna	B.Tech., AU & 2001	M.Tech., JNTUK & 2008	(Ph.D.), JNTUK	Associate Professor & 10-11-2008
12	Mr. S. Vidya Rani	B.Tech, ANU & 2004	M.Tech., JNTUH & 2010	(Ph.D.), JNTUH	Associate Professor & 10-05-2012
13	Mr. P. Ashok	B.Tech, ANU & 2006	M.Tech., JNTUK & 2009	-	Associate Professor & 01-02-2013

14	Mr. Z. Vazraiah	B.Tech., JNTU & 2004	M.Tech., JNTUA & 2011	-	Associate Professor & 05-02-2013
15	Mr. S. Koteswara Rao	B.Tech., JNTU & 2002	M.Tech., JNTUK & 2008	(Ph.D.), JNTUK	Associate Professor & 05-02-2013
16	Mr. M. Venkata Sudhakar	B.Tech., AU & 2002	M.Tech., BIHER, Chennai & 2005	(Ph.D.), JNTUK	Associate Professor & 10-03-2013
17	Ms. S. Sree Chandra	B.Tech., JNTUA & 2000	M.Tech., JNTUK & 2010	-	Associate Professor & 12-03-2013
18	Mr. YadavalliMurali Krishna	B.Tech., JNTU & 2007	M.Tech., JNTUK & 2011	-	Assistant Professor & 03-09-2010
19	Mr. PullaguraBhagya Raju	B.Tech., JNTU & 2008	M.Tech., JNTUK & 2011	-	Assistant Professor & 01-06-2011
20	Mr. AddankiSrinu	B.Tech., JNTU & 2008	M.E., AU & 2011	-	Assistant Professor & 03-06-2011
21	Ms. P. PadmajaPriyadarsini	B.Tech., JNTU & 2007	M.Tech., JNTUK & 2011	-	Assistant Professor & 04-05-2012
22	Mr. N. Srinivasa Rao	B.Tech., JNTU & 2008	M.Tech., JNTUK & 2011	-	Assistant Professor & 05-05-2012
23	Mr. B. Raja Sekhar	B.Tech., JNTUK & 2009	M.Tech., JNTUK & 2011	-	Assistant Professor & 07-05-2012
24	Mr. V. Naga Raju	B.Tech., JNTUK & 2010	M.Tech., JNTUK & 2012	-	Assistant Professor & 07-05-2012
25	Mr. Y.V. Lakshmaiah	B.Tech., JNTU & 2007	M.Tech., NIT, Warangal & 2010	-	Assistant Professor & 09-05-2012

26	Mr. Sk. ZuberBasha	B.Tech., JNTUK &2009	M.Tech., JNTUK &2011	-	Assistant Professor & 22-05-2012
27	Mr. M. Sreedhar	B.Tech., JNTU & 2006	B.Tech., JNTUH & 2011	-	Assistant Professor & 25-05-2012
28	Ms. B. Rajya Lakshmi	B.Tech., JNTU & 2003	M.Tech., JNTUK & 2011		Assistant Professor & 01-02-2013
29	Mr. D. Raghava Reddy	B.E., Anna University & 2007	B.E., Anna University & 2009	-	Assistant Professor & 05-02-2013
30	Mr. M. Srinivasa Rao	B.Tech., JNTUK & 2007	M.Tech., JNTUK & 2012	-	Assistant Professor & 06-05-2013
31	Mr. N. SayeduKhasim	B.Tech, ANU & 2007	B.Tech, ANU & 2010	-	Assistant Professor & 08-05-2013
32	Mr. Sk. John Saida	B.Tech., JNTUK & 2010	M.Tech., JNTUK & 2012	-	Assistant Professor & 08-05-2013
33	Mr. V. Naveen Raja	B.Tech., JNTU & 2007	M.Tech., JNTUK & 2013	-	Assistant Professor & 15-05-2013
34	Mr. BanavathuVagyaNaik	B.Tech., ANU &2007	M.Tech., JNTUK & 2013	-	Assistant Professor & 18-06-2007
35	Mr. NuthakkiKoteswara Rao	B.Tech., ANU & 2008	M.Tech., JNTUK & 2013	-	Assistant Professor & 10-06-2009
36	Ms. VeluriSubhamkari	B.Tech., JNTU & 2008	M.Tech., JNTUK & 2013	-	Assistant Professor & 01-10-2009
37	Mr. G. Sai Ganesh	B.Tech., JNTUK & 2011	M.Tech., JNTUK & 2013	-	Assistant Professor & 25-05-2012

38	Ms. Ch. Krishna Priya	B.E., Anna University & 2007	M.Tech., JNTUK & 2013	-	Assistant Professor & 02-05-2013
39	Ms.P.U.L.Kiranmai	B.Tech, JNTUK & 2012	-	-	Assistant Professor & 2.1.2014

15. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: -NIL-

16. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:

AICTE sponsored SEMINAR GRANT of Rs. 1,00,000

(F.No.: 7-286/RIFD/SG/POLICY-1/2013-14, Dated July 29th, 2013)

17. Research Centre /facility recognized by the University:

-NA-

18. Publications:

- * a) Publication per faculty
- * Number of papers published in peer reviewed journals (national/international) by faculty and students
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Monographs
- * Chapter in Books
- * Books Edited
- * Books with ISBN/ISSN numbers with details of publishers
- * Citation Index
- * SNIP
- * SJR
- * Impact factor
- * h-index
- * **Number of papers published in peer reviewed journals (national/international) by faculty:**

Dr. B.V. Rama Mohana Rao : 7

INTERNATIONAL JOURNALS:

1. D.AshokKumar,B.Manjula,K.MuraliKrishna and Dr.B.V.RamaMohanaRao,"*Analysis of OFDM System Using A Novel MIMO Technique*",International Journal of Latest Trends In Computing(E-ISSN:2045-5364) 294 Volume 2, Issue 2,June 2011.
2. Md.Zia-Ur-Rahman,Sk.KhajaMohedden, Dr.B.V.RamaMohanaRao,Y.Jaipal Reddy and G.V.S.Karthik,"*Filtering Non-Stationary Noise In Speech Signals Using Computationally Efficient Unbiased And Normalized Algorithm*", International Journal on Computerscience and Engineering,ISSN:0975-3397,Vol-3,PP.1106-1113,March 2011.

3. K.Prameela, M.AjayKumar, Md.Zia-Ur-Rahman and Dr.B.V.RamaMohanaRao,"*Non Stationary Noise Removal From Speech Signals Using Variable Step Size Strategy*", International Journal of Computerscience and Communication Networks,Vol(1),September-October 2011.
4. B.Rajasekhar Reddy, Md.Zia-Ur-Rahman,M.AjayKumar,T.Anusha,K.Murali Krishna, Dr.B.V.RamaMohanaRao,"*Speech Enhancement Using Kalman Based Adaptive Filtering Techniques*,"International Journal of latest trends in Computing,(E-ISSN;2045-5364)276 Volume 2,Issue 2,June 2011.
5. J.Divya,K.MuraliKrishna,M.Ajay Kumar and Dr.B.V.RamaMohanaRao,"*Implementation of a complex arithmetic operation using Twin Precision*," International Journal of Communication Engineering Application,ISSN:2230-8563,vol 02,Issue 03;August 2011.
6. Y.MuraliKrishna, Md.Zia-Ur-Rahman and Dr.B.V.RamaMohanaRao,"*Beam Steering in Smart Antennas Using An Efficient Adaptive Signal ProceesingAlgorithm*,"International Journal Of Research and Processing(IJRRSAP),Vol.1,No 3,SEP 2011,(ISSN:2046:617X).
7. Sk.NoreJohnyBasha,Mohammad Zia-Ur-Rahman,Dr.B.V.RamaMohanaRao,"*Noise Removal From Electrocardiogram Signals Using Leaky and Normalized Version of Adaptive Noise Canceller*", International Journal of Computer Science & Communication Networks, Vol 1(1),September-October 2011.

Dr. V. Venkata Rao : 9

INTERNATIONAL JOURNALS :

1. Faarok.Syed, **Dr. V. VenkataRao**,"*Self-Immunity Technique to Improve Register File Integrity*", International Journal of Advanced Research in Computer Science and Electronics Engineering (IJARCSEE),Vol-1, Issue 8, October 2012.
2. B.Padmavathi, AddankiSrinu, JagadeeshThati,**Dr.V. Venkata Rao**,"*Investigation of Iterative Decoding For Turbo Codes Using Highest A Posteriori Algorithm*", IJAIR,ISSN No: 2278-7844,2012.
3. B.BalojiNaik, **Dr. V. Venkata Rao**,"*Peak- and Average –Power Reduction in Check-Based BIST by using Bit-Swapping LFSR and Check-Chain Ordering*",IOSR Journal of Computer Engineering, Vol-4,Issue 4,Sep-Oct. 2012.
4. Mohammed Umar Shaik, **Dr. V. Venkata Rao**,"*Pulse Compression Techniques of Phase Coded Waveforms in Radar*",International Journal of Scientific and Engineering Research Volume 3, Issue 8,August-2012.
5. LavanyaBandamneni, **Dr. V. Venkata Rao**, "*Colour Extended Visual Cryptography Using Error Diffusionfor High Visual Quality Shares*", International Journal of Electronics and Computer Science Engineering, ISSN No:2277-1956,2012.
6. JagadeeshThati, T.B.Prasadh Reddy and **V.Venkata Rao**, "*Speech Recognition Using Hybrid Algorithm*", International Journal of Advances in Science and Technology, Vol. 3, No.2, **2011**
7. **V. Venkata Rao**, G. Sasibhushana Rao, M. MadhaviLatha, Y. Ravi Kumar and K. V. N. M. Prasad, "*Analysis of Relativistic Error Effect on the GPS Time and the Receiver Position Accuracy*",The CIIT International Journal of Wireless Communication, Vol. 2, No. 9, Sept. 2010, pp. 318-324.

NATIONAL JOURNALS:

1. **V. Venkata Rao**, G. Sasibhushana Rao and M. MadhaviLatha, "*Receiver Position error Analysis Using PointSolution Approach Algorithm*", The IUP Journal of Telecommunications, Vol. II, No. 4, November 2010, pp.33- 39.
2. **V. Venkata Rao**, G. Sasibhushana Rao, M. MadhaviLatha and M. N. V. S. S. Kumar, "*GPS Position Error Analysis for Precise Surveying and GAGAN Applications Over the Indian Subcontinent*", TheJournalofIndian Geophysical Union, Volume 14, No. 4, October, 2010, pp. 259-264.

Dr. P.Subbaiah : 4

INTERNATIONAL JOURNALS :

1. V.Ramesh, **Dr. P. Subbaiah**, K.SangeethaSupriya,"*Load Balancing: Energy Management Scheme for Preemptive DSR to Increase Packet Delivery Ratio & to Decrease Delay*", International Journal of Engineering and Technology, Vol-4, Issue 6, Dec 2012.
2. V.Ramesh, **Dr. P. Subbaiah**, "*Energy Efficient Preemptive Dynamic Source Routing ProtocolFor MANET*", International Journal of Computer Engineering and Technology(IJCET), 3(1), 213-222, 2012.
3. PoduguSrinivasarao, **Dr. P. Subbaiah**, "*Decoupled Control Strategy for Quadruple Tank Process*"CiIT International journal of Programmable Device Circuits and Systems",ISSN 0974-9624,May 2012.
4. Ramesh PalaKeerthi, **Dr. P. Subbaiah**, "*FLC Based Speed Control of SR Motor Neural Network Based Rotor-Angle Estimation* ", CIIT International journal of Programmable Device Circuits and Systems,ISSN 0974-9624,May 2012.

Dr. D. Venkata Rao : 9

INTERNATIONAL JOURNALS:

1. Ch.Sreenivasa Rao, D.Venkata Rao et.al., "*Real-time DSP implementation of audio crosstalk cancellation using mixed uniform partitioned convolution*", Signal Processing: An International Journal, October 2012, volume 6, issue 4, 2012, pp 118-127.
2. N.Usharani, **D.Venkata Rao** et.al, "*Optimum regularized joint registration and segmentation method for medical brain images*", International Journal of Advanced Research in Computer Science", vol. 2 , issue 6, Dec 2011, pp 176-180
3. N.Usharani, **D.Venkata Rao** et al., "*Optimal segmentation of brain tumors using DRLSE level set*", International Journal of Computer Applications, Vol.29, no.9, pp6-11, Sept' 2011.
4. N.Usharani, **D.Venkata Rao** et al., "*Optimized discretization schemes for brain images*", International Journal of Engineering Science and Technology, pp 843-848, March 2011.
5. **D.Venkata Rao** et.al. "*Dynamic Threshold and Fast Motion Estimation Algorithm Based on PSO for H.264's Scene Change Detection*", International Journal of Computer Science and Network Security, pp166-171. Vol.11, No.5, May 20011.

6. D.Venkata Rao, L.Pratap Reddy, "Weighted Structural Similarity Based on Edge Strength for Image Quality Assessment", International Journal of Computer Theory and Engineering, Vol.1, Number 2, June 2009, pp138-141.
7. D.Venkata Rao, N.Sudhakar, B.R.Babu, L.PratapReddy., "An image quality assessment technique based on visual regions of interest weighted structural similarity", *ICGST international journal on Graphics Vision and Image Processing (GVIP)*, vol 6, issue 2, pp 69-75, September 2006.
8. D.Venkata Rao, L.Pratap Reddy, "No reference measurement of blocking artifacts in JPEG Compressed images", *International Journal of Systemics, Cybernetics and Informatics*, pp108-113, January 2006.

NATIONAL JOURNALS/CONFERENCES

1. Ch.Sreenivasa Rao, D.Venkata Rao et.al, "Optimal implementation methods for audio crosstalk cancellation on DSP processors", Indian Journal of Computer Science and Engineering, volume 3, Apr-May 2012, pp 312-318.

Dr. M. VenuGopala Rao : 10

INTERNATIONAL JOURNALS:

1. P.Hari Krishna Prasad, **Dr.M.VenugopalaRao**, "Design of Efficient Low Voltage High Current DC TO DC Power Supply", International Journal of Engineering Research and Applications(IJERA), Vol-2, Issue 2, Mar-Apr 2012, pp.1565-1570.
2. A.Lalitha, P.Bhagya Raju, **Dr.M.VenugopalaRao**, "Locally Adaptive Probabilistic Wavelet Shrinkage Algorithms and Application To Colour Image Denoising" International Journal of innovative Research and Development, Vol 1, Issue 5, August-2012.
3. Ms.Kamala.K, Mr.P.S.S.Chakravarthi, **Dr.M.Venugopala Rao**, "Content Based Image Retrieval Using Discrete Curvelet Transform", IOSR Journal of Computer Engineering, Volume 3, Issue 4, July-August 2012.
4. A.V.P.Sarvani, P.S.S.Chakravarthi, **Dr.M.Venugopala Rao** "Efficient deconvolution Algorithm", International Journal of Electronics Engineering, Volume 1, Issue 6, August 2012.
5. SasiRekha.Sanivarapu, P.PadmajaPriyadarsini, **Dr.M.VenugopalaRao**, "Low Complexity Expert Dependent Noise Filtration Algorithm", International Journal of Computer Science & Communication Networks, Vol 2(3), 328-333.
6. B.Venkata Siva Kumari, JVK.Ratnam, **M.VenugopalaRao**, "Advanced Speaker verification System Using Wavelets", GJCAT, Vol-1(4), 721-724, 2011.
7. 'Features Preserved Medical Image Denoising Using Steered Complex Shrinkage Algorithm,' International Journal of Electronics Engineering (IJEE), 1(1), pp.19-26 Jan 2009.
8. 'BiComForWaRD: Bivariate Complex Fourier Wavelet Regularized Deconvolution for medical imaging,' International Journal of Computational Intelligence and Applications (IJCIA), Vol: 8, Issue: 2, pp.85-95, Jun 2009.
9. 'Denoising Algorithms for Vector-Valued Images using GCM Models', International Journal of Advanced Science and Technology, Special Issue-1, Vol-3, No.3, p65-74, Oct-Nov, 2011.

10. 'PoWer: Polar Wavelet-Gaussian Filter for Ring Artifacts suppression in CT Imaging Systems', International Journal of Computer Science & Communication Networks, Vol 1(2), 186-195, ISSN:2249-5789, November, 2011.

Mr.J.V.K. Ratnam : 4

INTERNATIONAL JOURNAL:

1. A.Suneel Kumar Reddy, **J.V.K.Ratnam**, " *Image Segmentation Using Texture Feature*", International Journal of Electronics and Computer Science Engineering(IJECSE),ISSN 2277-1956/V1N3-1160-1162,2012.
2. Ch. AdiBabu, **J.V.K.Ratnam**, " *Feature-Based Retinal Image Registration*", International Journal of advanced Technology & Engineering Research(IJATER),Volume 2, Issue 4, ISSN No: 2250-3536, July 2012.
3. Chandra Sekhar.CH, **J.V.K.Ratnam**, " *Comparison of Fast Block Matching Algorithms for Motion Estimation*", International Journal of Electronics and Computer Science Engineering(IJECSE),ISSN-2277-1956,2012.
4. B.Venkata Siva Kumari, **J.V.K.Ratnam**, M.Venugopala Rao," *Adavanced Speaker Verification System UsingWavelets*", GJCAT, Volume1(4),2011, ISSN:2249-1945, PT:721-724.

Ms.V.S.R.Kumari

INTERNATIONAL JOURNALS:

1. **V.S.R.Kumari**, P.RajeshKumar,"Performance Evaluation of Boosting Techniques for CardiacArrhythmia Prediction", International Journal of Computer Applications, 57(17):18-22, November 2012.

Mr.P.S.S.Chakravarthi : 2

INTERNATIONAL JOURNALS:

1. Ms.Kamala.K, Mr.P.S.S.Chakravarthi,Dr.M.VenugopalaRao," *Content Based Image Retrieval Using Discrete Curvelet Transform*", IOSR Journal of Computer Engineering, Volume 3, Issue 4, July-August 2012.
2. Mrs.A.V.P.Sarvani, Mr.P.S.S.Chakravarthi, Dr.M.Venugopala Rao " *Efficient deconvolution Algorithm*", International Journal of Electronics Engineering, Volume 1, Issue 6, August 2012

Mr. J. Narasimharao: 2

INTERNATIONAL JOURNALS:

1. MinhazShaik, J.Narasimha Rao," *A Novel Edge preserving Technique Using Interpolation Algorithm*" International Journal of Innovative Research and Development, Vol-1,Issue 5,August-2012.
2. Ramesh Dumala, J.NarasimhaRao," *Comparative analysis of Selected Mapping Algorithm With Out Side Index, Clipping and Differential Scaling In SFBC OFDM*", International Journal of advanced Technology & Engineering Research(IJATER), Volume 2, Issue 4, July 2012.

Ms. S. Vidya Rani

INTERNATIONAL JOURNALS:

1. Laxmi Murthy Davala, S.VidyaRani,"*Directional Linear Minimum Mean Square-Error Estimation in Colour Demosaicking*", International Journal of advanced Technology & Engineering Research(IJATER),Volume 2, Issue 4, July 2012.

Ms. B. Manjula : 4

INTERNATIONAL JOURNALS:

1. M.Hari Krishna, **B.Manjula**, "*A Novel Approach for Image Enhancement Technique Based on Thumbnails*", International Journal of Current Engineering Research, Vol-2, Issue-2, March-April 2012.
2. M.KhadarKiran, **B.Manjula**, "*Design of Pipelined quadratic Function Implementation*", International Journal of Electronics and Computer Science Engineering(IJECSE), ISSN 2277-1956, 2012.
3. D.Ashok Kumar, **B.Manjula**, K.MuraliKrishna and Dr.B.V.RamaMohana Rao," *Analysis of OFDM System Using A Novel MIMO Technique*", International Journal of Latest Trends In Computing (E-ISSN: 2045-5364)294 Volume 2, Issue 2, June **2011**.
4. A.Ravesha, R.Sri Ram Reddy, **B.Manjula** and Md.Zia-Ur-Rahman, "*An efficient Beacon localization technique in indoor environments*", CIT International Journal of Engineering and research, Volume 1, No.1, Nov-Feb 2010-2011, at Chattisgarh.

Mr. Y. Murali Krishna

INTERNATIONAL JOURNAL:

1. **Y.MuraliKrishna**, Md.Zia-Ur-Rahman and Dr.B.V.RamaMohanaRao,"*Beam Steering in Smart Antennas Using An Efficient Adaptive Signal Processing Algorithm*", "International Journal Of Research and Processing(IJRRSAP), Vol.1, No 3, SEP **2011**, (ISSN:2046:617X).

Mr. P. Bhagya Raju

INTERNATIONAL JOURNAL:

1. A.Lalitha, **P.Bhagya Raju**, M.VenuGopala Rao. "*Locally Adaptive Probabilistic Wavelet Shrinkage Algorithms And Applications To Colour Image Denoising*", International Journal of Innovative Research and Development, Vol-1, Issue 5, August-2012.

Mr.A.Srinu

INTERNATIONAL JOURNAL:

1. B.Padmavathi, **AddankiSrinu**, JagadeeshThati, Dr. V. Venkata Rao, "*Investigation of Iterative Decoding For Turbo Codes Using Highest A Posteriori Algorithm*", IJAIR, ISSN No: 2278-7844, 2012.

Ms.P.PadmajaPriyadarsini

INTERNATIONAL JOURNAL:

1. SasiRekhaSanivarapu, **P.PadmajaPriyadarsini**, Dr.M.Venugopala Rao, "*Low Complexity Expert Dependent Noise Filtration Algorithm*", International Journal of Computer Science & Communication Networks, Vol 2(3), 328-333.

Mr. M. Venkata Sudhakar : 6

INTERNATIONAL JOURNALS:

1. Vijay.P and M.VenkataSudhakar "**Comparison of Various FIR Low Pass Filter Design Techniques with PSO Algorithm**" International Journal of Advanced Research in Computer and Communication Engineering, Vol. 1, Issue 9, November 2012, pp. 679-682
2. A.Sarath Kumar, M.VenkataSudhakar "**The Optimal Decoding of Linear & Convolutional Codes for Symbol Error Rate**" International Journal of Engineering & Science Research, Vol. 2, Issue 11, November 2012
3. T.Nagamani, M.VenkataSudhakar and E.Adinarayana "**Spectrum Sensing Using Cyclic Prefix in Cognitive Radio Wireless System**" International Journal of Electrical and Electronics Engineering, Vol-2, Iss-1, 2012, pp. 1-5.
4. P.Shamakhan, P.Ashok, M.VenkataSudhakar and E.Adinarayana "**An On-chip Bus Tracer with Real Time and Bus Tracking System with SOC**" International Journal of Engineering & Science Research, Vol. 2, Issue 11, November 2012.
5. N.Srikanta, M.VenkataSudhakar, "**Interference Free Communication Coverage and Improved Lifetime of WPSN**", International Journal of Advances in Computer Science and its Application, Vol. 1, Issue 1, Aug 2011, pp.41-44.
6. SudhamaniChilakala, M.VenkataSudhakar "**Frequency Offset Estimation in OFDM Systems**" International Journal of Wireless Networks and Communications, Volume 3, Number 1 (2011), pp. 31-40.

Ms.S.Sree Chandra

INTERNATIONAL JOURNALS:

1. S.Sree Chandra, B.Rajesh "A COLLECTIVE REMOTE CONTROL WITH HAPTIC INTERFACE FOR HOME APPLIANCES," International Journal of Engineering & Science Research (ISSN 2277-2685) IJESR/Aug 2012/Volume-2/Issue-8/Article No-13/833-842.

19. Areas of consultancy and income generated :

Academic year 2012-13

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
				Sanctioned	Received	
Sponsored Research	One year	Installation of Relays	MP Spinners	50,000-00	50,000-00	
Sponsored Research	6 months	Erection of digital humidity sensors	MP Spinners	40,000-00	40,000-00	
Sponsored Research	One year	Maintenance of Variable Frequency Drive (VFD) Cooling system	MP Spinners	55,000-00	55,000-00	

Academic year 2011-12

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
				Sanctioned	Received	
Sponsored Research	One year	Installation of Relays	MP Spinners	50,000-00	50,000-00	
Sponsored Research	One year	Maintenance of Variable Frequency Drive (VFD) Cooling system	MP Spinners	55,000-00	55,000-00	
Sponsored Research	6 months	Erection of digital humidity sensors	MP Spinners	40,000-00	40,000-00	

20. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

S.No.	NAME OF THE FACULTY	ISTE
1	Dr.B.V.RamaMohana Rao	LM60630
2	Dr.V.Venkata Rao	LM60635
3	Mr. J.V.K.Ratnam	LM61126
4	Prof.P.S.S.Chakravarthy	LM90315
5	Ms.P.PadmajaPriyadarshini	LM60880
6	Mr.Y.V.Lakshmaiah	LM90314
7	Ms.S.Vidya Rani	LM90316
8	Mr.M.Sreedhar	LM90313
9	Ms.B.Manjula	LM90317
10	Mr. N. SayeduKhasim	LM73602

21. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme :

100% (The faculty members in the department are taking interest in guiding the students to do their projects in the institution itself)

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:

-NIL-**22. Awards/Recognitions received by faculty and students:****Students:**

S.No.	Name of the Student(s)	Title of the Paper	Date(s)	Program title	Organizer	Prize
1	S.Naveen B.Sravani P.V.Sai Kiran	Technica-Kwiz	13,14-02-2009	TECHNO KWIZ	Vignan'sNirula Institute Of Technology & Science For Women, Guntur	First
2	M.HemaLatha T .Bhagya Sri	Technovation	13,14-10-2011	SAMYAK'11	KoneruLakshmaiah University, Guntur	Third
3	V.Sarada Sandhya B.sravani	BMI using Robotics	17-02-2011	EVM FIEST	EVM College Of Engineering And Technology, Narasaraopet	Second
4	V.Sarada Sandhya B.Sravani	Ancient Science and Technology	22-03-2011	VEDAM 2K11	AkhilBharatiyaVidyarthi Parishad, Hyderabad	First
5	V.Sarada sandhya B.Sravani	Witricity	29-09-2011	PRAYAGA	Tirumala Engineering College, Narasaraopet	Second

6	V.SaradaSandhya P.V.Pavan Kumar	Autoboat GSM/CDMA operated robo	29-09-2011	PRAYAGA (Project Expo)	Tirumala Engineering College, Narasaraopet	First
7	V.Sarada Sandhya B.Sravani	Brain machine Interface(BMI)	18-02-2011	SPRAKS'XI	Amara Institute Of Engineering And Technology, Narasaraopet	First
8	Y.LakshmiMadhuri	Memister	23-12-2011	SPRAVA' 2k11	B.V. Raju Institute Of Technology, Hyderabad	First
9	N.Poojitha	Finger Print Recognition Using Fuzzy Interfacing Techniques	29-08-2011	PRAYAGA	Tirumala Engineering College, Narasaraopet	First
10	K. Gupta P.Mani Prakash M.Bharath Kumar	Nano Electricity	03-01-2012	TECHGENE- 2012	Priyadharshini Institute Of Technology & Science, ,Tenali	First
11	Y.V.N. Sai Rukmini D. Sushma	Ponpealed Weapon Detection	8,09-03-2013	PNCV_PRAYOG A 2K13	PNC &Vijai Institute of Engineering & Technology, Guntur	Second
12	D. Sushma	Brain Computing Interface	07-03-2013	TECHSPREAD 2013	Krishnaveni Engineering College for Women, Narasaraopet	Second
13	Y.V.N. Sai Rukmini	Nano Technology	07-03-2013	TECHSPREAD 2013	Krishnaveni Engineering College for Women, Narasaraopet	Second

23. List of eminent academicians and scientists/visitors to the department

S.No	Date	Resource person(s)
1	14.07.2009 & 15.07.2009	Dr.T.Kishore kumar, N.I.T Warangal Dr.C.B. Rama Rao, N.I.T Warangal
2	18.07.2009	Dr. K.V.Sambasiva Rao, Principal, MVGR College of Engg
3	15.12.2009	Jaya Chand, Sr. Executive Microsoft Technologies, Hyderabad
4	09.2.2010	Dr.D.Nagendra Rao, Vice Principal, J.B.I.T., Hyderabad.
5	19-02-2010 & 20-02-2010	Dr. P. Nageswara Rao, Professor & Head of ECE Dept., NRI Institute of Technology, Guntur.
6	3/12/2010 to 04/12/2010	P.B.Ranga, Consultant, TCS, Hyderabad K.Sampath Kumar, Asst. Consultant, TCS, Hyderabad
7	18-02-2011 & 19-02-2011	Dr. P.V. Naganjaneyulu, Professor & Head of ECE Dept., Rao & Naidu Engineering College, Ongole.
8	05/8/2011	Dr. S.H .Khan, Head, Dept. Of ECE, K. L. University, Vijayawada
9	17/09/2011	S.Krishna Rao, CEO, Infopark Software Technologies, Vijayawada
10	12/9/2011	Prof. A.P.Siva Kumar, Dept.of CSE, JNTU-Ananthapur
11	23/09/2011 to 24/09/2011	Prof.N.B.Venkateswarlu, Former Faculty member of BITS, Pilani, India.
12	17/12/2011	M.SaiChander, Technical Relationship Manager Microsoft Geo Expansion Team, Denave India Pvt. Ltd., Hyderabad
13	10-02-2012 & 11-02-2012	Dr. A Guruva Reddy, Professor & Head of ECE Dept., PSR CMR College of Engineering, Vijayawada.
14	18/02/2012	Dr.O.B.V.Ramanaiah, Professor, Dept. of CSE, JNTU Hyderabad
15	15/3/2012	Dr.E.Sreenivasa Reddy, Professor & Vice-Principal Dept. of CSE, Acharya Nagarjuna University.
16	12-04-2012	Dr. G. Tulasiram Das, Vice-Chancellor, JNTUK, Kakinada
17	17-02-2013 & 18-02-2013	Dr. S. Siva Reddy, Professor & Head of ECE Dept., Loyola Institute of Technology & Management, Sattenapalli.

24. Seminars/Conferences/Workshops organized & the source of funding

a)National

b)International

S.No.	Name of the Society	Date	Activity
1	IEEE	14.07.2009&15.07.2009	2-day workshop on “Advanced Signal Processors”
2	ISTE	18.07.2009	A Seminar on “Customer utility based Software development”
3	IEEE	15.12.2009	A Seminar on “Microsoft Certificate Awareness Programme”
3	ISTE	09.2.2010	Guest Lecture on “Recent trends in wireless Technology”
4	ISTE	3/12/2010to4/12/2010	Two-Day National Level Workshop on “Recent Advances in Modeling Languages & Network Programming”
5	ISTE	05/8/2011	One-Day Seminar on “ GSM Technology”
6	ISTE	17/09/2011	One-Day Seminar on “Technologies and Domains”
7	ISTE	12/9/2011	One-Day Seminar on “Web Deployment”
8	ISTE	23/09/2011 to24/09/2011	Two-Day National Level Workshop on “Data Clustering Algorithms”
9	ISTE	17/12/2011	One-Day Seminar on “Microsoft Technologies”
10	ISTE	18/02/2012	One-Day Seminar on “Adhoc Networks and Sensor Networks”
11	ISTE	15/3/2012	One Day Seminar on “Object Oriented Analysis and Design”
12	IEEE	12-04-2012	MISSION-10X

25. Student profile programme/course wise: For 2009 BATCH

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage
B.TECH, ECE	115	109	74 35	94%

*M=Male F=Female

26. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Tech ECE	100%	-Nil-	-Nil-

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

S.No	Year	Name of Exam	No. of Students Qualified
1	2008-2009	GATE	11
2		CAT	05
3		GRE	04
4	2009-2010	GATE	15
5		CAT	06
6		GRE	04
7	2010-2011	GATE	21
8		CAT	03
9		GRE	05
10		TOEFL	02
11	2011-12	GATE	15
12		CAT	04
13		MAT	01
14		IFIM	01
15	2012-13	GATE	05
16		NASSCOM	01

28. Student progression

Student progression	Against% enrolled
UG to PG	26.5%
PG to M.Phil.	-NA-
PG to Ph.D.	-NA-
Ph.D. to Post-Doctoral	-NA-
Employed - Campus selection - Other than campus recruitment	FOR ECE 19%
Entrepreneurship/Self-employment	-

29. Details of Infrastructural facilities

a) Library:

The ECE department library consists of

No. of Titles: 263

No. of Volumes: 523

No. of National Journals: 7

No. of International Journals: 15

No. of CDs/DVDs (NPTEL courses): 141

b) Internet facilities for Staff & Students :100 Mbps

The department has an exclusive computer center equipped with server, desktop systems and licensed softwares such as MATLAB, MULTISIM, CCS, Xilinx, Keil Software, C, C++ etc.

All faculty rooms are also provided with PC having Internet facility.

c) Class rooms with ICT facility

- 13 well equipped Class Rooms/Lecture Halls with 72 Sq.m. area,
- Class rooms are equipped with Glass boards, dais and podium.
- Class rooms are equipped with multimedia facilities such as OHP, Laptop and LCD projector to deliver Power Point Presentations.
- Display charts to explain the principle and operation.
- Internet facility through campus wide networking having access to the main server to download the required data
- Various practical/visual models for demonstrations.

d) Laboratories

Curriculum Lab Description	Exclusive use/Shared?	Space, Number of Students	Number of experiments	Quality of instruments	Lab manuals
I B.Tech., I Semester					
Engineering Physics & Engineering Chemistry Laboratory –I	Exclusive	72 Sq.m., 36 Students	13	Good	Available
Engineering Workshop (Carpentry, Fitting, House wiring,)	Exclusive	72 Sq.m., 36 Students	20	Good	Available
C Programming Lab	Exclusive	72 sq.m., 36 Students	16	Good	Available
English Proficiency Lab	Exclusive	72 Sq.m., 36 Students	5	Good	Available

I B.Tech., II Semester					
Engineering Physics & Engineering Chemistry Laboratory –II	Exclusive	72 Sq.m., 36 Students	16	Good	Available
English - Communication Skills Lab	Exclusive	72 Sq.m., 36 Students	6	Good	Available
IT Workshop	Exclusive	72 Sq.m., 36 Students	12	Good	Available
II B.Tech., I Semester					
EDC Lab-1	Exclusive	72 Sq.m., 36 Students	17	Good	Available
EDC Lab-2	Exclusive	72 Sq.m., 36 Students	17	Good	Available
Networks & Electrical Technology Lab	Shared	72 Sq.m., 36 Students	15	Good	Available
II B.Tech., II Semester					
Electronic Circuits & PDC Lab-1	Exclusive	72 Sq.m., 36 Students	20	Good	Available
Electronic Circuits & PDC Lab-2	Exclusive	72 Sq.m., 36 Students	20	Good	Available
Analog Communications Lab	Exclusive	72 Sq.m., 36 Students	11	Good	Available
III B.Tech., I Semester					
Digital Communications Lab	Exclusive	72 Sq.m., 36 Students	12	Good	Available
IC Applications Lab	Exclusive	72 Sq.m., 36 Students	12	Good	Available
III B.Tech., II Semester					
Microprocessors and Microcontrollers Lab	Exclusive	72 Sq.m., 36 Students	12	Good	Available
Electronic Computer Aided Design Lab	Exclusive	72 Sq.m., 36 Students	12	Good	Available
IV B.Tech., I Semester					
Microwave and Optical Communications Lab	Exclusive	72 Sq.m., 36 Students	15	Good	Available
Digital Signal Processing Lab	Exclusive	72 Sq.m., 36 Students	10	Good	Available

30. Number of students receiving financial assistance from college, university, government or other agencies

- 447 UG Students and 30 PG Students are receiving financial assistance from Govt. of Andhra Pradesh in the form of scholarship and tuition fee reimbursement.
- Two PG students are receiving GATE scholarship from AICTE.

31. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

S.No.	Name of the program	Date
1	Entrepreneurship Development Program – Chief Guest: Chief Branch Manager, State Bank of India, Narasaraopet.	20 th July, 2013
2	Awareness to become an Entrepreneur – programme – Chief Guest: Joint Director, District Industries Department, Guntur.	20 th July, 2012
3	Entrepreneurship Development Program – Chief Guest: Chief Branch Manager, State Bank of India, Narasaraopet.	17 th December, 2011
4	Entrepreneurship Development Program – Chief Guest: Director, JOCIL, Perecherla, Guntur.	01 st September, 2011
5	Entrepreneurship Development Program – Chief Guest: Divisional Manager, The United India Insurance Company Limited, Narasaraopet.	10 th December, 2010
6	Entrepreneurship Development Program – Chief Guest: General Manager Andhra Sugars, Tanuku.	22 nd September, 2010
7	Awareness to become an Entrepreneur – programme – Chief Guest: Joint Director, District Industries Department, Guntur.	19 th December, 2009
8	Entrepreneurship Development Program – Chief Guest: General Manager, CRANE Group of Industries, Guntur.	20 th August, 2009

32. Teaching methods adopted to improve student learning

Apart from the conventional black board teaching the following methods being adopted /introduced in order to improve the knowledge of students through the innovative methods of content delivery.

1. OHP
2. LCD Projector
3. Intranet/Internet
4. Role Play
5. Working Model/Visual Charts
6. Digital Library
7. Video Lectures

33. Participation in Institutional Social Responsibility (ISR) and Extension activities

S.No	Name of the Event	Organized By & Conducted At	Date	Dignitaries participated in The event
1	Blood Donation Camp	NEC Campus, NRT	15-09-2011	Redcross Secretary, & Medical Officers,
2	Plantation Programme	NEC NSS Volunteers at Guruvayapalem	21-11-2011	Village Surpanch, Guruvayapalem, & Chairman, Secretary, Principal and AO of NEC.
3	Rally conducted against corruption, Terrorism & HIV/AIDS	Conducted by NEC NSS Volunteers in Narasaraopet town	22-11-2011	NSS Volunteers and NSS Programme Officer.
4	Veterinary camp	Conducted by NSS volunteers of NEC, Guruvayapalem	23-11-2011	Veterinary Doctor, Yellamanda, NSS Volunteers & NSS Programme Officer.
5	Distribution of Books and necessities for Poor Government School Children	Conducted by NSS volunteers of NEC, Guruvayapalem	24-11-2011	Village Surpanch, Guruvayapalem, & Chairman, Secretary, Principal and AO of NEC.
6	Funds collected for Orphans, Physically Challenged and victims of Terrorist Attack on	Group of NEC	05-12-2011 To 10-12-2011	NSS Volunteers and NSS Programme Officer.
7	Clean and Green Programme.	NSS Volunteers	25-11-2011	NSS Volunteers

34. SWOC analysis of the department and Future plans**Strengths:**

- Highly opted branch
- Good number of best rankers are opting the branch
- All the faculty members in the department are having minimum M. Tech qualification
- The B. Tech programme is twice accredited by NBA
- Good number of students are placed in reputed organizations
- Good infrastructural facilities
- Highly qualified and committed faculty
- Well established state of the art laboratories with systems of latest configuration and software

Weaknesses:

- R&D and consultancy activities to be improved
- Located in the rural area
- Lack of industry interaction
- Collaborative programs to be initiated

Opportunities:

- The graduates of ECE have multiple opportunities of placements both in hardware and software industry as well as in public sector.
- Student with better ranks are opting the course as their first choice.
- In almost all colleges ECE branch is offered with huge intake.
- Lot of opportunity for accepting consultancy and sponsored research activities

Challenges:

- Heavy competition as more number of colleges established in the state in general and particularly in Guntur district
- Recently students are opting for core engineering branches like Civil, Mechanical and EEE.
- Lack of language proficiency among the students
- Poor quality of input due to more reservations

Future Plans:

- To improve Institute-Industry interaction
- To improve R&D activities.
- To attract the students with better quality

Evaluative Report of CSE Department

Department of Computer Science & Engineering (CSE) started in the year 1998 with an intake of 40 raised to 180 in the year 2011. In the Year 2006 M.Tech in CSE course started with an intake of 18 raised to 36 in the year 2011.

Department of Computer Science & Engineering (CSE) impart students with superior education in Information Technology and prepare them for a lucrative future in the growth-oriented IT industry.

The department is equipped with most-modern, spacious and fully air-conditioned computer labs where students hone their skills. The facilities at the labs include personal computers with the most recent processors which are connected to the internet for the reference purpose of students. The labs have been invested with all the authentic software applications. The other features include an LCD projector to bring alive the classes and for seminar needs as well as UPS for uninterrupted use during power cuts.

Dedicated and eminent faculty is the strength of the Department under the supervision of HOD, who is a visionary with wide experience.



Dr.S.N.Tirumala Rao, B.Tech (CSE), M.Tech.(CSE)., Ph.D.(CSE)

Professor & Head, Department of CSE

Department Summary

Short Term Goals

- To include ethical, moral and value based education system in the institution.
- To improve the students Academic performances to achieve 100% results.
- To improve campus placements.
- To develop domain specific expertise amongst department faculty
- To develop product development facilities in the department

Long Term Goals

- To develop International leaders in Technology
- To encourage faculty to indulge in research activities
- To develop R&D center in the Department
- To emerge as a center of excellence and ultimately become a deemed university.

1. **Name of the department** : CSE
2. **Year of Establishment** : 1998
3. **Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

Programme of Study	Description
UG – B.Tech in Computer Science & Engineering	Started with <u>40 seats in 1998 – 1999</u> By Intake increased to <u>240 in 2012-2013</u> Accredited twice by NBA-AICTE in 2009 & 2013
PG – M.Tech in Computer Science & Engineering	Started with <u>18 seats in 2006-07</u> Intake increased to <u>36 in 2011-13</u>
PG – M.Tech in Computer Science	Started with <u>18 seats in 2012-13</u>

4. **Names of Interdisciplinary courses and the departments/units involved :**

Electronic Devices and Circuits
Digital Logic Design
Engineering Mechanics
Professional Ethics and Morals-1
Professional Ethics and Morals-2
IPR and Patents-1
IPR and Patents-2
Environmental Studies
Managerial Economics and Financial Analysis

5. Annual/semester/choice based credit system (programme wise):

Programme of Study	Description
UG – B.Tech in Computer Science & Engineering	8 Semesters
PG – M.Tech in Computer Science & Engineering	4 Semesters
PG – M.Tech in Computer Science	4 Semesters

6. Participation of the department in the courses offered by other departments:

Computer Organization
Computer Networks
C programming
Data Base Management Systems
Operating Systems
Java Programming
Data Structures
Advanced Computer Architecture
Cryptography and Network Security
Software Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : NIL

8. Details of courses/programmes discontinued (if any) with reasons : Nil

9. Number of Teaching posts

Post	Sanctioned	Filled
Professors	5	5
Associate Professors		10
Asst. Professors		26

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M. Phil. etc.,)

S. No	Name of the Faculty	Qualification, University and year of graduation	Designation	Specialization	No. of Ph.D Students guided for the last 4 yrs.
1	Dr.S.N.Tirumala Rao	B.Tech, ANU, 1987 M.Tech, JNTU, 2004 Ph.d, JNTU,2011	Professor	Data Mining	3
2	Dr. Shaheda Akthar	M.Sc(Comp), ANU, 1999 MS(Comp), BITS, Pilani, 2001 Ph.d, ANU, 2010	Professor	Software Engineering	--
3	Dr.M.Venkata Siva Prasad	B.Tech, Gulbarga University, 1993 M.Tech, Visveswaraiah Technological University, 2003 Ph.D, ANU, Guntur, 2007	Professor	Information Security	--
4	Dr. Suman Bhattacharya	B.Tech, Sambalpur University, 1995 M.Tech Sambalpur University, 1997 UtkalUnivesity, 2006	Professor	Parallel Programming	--
5	B.Jhansi Vazram	B.Tech, Andhra University, 1998 M.Tech, JNTU, 2004 (PhD) JNTU	Professor	Network Security	--
6	T.Surekha	AMIE, The Institute of Engineers(India), 1993 M.Tech, JNTU, 2006 (PhD) ANU	Assoc. Prof	Data Mining	--
7	K.Prasada Rao	B.Tech, ANU, 1999 M.Tech, AU, 2005	Assoc. Prof	Image Processing	--
8	Sk.Mohammad Rafi	B.Tech, JNTU, 2002 M.Tech, ANU, 2008 (Ph.D), ANU	Assoc. Prof	Software Engineering	--

9	P.Padmavathi	B.Tech, JNTU, 2003 M.Tech, ANU, 2011	Assoc. Prof	Parallel Programming	--
10	P.G.K. Sirisha	B.Tech, JNTU, 2002 M.Tech, ANU, 2010	Assoc. Prof	Data Mining	--
11	V.V.A.S Lakshmi	M.SC(IT), SkkimManipa I University, 2003 M.Tech, ANU, 2010	Assoc. Prof	Software Engineering	--
12	P.V.Hari Prasad	B.Tech, AU, 1998 M.Tech, AU, 2000 (Ph.D) ANU	Assoc. Prof	Parallel Programming	--
13	K.V.Suresh Babu	B.Tech, JNTU, 2004 M.E, Anna University	Assoc. Prof	Data Mining	--
14	K.Jyothi	B.Tech, JNTU, 2003 M.Tech, JNTU, 2005	Assoc. Prof	Software Engineering	--
15	K.R.R. Mohana Rao	B.Tech, Shivaji University, 1990 M.Tech, JNTUH, 2008	Assoc. Prof	Software Engineering	--
16	S.Siva Nageswara Rao	B.Tech, JNTU, 2006 M.Tech, JNTUK, 2009 (PhD) JNTUK	Asst. Prof.	Mobile Computing	--
17	S.Suresh Babu	B.Tech, JNTU, 2005 M.Tech, JNTU, 2009	Asst. Prof.	Image Processing	--
18	M.Sireesha	B.Tech, JNTU, 2008 M.Tech, ANU, 2010	Asst. Prof.	Data Mining	--
19	K.Lakshminadh	B.Tech, JNTU, 2006 M.Tech, JNTU, 2008 (PhD) JNTU	Asst. Prof.	Computer Networks	--
20	B.Santha Kumari	B.Tech, JNTU, 2006 M.Tech, JNTU, 2010	Asst. Prof.	Computer Networks	--
21	Md.Sirajuddin	B.Tech, JNTU, 2007 M.Tech, JNTU, 2010	Asst. Prof.	Computer Networks	--
22	K.Kameswara Rao	B.Tech, JNTU, 2007 M.Tech, ANU, 2009	Asst. Prof.	Image Processing	--
23	K.Hazarathaiah	B.Tech, JNTU, 2007 M.Tech, JNTUA, 2010	Asst. Prof.	Software Engineering	--

24	T.Seshu Chakravarthy	B.Tech, JNTU, 2009 M.Tech, Vignan University, 2011	Asst. Prof.	Parallel Programming	--
25	M.Syam Kumar	B.Tech, JNTUH, 2005 M.Tech,JNTUK,2011	Asst. Prof.	Computer Networks	--
26	Y.Chandana	B.Tech, JNTUH, 2006 M.Tech, JNTUK, 2012	Asst. Prof.	Computer Networks	--
27	Sd Rizwana	B.Tech ,JNTUK, 2010 M.Tech, JNTUK, 2012	Asst. Prof.	Mobile Computing	--
28	O.Aruna	B.Tech ,JNTUK, 2010 M.Tech, ANU, 2012	Asst. Prof.	Computer Networks	--
29	K.Ravi Kiran	B.Tech ,JNTUK, 2009 M.Tech, JNTUK, 2012	Asst. Prof.	Data Mining	--
30	V.Sujan Babu	B.Tech ,ANU, 2005 M.Tech, ANU, 2009	Asst. Prof.	Parallel Programming	--
31	T.Venkata Rao	B.Tech ,JNTU, 2006 M.Tech, JNTU, 2012	Asst. Prof.	Software Engineering	--
32	G.Sunny Deol	B.Tech ,JNTU, 2008 M.Tech, JNTU, 2010	Asst. Prof.	Network Security	--
33	Sk. Reshma	B.Tech ,JNTUK, 2009 M.Tech, JNTUK, 2012	Asst. Prof.	Data Mining	--
34	Sk.Basheera	B.Tech ,ANU, 2009 M.Tech, JNTUK, 2012	Asst. Prof.	Parallel Programming	--
35	A.Vijay Kumar	B.Tech , JNTUK, 2010 M.Tech, JNTUK, 2012	Asst. Prof.	Data Mining	--
36	I.Swathi	B.Tech , JNTUK, 2011	Asst. Prof.	Computer Networks	--
37	V.Syam Babu	B.Tech , JNTUK, 2011	Asst. Prof.	Computer Networks	--
38	G.Rafi	B.Tech , JNTUK, 2011	Asst. Prof.	Mobile Computing	--
39	Y.Nagendra Kumar	B.Tech ,AU 2008 M.Tech, JNTUK, 2012	Asst. Prof.	Parallel Programming	--
40	P.Sudheer Kumar	B.Tech , JNTUK, 2011	Asst. Prof.	Mobile Computing	--
41	B.Rajesh	B.Tech , ANU, 2007 M.Tech, JNTUK, 2012	Asst. Prof.	Software Engineering	--

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL

13. Student -Teacher Ratio (programme wise):

Year	STR
CAYm2 (2010-11)	15
CAYm1 (2011-12)	13.84
CAY (2012-13)	13.54

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : 9 technical staffs.

Name of the Tech. Staff	Designation (Pay-scale)	Qualification	Responsibilities
<i>At joining</i>			
B. Dileep Kumar	Programmer	B.Tech	Assisting students during lab time
V.Chilakamma	Programmer	M.C.A.	Assisting students during lab time
A.Venkateswarlu	Programmer	MCA	Assisting students during lab time
P.MadhuBabu	Programmer	M.C.A	Assisting students during lab time
Ch.ArunaKumari	Programmer	B.Tech	Assisting students during lab time
K. Nageswara Rao	Operator	DMIT	Maintenance of Lab
B.Dayakara Rao	Hardware Technician	DECE	System maintenance
P.SubashChandra	Hardware Technician	B.A	System maintenance
A.Veeranjaneyulu	Attender	S.S.C	Departmental work

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

S. No	Name of the Faculty	Qualification, University and year of graduation
1	Dr.S.N.Tirumala Rao	B.Tech, ANU, 1987, M.Tech, JNTU, 2004 Ph.d, JNTU, 2011
2	Dr. Shaheda Akthar	M.Sc(Comp), ANU, 1999 , MS(Comp), BITS, Pilani, 2001, Ph.d, ANU, 2010
3	Dr.M.Venkata Siva Prasad	B.Tech, Gulbarga University, 1993 M.Tech, Visveswaraiah Technological University, 2003 Ph.D, ANU, Guntur, 2007
4	Dr. Suman Bhattacharya	B.Tech, Sambalpur University, 1995 M.Tech Sambalpur University, 1997 UtkalUnivesity, 2006
5	B.Jhansi Vazram	B.Tech, Andhra University, 1998, M.Tech, JNTU, 2004 (PhD) JNTU
6	T.Surekha	AMIE, The Institue of Engineers(India), 1993 M.Tech, JNTU, 2006 (PhD) ANU

7	K.Prasada Rao	B.Tech, ANU, 1999, M.Tech, AU, 2005
8	Sk.Mohammad Rafi	B.Tech, JNTU, 2002, M.Tech, ANU, 2008,(Ph.D), ANU
9	P.Padmavathi	B.Tech, JNTU, 2003, M.Tech, ANU, 2011
10	P.G.K. Sirisha	B.Tech, JNTU, 2002, M.Tech, ANU, 2010
11	V.V.A.S Lakshmi	M.SC(IT),SikkimManipal University, 2003, M.Tech, ANU, 2010
12	P.V.Hari Prasad	B.Tech, AU, 1998, M.Tech, AU, 2000, (Ph.D) ANU
13	K.V.Suresh Babu	B.Tech, JNTU, 2004, M.E, Anna University
14	K.Jyothi	B.Tech, JNTU, 2003, M.Tech, JNTU, 2005
15	K.R.R. Mohana Rao	B.Tech, Shivaji University, 1990, M.Tech, JNTUH, 2008
16	S.Siva Nageswara Rao	B.Tech, JNTU, 2006, M.Tech, JNTUK, 2009,(PhD) JNTUK
17	S.Suresh Babu	B.Tech, JNTU, 2005, M.Tech, JNTU, 2009
18	M.Sireesha	B.Tech, JNTU, 2008, M.Tech, ANU, 2010
19	K.Lakshminadh	B.Tech, JNTU, 2006, M.Tech, JNTU, 2008, (PhD) JNTU
20	B.Santha Kumari	B.Tech, JNTU, 2006, M.Tech, JNTU, 2010
21	Md.Sirajuddin	B.Tech, JNTU, 2007, M.Tech, JNTU, 2010
22	K.Kameswara Rao	B.Tech, JNTU, 2007, M.Tech, ANU, 2009
23	K.Hazarathaiah	B.Tech, JNTU, 2007, M.Tech, JNTUA, 2010
24	T.Seshu Chakravarthy	B.Tech, JNTU, 2009, M.Tech, Vignan University, 2011
25	M.Syam Kumar	B.Tech, JNTUH, 2005, M.Tech,JNTUK,2011
26	Y.Chandana	B.Tech, JNTUH, 2006, M.Tech, JNTUK, 2012
27	Sd Rizwana	B.Tech ,JNTUK, 2010, M.Tech, JNTUK, 2012
28	O.Aruna	B.Tech ,JNTUK, 2010, M.Tech, ANU, 2012
29	K.Ravi Kiran	B.Tech ,JNTUK, 2009, M.Tech, JNTUK, 2012
30	V.Sujan Babu	B.Tech ,ANU, 2005, M.Tech, ANU, 2009
31	T.Venkata Rao	B.Tech ,JNTU, 2006, M.Tech, JNTU, 2012
32	G.Sunny Deol	B.Tech ,JNTU, 2008, M.Tech, JNTU, 2010
33	Sk. Reshma	B.Tech ,JNTUK, 2009, M.Tech, JNTUK, 2012
34	Sk.Basheera	B.Tech ,ANU, 2009, M.Tech, JNTUK, 2012
35	A.Vijay Kumar	B.Tech , JNTUK, 2010, M.Tech, JNTUK, 2012
36	G.Rafi	B.Tech , JNTUK, 2011, M.Tech, JNTUK, 2013
37	Y.Nagendra Kumar	B.Tech ,AU 2008, M.Tech, JNTUK, 2012
38	B.Rajesh	B.Tech , ANU, 2007, M.Tech, JNTUK, 2012

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : 19

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NA

18. Research Centre /facility recognized by the University: NA**Publications:**

* a) Publication per faculty

Sl. No	Name of the Faculty	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	Total
1	Dr.S.N.Tirumala Rao	---	---	2	3	2	7
2	Dr. Shaheda Akthar	6	6	2	3	---	17
3	Dr.M.Venkata Siva Prasad	1	1	1	2	---	5
5	B.Jhansi Vazram	---	1	1	1	1	4
6	T.Surekha	---	---	1	1	1	3
7	K.Prasada Rao	---	---	---	1	5	6
8	Sk.Mohammad Rafi	---	---	---	3	---	3
9	S.Siva Nageswara Rao	---	1	1	3	1	6
10	S.SureshBabu	---	---	1	1	---	2
11	M.Sireesha	---	---	---	---	2	2
12	K.Lakshminadh	---	3	2	---	3	8
13	B.Santha Kumari	---	---	---	---	1	1
14	Md.Sirajuddin	---	1	2	1	---	4
15	K.Hazarathaiah	---	---	---	---	2	2
16	T.Seshu Chakravarthy	---	---	---	---	3	3
17	M.Syam Kumar	---	---	---	---	2	2
18	Y.Chandana	---	---	---	---	1	1
19	Sd. Rizwana	---	---	---	---	1	1
20	O.Aruna	---	---	---	---	1	1
21	K.Ravi Kiran	---	---	---	---	2	2

LIST OF NATIONAL/INTERNATIONAL JOURNALS IN 2009-2010

S.NO	NAME OF THE FACULTY	PAPER TITLE	JOURNAL NAME	Publication/Citation Details
1.	Dr. M. Venkata Siva Prasad	Semantic Extension of Syntactic Table Data	Proceedings of the International conference on Web sciences	ICWS-2009 Januauary 10 th and 11 th ,2009.
2.	Dr. D. Subba Rao	e-Learning Portals: A Semantic Web Services Approach	International Conferences of Web Sciences	Jan-2009 / ICWS-2009
3.	Shaheda Akthar	Minimizing the complexity involved in software architecture recovery by using bipartite graph.	International Journal of Computer Science and network security.	Vol.9, No.7, July, 2009.
		Generation of pattern graph based on architectural query language	International journal of computational mathematical ideas.	ISSN:0974-8652 Vol.1 no.3, 2009.
		Recovery of Software Architecture Using Partitoning Approach by fielder vector and Clustering.	Computer and Information Science.	Vol.3,no.1,Feb,2010
		Analysis of 4p-Kappa TEF in to Software reliability growth model and optimal software release policy	1. International journal of Computer Science and Network Security.	Vol.10,No.2,Feb,2010.
		Software reliability growth modes with exponentiated Weibull testing-Effort function and analyzing its release policy	International journal of Software Engineering.	Vol.2,No.3,March,2010.

		Incorporating generalized modified Weibull TEF in to Software reliability growth model and optimal software release policy.	Computer and Information Science.	Vol.3,No.2,May,2010

LIST OF NATIONAL/INTERNATIONAL JOURNALS IN 2010-2011

S.NO	NAME OF THE FACULTY	PAPER TITLE	JOURNAL NAME	Publication/Citation Details
1.	Dr. M. Venkata Siva Prasad	Managed Access point Solution	International Journal of Data Modeling and Knowledge Management.	ISSN:2249-0507 January-June 2011 Vol 2 No.1.
2.	Dr. D. Subba Rao	Autonomic Web Process for Customer Loan Acquiring Process	International Journal of Scientific & Engineering Research	ISSN:2229-5518 November 2010 Vol. 2, Issue 11
3.	Shaheda Akthar	1. System representation for software architecture recovery.	International journal of computational mathematical ideas.	ISSN:0974-8652 Vol.2 no.1, 2010.
		2. Increasing the efficiency of the software architecture recovery through spanning tree based maximal graph mining technique.	International journal of computer science and engineering.	ISSN:0975-3397 Vol.2, No.4, 2010.
		3. Software architecture recovery with error tolerance and penalty cost in graph mining.	International journal of computer science and engineering.	ISSN:0975-3397 Vol.2, No.4, 2010.
		4. Software reliability growth model with logistic exponential test effort function and analysis of software release policy.	International journal of Computer Science and Engineering	Vol.2, No.2, 2010.

		5. Imperfect-Debugging SRGM with Software Module Testing and Resource Allocation Dependent Release Policy.	International journal of Computer Applications	Volume 6 – No. 11, September 2010
		6. Software Reliability Growth Model with Gompertz TEF and Optimal Release Time Determination by Improving the Test Efficiency	International journal of Computer Applications	Volume 6 – No. 11, September 2010
4.	S. Gopi Krishna	1. Markova Scheme for Credit Card Fraud Detection.	International Journal of Computer Science and its Applications	ISSN 2250-3765
		2. Non Linear Feedback Stream Cipher.	Special issue of IJCT	ICCT-2010 December 2010
5.	B.Jhansi Vazram	Privacy in Mobile Adhoc Networks	Springer-Verlag Berlin Heidelberg 2011	DPPR 2011,CCIS 205,pp.336-345,2011
6.	S. Siva Nageswara Rao	Non Linear Feedback Stream Cipher.	Special issue of IJCT	ICCT-2010 December 2010
7.	K.Lakshminadh	1. Dynamic Detection of Packet Losses by CRDP.	1. International Journal Communication and Network Security.	IJCNS Volume I, Issue-II 2011
		2. Markova Scheme for Credit Card Fraud Detection.	2. International Journal of Computer Science and its Applications 3.Special issue of IJCT.	ISSN 2250-3765
		3. Non Linear Feedback Stream Cipher.	3. Special Issue of IJCT	ICCT-2010, 3 rd -5 th December 2010
8.	Md. Sirajuddin	An Efficient Architectural Frame Work of a Tool for Undertaking Comprehensive Testing of Embedded Systems	International Conferences of Web Sciences	Jan-2011 / ICWS-2011

LIST OF NATIONAL/INTERNATIONAL JOURNALS IN 2011-2012

S.NO	NAME OF THE FACULTY	PAPER TITLE	JOURNAL NAME	Publication/Citation Details
1.	Dr. Shaheda Akthar	1. Resource Allocation to Software Modules in Software Testing with Imperfect-debugging SRGM	1. International Journal of Computer Applications.	0975-8887 Volume 18-No.2 March 2011.
		2. Discrete Software Reliability Growth Models with Discrete Test Effort Functions	2. International Journal Software Engineering & Applications	DOI: 10.5121/ijsea.2011.2401 Vol. 2, No.4, October 2011
2.	Dr. M. Venkata Siva Prasad	Effective Development of Android Applications using Android Services	International Journal of Computer Applications in Engineering Sciences	ISSN:2231-4946 Vol 2 issue 2, June 2012
3.	Dr. S. N. Tirumala Rao	1. Parallelizing Apriori on Dual Core using Open MP.	1. International Journal of Computer Applications.	0975-8887 Volume 43-No.24 April 2012.
		2. Performance Evaluation of Apriori on Dual Core with Multiple Threads	2. International Journal of Computer Applications.	0975-8887 Volume 43-No.16 July 2012.
4.	S. Gopi Krishna	1. Effective Seafaring of Query Resultants Based on Concept Hierarchies.	1. International Journal of Data Modeling and Knowledge Management.	ISSN:2249-0507 January-June 2012 Vol 2 No.1.
		2. An Innovative Routing Algorithm for Delay Tolerant Networks.	2. International Journal of Information Technology, Engineering and Sciences.	January-June 2012 Vol.2 No.1.
		2. An Adaptive ACK Scheme for Improving TCP throughput in Multi-hop Wireless Networks.	3. International Journal of Advanced Computer Engineering and Architecture.	ISSN:2248-9452 January-June 2012 Vol. 2 No.1.

5.	B.Jhansi Vazram	Source Anonymization Using Modified New Variant ElGamal Signature Scheme	WSEAS TRANSACTIONS on COMPUTERS	E-ISSN:2224-2872 Issue 3,Vol 11,March 2012
6.	T.Surekha	Electronic Payment Systems and its Security	International Journal of Advances in Soft Computing Technology.	ISSN 2229-3515 Vol.1 Issue 2, July-December 2011.
7.	S. Siva Nageswara Rao	An Efficient Route Recovery Approach in Wireless Mesh Networks	International Journal of Computer Engineering and Architecture	ISSN:2248-9452 January-June 2012 Vol 2 No.1
8.	K. Lakshminadh	1.A Robust TCP Schemes for RL:Detection and Differentiation	1. International Journal of Data Modeling and Knowledge Management.	ISSN:2249-0507 January-June 2012 Vol 2 No.1.
		2. An Adaptive ACK Scheme for Improving TCP throughput in Multi-hop Wireless Networks.	2. International Journal of Advanced Computer Engineering and Architecture	ISSN:2248-9452 January-June 2012 Vol. 2 No.1.
9.	S.SureshBabu	Scheduling a task in critical path using Grid Environments	International Journal of Advanced Computer Engineering and Architecture	ISSN:2248-9452 January-June 2012 Vol 2 No.1
10.	Md. Sirajuddin	1. A Proactive n/w recovery scheme for dynamic node & Link failures.	International Journal of Data Modeling and Knowledge management.	ISSN:2249-0507 January-June 2012 Vol 2 No.1. January-June 2012 Vol. 2 No.1
		2. An Innovative Routing Algorithm for Delay Tolerant Networks.	2. International Journal of Information Technology, Engineering and Sciences.	
11.	M.Gnana Vardhan	Performance Evaluation of Traditional Focused Crawler and Accelerated Focussed Crawler	International Conferences of Web Sciences	Jan-2012 / ICWS-2012

LIST OF NATIONAL/INTERNATIONAL JOURNALS IN 2012-2013

S.NO	NAME OF THE FACULTY	PAPER TITLE	JOURNAL NAME	Publication/Citation Details
1.	Dr. Shaheda Akthar	1. Joint effect of Learning and Testing Effort in SRGM with Fault Dependence Correction Delay	1. International Journal of Computer Science and Information Technologies.	ISSN:0975-9646 Vol.3(5) 2012.
		2. Two Types of Imperfect Debugging Software Reliability Growth model with Warranty Cost and Release Time Determination	2. International Journal of Software Engineering Research & Practices.	Vol. 2, Issue 4, October, 2012
		3. Incorporating Testing Efforts into Software Reliability models with Random Environment	Proceedings of the 7 th National Conference; INDIACom -2013	ISSN: 0973-7529; ISBN 978-93-80544-07-6 March 2013
2.	Dr. M. Venkata Siva Prasad	1. An Intrusion Detection System Architecture Based on Neural Networks and Genetic Algorithms.	1. International Journal of Computer Science and Management Research.	ISSN:2278-733X Vol.2 Issue 1 January 2013.
		2. An Innovative Procedure for performance Appraisal in Intrusion Detection System using Synthesis Computing Classifier.	2. International Journal of Computer Science and Management Research.	ISSN:2278-733X Vol.2 Issue 1 December 2012.
3.	Dr. D. Subba Rao	Future Trends in Mobile Commerce: Service Offerings, Technological Advances and Security Challenges	Journal of Environmental Science, Computer Science and Engineering &Technology	E-ISSN:2278-179X Vol.1,No.2,June-August,2012

4.	Dr. S. N. Tirumala Rao	1. An Efficient Bandwidth Estimation Schemes used in Wireless Mesh Networks.	1. International Journal of Advanced Research in Computer Engineering & Technology.	ISSN: 2278-1323 Vol. 1, Issue 6 August, 2012.
		2. Synchronous Distributed path computation algorithm for high speed networks.	2. International Journal of Advances in Soft computing Technology.	ISSN: 2229-3515 July – December 2012.
		3. Performance Evaluation of Apriori with Memory Mapped files.	3. International Journal of Computer Science Issues.	ISSN 1694-0784 Vol.10, Issue 1, No.1 January 2013.
5.	B.Jhansi Vazram	Anonymity and security in Mobile Adhoc Networks	Springer-Verlag Berlin Heidelberg	ICDICIT 2012, LNCS 7154
6.	T.Surekha	The Increase of Network Lifetime By Implementing the Fuzzy Logic in Wireless Sensor Networks	International Journal of Computer Science and Information Security	ISSN:1947-5500 Vol.9, No.11, November, 2012
7.	K. Prasad Rao	Track and Identify the Human Motion with Alert	International Journal of Computer Science and Information Technologies	ISSN:0975-9646 Vol. 3(1), 2012
8.	A.B.Soma	Improving Quality of Service for 4G Devices using Multipath Routing on Adhoc Network	International Journal of Computer Science and Engineering Technology	ISSN:2229-3345 Vol.4, No.1, January, 2013
10.	G. Syam Prasad	A Method for Fingerprint Authentication for ATM Based Banking Application	International Journal of Computer Science and Information Security	ISSN:1947-5500 Vol.9, No.9, September, 2012

11.	K.Bhaskar	A Method for Fingerprint Authentication for ATM Based Banking Application	International Journal of Computer Science and Information Security	ISSN:1947-5500 Vol.9, No.9, September, 2012
12.	SK.Mohammad Rafi	1.Joint effect of Learning and Testing Effort in SRGM with Fault Dependence Correction Delay	1.International Journal of Computer Science and Information Technologies.	ISSN:0975-9646 Vol.3(5) 2012.
		2.Two Types of Imperfect Debugging Software Reliability Growth model with Warranty Cost and Release Time Determination	2.International Journal of Software Engineering Research & Practices	Vol.2, Issue 4, October, 2012
		3.Incorporating Testing Efforts into Software Reliability models with Random Environment	Proceedings of the 7 th National Conference; INDIACOM-2013	ISSN:0973-7529; ISBN 978-93-80544-07-6 March 2013
13.	Ch. Sujatha	Information Retrieval through Multi-Agent System with Data Mining in Cloud Computing	International Journal of Computer Technology and Applications	ISSN:2229-6093
14.	G. Hanumantha Rao	Performance of Input and Output Selection Techniques on Routing Efficiency in Network-On-Chip	International Journal of Computer Science and Information Security	ISSN:1947-5500 Vol.9, No.9, September, 2012
15.	S. Shilpa	Performance of Input and Output Selection Techniques on Routing Efficiency in Network-On-Chip	International Journal of Computer Science and Information Security	ISSN:1947-5500 Vol.9, No.9, September, 2012

16.	K. Yamuna Devi	Algorithm for Improving the Computing Power of Next Generation Wireless Receivers	Journal of Computer Science and Engineering	pISSN:1976-4677 eISSN:2093-8020 Vol.6 No.4,December 2012
17.	G.Madhavi	Improving Quality of Service for 4G Devices using Multipath Routing on Adhoc Network	International Journal of Computer Science and Engineering Technology	ISSN:2229-3345 Vol.4,No.1, January, 2013
18.	S. Siva Nageswara Rao	1.Secure and Scalable Multicasting Services in Wireless Mesh Networks	1.International Journal of Computer Science and Information Technologies	ISSN:0975-9646 Vol. 3(1), 2012
		2. Secure-Key Distribution Scheme for Multicast Applications	2. International Conference on Information, Computing and Telecommunications	ISBN: 978-93-82208-57-0 20 th Jan 2013
		3. A Virtual Zone Based Multicasting for Mobile Adhoc Networks	3.International Conference on Computer Science and Information Technology	ISBN:978-93-82208-70-9 10 th March,2013
19.	S.Suresh Babu	The Implementation of Programmable Wireless Router using JAVA	International Journal of Computer Science and Engineering Technology	ISSN:2229-3345
20.	Md. Sirajuddin	Providing Security to Wireless Packet Network by using Optimized Security Method	Oriental Journal of Computer Science and Technology	ISSN:0974-6471 Vol.5,No.1,December,2012
21.	M.Gnana Vardhan	The Implementation of Programmable Wireless Router using JAVA	International Journal of Computer Science and Engineering Technology	ISSN:2229-3345

LIST OF NATIONAL/INTERNATIONAL JOURNALS IN 2013-2014

S.NO	NAME OF THE FACULTY	PAPER TITLE	JOURNAL NAME	Publication/Citation Details
1.	M. Syam Kumar	An Adaptive Hybrid routing protocol for VANET	Proceedings Of International Conference On Computing	NECICC-2K13
2	K. Prasada Rao	Identify selfishness and handling selfishness in replica allocation over MANET	Proceedings Of International Conference On Computing	NECICC-2K13
3	Y.Chandana	Identify selfishness and handling selfishness in replica allocation over MANET	Proceedings Of International Conference On Computing	NECICC-2K13
4	K. Prasada Rao	Enhancing Network Performance By Modified PWAODV Protocol	Proceedings Of International Conference On Computing	NECICC-2K13
5	K.Ravi Kiran	Enhancing Network Performance By Modified PWAODV Protocol	Proceedings Of International Conference On Computing	NECICC-2K13
6	B. Jhansi Vazram	Ultimate Secure Data Transmission in MANET	Proceedings Of International Conference On Computing	NECICC-2K13
7	T.S.Chakravarthy	Ultimate Secure Data Transmission in MANET	Proceedings Of International Conference On Computing	NECICC-2K13
8	B.SanthaKumari	Ultimate Secure Data Transmission in MANET	Proceedings Of International Conference On Computing	NECICC-2K13
9	O. Aruna	Ultimate Secure Data Transmission in MANET	Proceedings Of International Conference On Computing	NECICC-2K13

10	K. Prasada Rao	A Coordinative Diversity- Based Robust MAC Protocol in Wireless Ad Hoc Networks	Proceedings Of International Conference On Computing	NECICC-2K13
11	M.Sireesha	A Coordinative Diversity- Based Robust MAC Protocol in Wireless Ad Hoc Networks	Proceedings Of International Conference On Computing	NECICC-2K13
12	Dr.S.N.TirumalaRao	SQL Built Ins for Data Sets Generation	Proceedings Of International Conference On Computing	NECICC-2K13
13	T.S.chakravarthy	SQL Built Ins for Data Sets Generation	Proceedings Of International Conference On Computing	NECICC-2K13
14	K. Prasada Rao	A Coordinative Diversity- Based Robust MAC Protocol in Wireless Ad Hoc Networks	Proceedings Of International Conference On Computing	NECICC-2K13
15	M.Sireesha	A Coordinative Diversity- Based Robust MAC Protocol in Wireless Ad Hoc Networks	Proceedings Of International Conference On Computing	NECICC-2K13
16	,K.Prasadarao	Ameliorated a Neighbor Coverage Based Probabilistic Rebroadcast Protocol in MANET	Proceedings Of International Conference On Computing	NECICC-2K13
17	K.Sureshbabu	Ameliorated a Neighbor Coverage Based Probabilistic Rebroadcast Protocol in MANET	Proceedings Of International Conference On Computing	NECICC-2K13
18	Dr.S.N.Thirumala Rao	Advanced XML Tree Pattern Matching: Approaches and Algorithms	Proceedings Of International Conference On Computing	NECICC-2K13

19	T.S.Chakravarthy	Advanced XML Tree Pattern Matching: Approaches and Algorithms	Proceedings Of International Conference On Computing	NECICC-2K13
20	K. Lakshmi Nadh	Congestion Resistant and Contention Revelation in Ad Hoc Networks	Proceedings Of International Conference On Computing	NECICC-2K13
21	S. Siva Nageswara Rao	Congestion Resistant and Contention Revelation in Ad Hoc Networks	Proceedings Of International Conference On Computing	NECICC-2K13
22	K.Lakshmi Nadh,	Adversary Dealings in Failure Tolerant Anonymizing Networks	Proceedings Of International Conference On Computing	NECICC-2K13
23	K.Ravi Kiran	Adversary Dealings in Failure Tolerant Anonymizing Networks	Proceedings Of International Conference On Computing	NECICC-2K13
24	K.Hajarathaiah	Improved ad-hoc technology based VHOM Scheme in Heterogeneous Wireless Networks	Proceedings Of International Conference On Computing	NECICC-2K13
25	K.Hajarathaiah	Design and Implementation of Security Protocol for Unobservable Attacks	Proceedings Of International Conference On Computing	NECICC-2K13
26	M.Syam Kumar	Design and Implementation of Security Protocol for Unobservable Attacks	Proceedings Of International Conference On Computing	NECICC-2K13
27	SD.Rizwana	Improved data gathering system in wireless sensor by using mobile data aggregator	Proceedings Of International Conference On Computing	NECICC-2K13

28	T.Surekha	Adaptive Query Planning Procedures to Support Continuous Aggregation Queries	Proceedings Of International Conference On Computing	NECICC-2K13
29	K. Lakshmi Nadh	Advances in Recent Technologies in Electrical and Electronics – ARTEC	Proceedings Of International Conference On Computing	NECICC-2K13

- * Number of papers published in peer reviewed journals (national/international) by faculty and students
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Monographs
- * Chapter in Books
- * Books Edited
- ADVANCED UNIX PROGRAMMING By Dr.S.N.Tirumala Rao**
- * Books with ISBN/ISSN numbers with details of publishers
- * Citation Index
- * SNIP
- * SJR
- * Impact factor
- * h-index

19. Areas of consultancy and income generated :

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
				Sanctioned	Received	
Sponsored Research	6 months	Development of ERP	MP Spinners	1,05,000/-	1,05,000/-	
Sponsored Research	6 months	Development of Attendance and Accounting System	KRISHNAVENI DEGREE COLLEGE : NARASARAOPET	50,000/-	50,000	

20. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

S.No.	Name of the Faculty	Name of the professional society ISTE/CSI
1	Dr. S.N.TirumalaRao	LMISTE, CSI
2	Dr.M.V.S.Prasad	LMISTE
3	Dr.D.SubbaRao	LMISTE, CSI, SNIA
4	N.Raghu Kishore	LMISTE
5	Dr.Shaheda Akthar	LMISTE, CSI, EMIC, SNIA
6	S.Gopi Krishna	LMISTE
7	B.JhansiVazram	LMISTE
8	K.PrasadaRao	MISTE
9	T.Surekha	MISTE
10	K.Bhaskar	MISTE
11	Sk.Md.Rafi	MISTE
12	S.Siva Nageswara Rao	MISTE
13	K.Lakshminadh	MISTE
14	Ch.Sujatha	MISTE
15	K.Karthik	MISTE
16	S.Suresh Babu	MISTE
17	M.Sireesha	MISTE
18	B.Santha Kumari	MISTE
19	Md.Sirajuddin	MISTE
20	K.Kameswara Rao	MISTE

21. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

S.No	Academic Year	Total No.of Project Batches	No.of In_house Projects	% of In_house Project
1	2009-2010	30	19	63
2	2010-2011	32	20	62
3	2011-2012	28	19	68
4	2012-2013	25	18	72

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

S.No	Academic Year	Total No.of Project Batches	No.of In_house Projects	% of Out side Project
1	2009-2010	30	11	37
2	2010-2011	32	12	38
3	2011-2012	28	9	32
4	2012-2013	25	7	28

22. Awards/Recognitions received by faculty and students:

2009-2010 Students:

S. No	Name	Year/ Sem	Title	Date	Prize/ Participated	College
1	R Siddhartha Yagnam	IV-II	TICES10	3 - 4 March 2010	II	Gitam Institute of Technology Gitam University
2	K Santhosh	III-II	Lakshya 10	6-3-2010	I	Lakki Reddy Bala Reddy College of Engg.
3	K.V.Ravi	IV-II	Lakshya 10	5 - 6 March 2010	I	Lakki Reddy Bali Reddy College of Engg.
4	N.Vijaya Sankar	II-II	CISSOIREE 2010	5 - 6 March 2010	Participated	RVR & JC College of Engg. Informaze
5	Bhavesk Kumar	III-II	CISSOIREE 2010	5-6 March 2010	II	RVR & JC College of Engg. Informaze
6	P.V.L Kalpana	III-II	TICES10	3-4 March 2010	I	Gitam Institute of Technology Gitam University
7	G.Sindhuja Koteswari	III-II	TICES10	3-4 March 2010	II	Gitam Institute of Technology Gitam University
8	G.Sindhuja	III-II	TICES10 Ethical Hacking Workshop	3-4 March 2010	I	Gitam Institute of Technology Gitam University

9	M.Kalyani	II-II	ELAN10	25 th Feb 2010.	I	SSN Engg. College , Palm Vein Technology
10	M.V.N Sri Lakshmi	II-II	ELAN10	25 th Feb 2010.	II	SSN Engg. College , Palm Vein Technology
11	S.Lakshmi Srikanth	III-II	SPARKS'X CARTEL	19 – 20 Feb 2010	Participat ed	Amara Institute of Engg. & Technology
12	I.Harish	III-II	SPARKS'X RETORS	19 – 20 Feb 2010	I	Amara Institute of Engg. & Technology
13	K.Santhosh	III-II	SPARKS'X CARTEL	19 – 20 Feb 2010	II	Amara Institute of Engg. & Technology
14	G.N.R.K. Raju	III-II	SPARKS'X CARTEL	19 – 20 Feb 2010	I	Amara Institute of Engg. & Technology
15	N.V.Jaya Kishore	III-II	SPARKS'X Techno Present	19 – 20 Feb 2010	Participat ed	Amara Institute of Engg. & Technology
16	S.Srujana	III-II	Medha Milan 2010 An Application of Morphological Image Processing to forensics.	29 – 30 Jan 2010	II	Sri Vishnu Engg. College for women, Bhimavaram
17	G.Vijaya Lakshmi	III-II	Medha Milan 2010 An Application of Morphological Image Processing to forensics.	29 – 30 Jan 2010	Participat ed	Sri Vishnu Engg. College for women, Bhimavaram
18	P.Lakshmi Durga	III-II	Medha Milan 2010 Improved Authention Mechanism using keystroke Analysis	29 – 30 Jan 2010	II	Sri Vishnu Engg. College for women, Bhimavaram
19	M.V.Jaya Kishore	III-II	TECHNOFEST 2K10	29 th Jan 2010	I	Siddhartha Engg. College, Kanuru, Vijayawada
20	N.Vijaya Sankar	III-II	TECHNOFEST 2K10	29 th Jan 2010	Participat ed	Siddhartha Engg. College, Kanuru, Vijayawada

21	K.Siva Krishna Kanth	III-II	TECHNOFEST 2K10	29 th Jan 2010	I	Siddhartha Engg. College, Kanuru, Vijayawada
22	G.N.R.K. Raju	III-II	TECHNOFEST 2K10	29 th Jan 2010	II	Siddhartha Engg. College, Kanuru, Vijayawada

2010-2011

S.No	Name	Year/Sem	Title	Date	Prize	College
1	R.Bindu Priya	IV-I	Technograil. Mobile Signature	18 th 19 Sep 2010	Participated	Dept . of CS&SE A.U.
2	B.Anusri	IV-I	Techno grail. Mobile Signature	18 th 19Sep 2010	I	Dept .of CS&SE A.U.
3	M.Lavanya	IV-I	Virinchi 10. Embedded Systems and Control in automation of cars	18 - 20 Sep 2010	II	School of Engg. & Technology SPMVV Thirupati

2011-2012

S.no	Name	Yr/ Sem	Title	Date	Prize	College
1	T.Bharath Kumar J.Sridhar V.Gopi S.Dayakar Reddy	III-I	BACE Workshop on Data Structures through C	26 th June - 11 th July 2011	II	IIT Roorkee
2	R.Sai Kumar P.Venu K.Pradeep	IV-I	Forensics Science DNA Finger print	23 – 25 Sep 2011	II	Bio Axis DNA Research Center
3	P.Venu S.Dayakar Reddy V.Gopi J.Sridhar	IV-I	Techno Zion 11	23 – 25 Sep 2011	I	NIT Warangal
4	R.Sriharsha D.Sowjanya K.Deepthi H. Sharmila P.Bharathi	III-II	LITAM QUEST National Level Technical Symposium	22-23 Dec 2011	Participated	Loyola Institution of Technical And Management, Dhulipalla, Sattenapalli Guntur(Dist).

5	Ch.Siva Bharath Kumar D.Koteswara Rao Sk.Khaja Khutabuddin Sk.Abdul Rahman	III-II	SRASTHA 2011	22-23 Dec 2011	II	Godavari Institute of Engineering & Technology
6	A.Anusha H.Sharmila T.Nirosha K.Deepthi	III-II	BVSR TECH-DHAARANA -2011	28-30 Dec 2011	I	Buchepalli Venkayamma Subbareddy Engineering College, Ongole, Chimakurthy, Prakasam (Dist).
7	T.Aditya Kumar G.Raghu Ram D.Koteswara Rao K.Venkateswarlu Shaik Mohd.	III-II	TECHGENE – 2012	3-4 Jan 2012	I	Priyadarshini Institute of Technology & Science, Chintalapudi,Tenali, Guntur (Dist).
8	B.Prem Kumar M.Paul Bezaleel S.Venkateswarlu Ch.Siva M.Mownika G.Maheswari	III-II	TECHGENE – 2012	3-4 Jan 2012	Participated	Priyadarshini Institute of Technology & Science, Chintalapudi,Tenali, Guntur (Dist).
9	B.Prem Kumar M.Paul Bezaleel S.Venkateswarlu Ch.Siva G.Maheswari	III-II	ELECTROFEST-2012	6-7 Jan 2012	II	Guntur Engineering College, NH-5,Yanamadala, Guntur-522019.
10	R.Ramya Sindhu D.Gayatri	III-II	ESWAR QUEST	7 th Jan 2012	I	Eswar College of Engineering Kesanupalli, Narasaraopet- 522601
11	Y.Chandana	III-II	Recent Trends in Informations and Communication Technology	7-8 Jan 2012	Participated	Krishna University, Machilipatnam - 521001

12	T.Nirosha A.Anusha	III-II	SPURTHI-12	3-4 Feb 2012	I	S.R.K.R Engg. College
13	G.Raghu Ram	III-II	KITS YUVA-2012	18 th Feb 2012	I	KKR & KSR Inst. of Technology and Sciences Guntur-522017
14	B. SatyaTejaswi	III-II	SOURCENXT	18-19 Feb 2012	Participated	GITAM UNIVERSITY Hyderabad Campus
15	T.Nirosha A.Anusha	III-II	RIVALITE – 2K12	29 th Feb 2012	I	Vignan's Nirula Institute of Technology & Science for Women Guntur
16	R.SriHarsha Sk.Rehman	III-II	INGENIOUS 2K12	2-3 rd Mar 2012	I	University College of Engineering, JNTUK Vizianagaram Campus
17	G.Raghu Ram	III-II	ZEITGEIST 2K12	3-4 th Mar 2012	II	Jawaharlal Nehru Technological University Kakinada, UniversityCollege of Engineering

2012-2013

S.no	Name of the student	Branch	College Name	Event
1	CH. Sai Sumanth	III-CSE	E.V.M College of Engineering	Carroms 14/3/13-16/3/13
2	CH. Sai Sumanth	III-CSE	E.V.M College of Engineering	Paper presentation 14/3/13-16/3/13
3	B. Chandra Sekhar	III-CSE	Mittapalli College of Engineering	Paper presentation 8/3/13
4	B. Chandra Sekhar	III-CSE	E.V.M College of Engineering	Shuttle, 14/3/13-16/3/13
5	CH. Sri Kiran	III-CSE	E.V.M College of Engineering	Paper presentation 14/3/13
6	G. Bharadwaj	III-CSE	E.V.M College of Engineering	Carroms, 14/3/13-16/3/13
7	G. Bharadwaj	III-CSE	E.V.M College of Engineering	Paper presentation, 14/3/13-16/3/13
8	CH. Sri Kiran	III-CSE	E.V.M College of Engineering	Shuttle, 14/3/13-16/3/13

9	B. Chandra Sekhar	III-CSE	Mittapalli College of Enginnering	Paper presentation 8/3/13
10	CH. Sri Kiran	III-CSE	Mittapalli College of Enginnering	Paper presentation 8/3/13
11	A. Manjusha	III-CSE	Chalapathi Institute of Technology	Paper presentation 22/3/13
12	D. Chamundeswari	III-CSE	Chalapathi Institute of Technology	Paper presentation 22/3/13
13	M. Mamatha	III-CSE	Chalapathi Institute of Technology	Paper presentation 22/3/13
14	Sk. RahanaParveen	III-CSE	Nalanda Group of Institutions	Paper presentation (TOP TEN TECHNOLOGIES) 2013
15	M. Uma Maheswari	III-CSE	Nalanda Group of Institutions	Paper presentation (TOP TEN TECHNOLOGIES) 2013
16	P. Anusha	III-CSE	E.V.M College of Engineering	PPT(ROBOTIC WHEEL CHAIR SYSTEM) 2013
17	N. Sireesha	III-CSE	E.V.M College of Engineering	PPT(ROBOTIC WHEEL CHAIR SYSTEM) 2013
18	P. Anusha	III-CSE	Bapatla Women's Engg. College	PPT 1/2/2013
19	K V N Prameela Arjun	III-CSE	Blue Eminence	PPT(ANDROID) 3/2/2013
20	K. Narayana Rao	III-CSE	Blue Eminence	PPT(ANDROID) 3/2/2013
21	M. Shalu	III-CSE	Tirumala Engineering College	PPT(INFORMATION SECURITY) 9/1/2013
22	G. SaiSarathBabu	III-CSE	Tirumala Engineering College	PPT (ERR ADICATE) II PRIZE 9/1/2013
23	G. SaiSarathBabu	III-CSE	Tirumala Engineering College	I PRIZE IN TECHNICAL QUIZ
24	G. SaiSarathBabu	III-CSE	Tirumala Engineering College	PPT(SPY-C)
25	M. Avinash	III-CSE	Tirumala Engineering College	PPT(SPY-C)
26	M. Avinash	III-CSE	Tirumala Engineering College	I PRIZE IN TECHNICAL QUIZ
27	A. Sai Priyanka	III-CSE	Tirumala Engineering College	PPT(INFORMATION SECURITY)
28	KVN Prameela Arjun	III-CSE	Tirumala Engineering College	PPT(SPY-C)
29	KVN Prameela Arjun	III-CSE	Tirumala Engineering College	II PRIZE IN PPT(LAN GAMING)
30	KVN Prameela Arjun	III-CSE	Tirumala Engineering College	I PRIZE IN TECHNICAL QUIZ
31	M. Vamsi	II-CSE	Narasaraopet Engineering College	Blue Eminence 7/1/2013
32	K.V.S Manikanta	II-CSE	Narasaraopet Engineering College	Blue Eminence 7/1/2013
33	G. Sai Sarath Babu	III-CSE	Narasaraopet Engineering College	Blue Eminence 7/1/2013
34	G. Raghuvar Kumar	III-CSE	Narasaraopet Engineering College	Blue Eminence 7/1/2013
35	P. Salman Khan	II-CSE	Narasaraopet Institute of Technology	Blue Eminence 7/1/2013
36	M. Shalu Rao	III-CSE	Narasaraopet Institute of Technology	PPT 4/1/2013
37	P. Parveen	III-CSE	Narasaraopet Institute of Technology	PPT 4/1/2013

38	Sk. Shabina	III-CSE	Narasaraopet Institute of Technology	PPT 4/1/2013
39	A. Sai Priyanka	III-CSE	Narasaraopet Institute of Technology	PPT 4/1/2013
40	P. Salman Khan	II-CSE	Narasaraopet Institute of Technology	TECHNICAL QUIZ 4/1/2013
41	G. Sai Sarath Babu	III-CSE	Narasaraopet Institute of Technology	TECHNICAL QUIZ 4/1/2013
42	G. Raghuvar Kumar	III-CSE	Narasaraopet Institute of Technology	TECHNICAL QUIZ 4/1/2013
43	R. Naga Aditya	II-CSE	Narasaraopeta Institute of Technology	POSTER PRESENTATION 4/1/2013
44	K.V.S Manikanta	II-CSE	Narasaraopeta Institute of Technology	POSTER PRESENTATION 4/1/2013
45	P. Anusha	II-CSE	VignanNirula	BrainMesh Web designing 2/3/2013
46	KVN Prameela Arjun	III-CSE	Cambridge International University	Cambridge Certified Security Associate,1/5/2012
47	G. Sai Sarath Babu	III-CSE	Narasaraopet Institute of Technology	TECHNICAL QUIZ 4/1/2013
48	G. Raghuvar Kumar	III-CSE	Narasaraopet Engineering College	Android Workshop, 3/8/2012
49	R. Naga Aditya	II-CSE	Narasaraopet Engineering College	Android Workshop, 3/8/2012.
50	M. Avinash	III-CSE	Narasaraopet Engineering College	28/7/2012,Ehical Hacking & Information Security
51	G. Sai Sarath Babu	III-CSE	Narasaraopet Engineering College	28/7/2012, Ehical Hacking & Information Security
52	Ch. Chandra Sekhar	III-CSE	Narasaraopet Engineering College	28/7/2012, Ehical Hacking & Information Security
53	M.V.A.M.T.Vamsidhar	III-CSE	Narasaraopet Engineering College	28/7/2012, Ehical Hacking & Information Security
54	Y. Raviteja	III-CSE	Narasaraopet Engineering College	28/7/2012, Ehical Hacking & Information Security
55	S. Satish Kumar	III-CSE	Narasaraopet Engineering College	28/7/2012, Ehical Hacking & Information Security
56	M. L D. Priyanka	III-CSE	Narasaraopet Engineering College	28/7/2012, Ehical Hacking & Information Security
57	P. Kavitha	III-CSE	Narasaraopet Engineering College	28/7/2012, Ehical Hacking & Information Security
58	A.Majusha	III-CSE	Narasaraopet Engineering College	28/7/2012, Ehical Hacking & Information Security

59	M. Naresh	III-CSE	Narasaraopet Engineering College	28/7/2012, Ethical Hacking & Information Security
60	D. Bharath Kumar	III-CSE	Narasaraopet Engineering College	28/7/2012, Ethical Hacking & Information Security
61	P.L Sravani	III-CSE	Loyola Institute Of Tech. & Management	PPT 22/12/2012
62	V. Sai Harshini	III-CSE	Loyola Institute Of Tech. & Management	PPT 22/12/2012
63	Y. Raviteja	III-CSE	K. L. University	5/10/12, Paper Presentation
64	D. Gayatri	III-CSE	K. L. University	5/10/12, 1 PRIZE in Paper Presentation
65	R. Ramya Sindhu	III-CSE	K. L. University	5/10/12, 1 PRIZE in Paper Presentation
66	D. Gayatri	III-CSE	Innobuzz	Facebook App Development
67	D. Gayatri	III-CSE	K. L. University	5/10/12, Paper Presentation
68	R. RamyaSindhu	III-CSE	Innobuzz	Facebook App Development
69	K. Karthik	III-CSE	K. L. University	5/10/12, Paper Presentation
70	K. Karthik	III-CSE	K. L. University	5/10/12, SPY-C
71	M. Vamsi	III-CSE	i-genesis	5/10/12, Paper Presentation
72	G. Sai Sarath Babu	III-CSE	Maxthon	6/9/2012, Browser software History and Architecture.
73	KVN Prameela Arjun	III-CSE	Maxthon	6/9/2012, Browser software History and Architecture.
74	K. Narayana Rao	III-CSE	i-genesis	5/9/12, Catch the Bug
75	A.Rajasekhar	III-CSE	i-genesis	5/9/12, Paper Presentation
76	K. Narayana Rao	III-CSE	i-genesis	5/9/12, Paper Presentation
77	K. Narayana Rao	III-CSE	i-genesis	5/9/12, Participation
78	K. Narayana Rao	III-CSE	i-genesis	5/9/12, 1 PRIZE in Movies quiz
79	A.Rajasekhar	III-CSE	i-genesis	5/9/12, Movies Quiz.
80	M. Vamsi	III-CSE	i-genesis	5/9/12, Movies Quiz.
81	A.Prahasith	II-CSE	Narasaraopet Engineering College	Android Workshop, 3/8/2012.
82	M. Paul Bezaleel	III-CSE	Narasaraopet Engineering College	Infinity, II PRIZE, Paper presentation.
83	Sk. Rehman	III-CSE	Narasaraopet Engineering College	Infinity, II PRIZE, Paper presentation.

84	M Mounika	III-CSE	Narasaraopet Engineering College	Infinity, II PRIZE, Paper presentation.
85	G. Maheswari	III-CSE	Narasaraopet Engineering College	Infinity, II PRIZE, Paper presentation.

23. List of eminent academicians and scientists/visitors to the department

S.No	Year	Resource Persons
1	14-07-2009 & 15-7-2009	Dr.T.Kishore Kumar NIT Warangal & Dr.C.B.Rama Rao NIT Warangal
2	18-07-2009	Dr.K.V.Sambasiva Rao Principal, MVGR College of Engineering
3	19-08-2009	Dr.A.Subramanyam Annamacharya Institute of Tech. & Sciences, Rajampet. Kadapa(Dist)
4	15-12-2009	Jaya Chand, Sr.Executive Microsoft Technologies, Hyderabad
5	09-02-2010	Dr.D.Nagendra Rao Vice-Principal JBIT Hyderabad
6	15-07-2010	Prof.N.B.Venkateswarlu, Former Faculty member of BITS,Pilani,India.
7	03-12-2010 & 04-12-2010	P.B.Ranga Consultant, TCS, Hyderabad & K.Sampath Kumar Assr.Consultant, TCS, Hyderabad.
8	05-08-2011	Dr.S.H.Khan, HOD ECE, K.L.University, Vijayawada
9	12-09-2011	A.P.Siva Kumar, Assoc. Prof., Dept. of CSE, JNTU Ananthapur
10	17-09-2011	S.Krishana Rao, CEO, Infopark Software Technoligies, Vijayawada
11	23-09-2011 & 24-09-2011	Prof.N.B.Venkateswarlu, Former Faculty member of BITS,Pilani,India.

12	17-12-2011	M.Sai Chander, Denave India Limited, Hyderabad
13	29-12-2011	Dr.Ch.Rupa, Associate Professor, Vasireddy Venkatadri Institute of Technology, Guntur
14	18-2-2012	Dr.O.B.V.Ramanaiah, Professor, Dept. of CSE, JNTU Hyderabad
15	15-3-2012	Dr.E.Srinivasa Reddy, Vice-Principal & Professor, Dept. of CSE Acharya Nagarjuna University
16	12-04-2012	Dr.Tulasi Ram Das, Vice-Chancellor, JNTU Kakinada
17	21-07-2012	Mr.Vamsi Krishna, ARISCENT, Chennai
18	25-08-2012	Mr.Vamsi Krishna, ARISCENT, Chennai
19	08-09-2012	Mr.V.Siddardh
20	26-09-2012 & 27-09-2012	Mr.Giri & Abhinav rom setch Technologie
21	01-10-2012	Ms.S.Srujana Nihon Communication Solution, Bangalore
22	02-01-2013 & 03--01-2013	Ms.Madhavi, Swtcha Technol
23	07-01-2013 & 08--01-2013	Mr.Abhinav & Dinesh Blue Eminence Delhi & IIT Kharagpur
24	11-01-2013	B.N.Venkatesh, Microsoft
25	21-03-2013	Mrs.G.Madhavi University College of Engineering,JNTUK
26	10-07-2013	Raj Katari, Director of Micro Soft

27	12-07-2013 & 13--07-2013	Dr. G. Tulasi Ram Das Vice Chancellor of JNTUK, Dr.Y.K.Sundara Krishna Principal, Krishna University
28	26-07-2013	P. Ravi Teja S/w Engg. TCS
29	10-09-2013	K.Ranjith Kumar L.G Electronics
30	18-10-2013	Dr.E.V.Prasad Former Rector, JNTUK, Kakinada
31	19-10-2013 & 20-10-2013	Dr.N.B.Venkateswarlu Professor, AITAM, Tekkali

24. Seminars/Conferences/Workshops organized & the source of funding

- a) National
- b) International

S.No	Conferences Attended	Workshops Attended
Students	32	48
Faculty	35	98

Module Description	Funded by	Duration
Advanced Signal Processors	Institute	14-07-2009 & 15-7-2009
Customer Utility based Software Development	Institute	18-07-2009
Software Project Management	Institute	19-08-2009
A Seminar on "Microsoft Certificate Awareness Programme"	Institute	15-12-2009
Recent Trends in Wireless Technology	Institute	09-02-2010
A Seminar on "UBUNTU Operating Systems"	Industry	15-7-2010
Recent Advances in Modeling Languages & Network Programming	Industry	3-12-2010 & 4-12-2010
GSM Technology	Industry	05-08-2011
Web Deployment	Institute	12-9-2011
Technologies and Domains	Industry	17-09-2011
Data Clustering Algorithms	Institute	23-09-2011 & 24-09-2011
Microsoft Technologies	Industry	17-12-2011
Need for Information Security	Institute	29-12-2011
Adhoc and Sensor Networks	Institute	18-2-2012
Object Oriented Analysis & Design	Institute	15-3-2012
Faculty Enablement Programme	Institute	12-04-2012
"Cloud Computing"	Industry	21-07-2012
"IP &MLS "	Industry	25-08-2012
"Android Operating System"	Industry	08-09-2012
System Administration & Python	Industry	26 -09-2012& 27-09-2012
Seminar on "QUALNET	Industry	01.10.2012
Workshop on "Drupal Website Development"	Industry	2-1-2013 & 3-1-2013
Workshop on "ANDROID"	Industry	7-1-2013 & 8-1-2013
Seminar on "Windows 8"	Industry	11-1-2013
Seminar on "Biometrics"	Institute	21-03-2013
Microsoft Technologies	Industry	10-07-2013
Conference on "Computing"	Institute	12-7-2013 & 13-7-2013
Seminar on "Project Development"	Industry	26-07-2013
Seminar on " Mobile Operating System"	Industry	10-09-2013
Hi-Tech trends in Computational Tech.	Institute	18-10-2013 to 20-10-2013

25. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Tech (2012-2013)	103	103	66	37	86
M.Tech(2011-2013)	26	26	20	6	92

*M=Male F=Female

26. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-2014	100	NIL	NIL

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S.No	Year	Name of Exam	No. of Students Qualified
1	2008-2009	GATE	11
2		CAT	05
3		GRE	04
4	2009-2010	GATE	15
5		CAT	06
6		GRE	04
7	2010-2011	GATE	21
8		CAT	03
9		GRE	05
10		TOEFL	02
11	2011-12	GATE	15
12		CAT	04
13		MAT	01
14		IFIM	01
15	2012-13	GATE	05
16		NASSCOM	01

28. Student progression

Student progression	Against% enrolled
UG to PG (2013 Passed outs)	15
PG to M.Phil.	NIL
PG to Ph.D.	4
Ph.D. to Post-Doctoral	NIL
Employed - Campus selection - Other than campus recruitment	261
Entrepreneurship/Self-employment	5

29. Details of Infrastructural facilities

a) Library

b) Internet facilities for Staff & Students

The Department of Computer Science & Engineering consists of a Centralized computing facility with

- 250 number of computing systems with 40Mbps internet facility**
- High configuration loaded with all latest software packages and with internet connectivity. This facility is kept open for the usage of students and staff.**

c) Class rooms with ICT facility

Room Description	Area	Rooms Equipped with
Block I-312	72 Sq.M.	- Glass Board - Student Tables - Provision for LCD Projector with Screen - OHP Projector
Block I-311	72 Sq.M.	
Block I-310	72 Sq.M.	
Block I-301	72 Sq.M.	
Block I-302	72 Sq.M.	
Block I-303	72 Sq.M.	
Block I-307	72 Sq.M.	
Block I-308	72 Sq.M.	
Block I-102	72 Sq.M.	
Block I-103	72 Sq.M.	
Block II-213	76.Sq.M.	
Block II-214	72.Sq.M.	
Block I – 304	72 Sq.M.	
Block I-309	72 Sq.M.	
Block I-212	150 Sq.M.	Chairs, Provision for LCD/OHP Projector

d) Laboratories

Year - Semester	Curriculum Lab Description	Exclusive use/Shared?	Space, Number of Students	Number of experiments		Quality of instruments	Lab manuals
				As per Course	Extra Done		
I - I	C Programming Lab	Shared (Common)	72 Sq.M., #30	16	6	Good	Available
I - II	IT Workshop	Shared (Common)	72 Sq.M., #30	16	3		Available
II - I	Data Structures Lab	Exclusive	72 Sq.M., #30	12	3		Available
II - II	Object Orient Programming Lab	Exclusive	72 Sq.M., #30	26	5		Available
	Data Base Management Lab	Exclusive	72 Sq.M., #30	18	3		Available
III - I	Advanced Data Structures Lab	Exclusive	72 Sq.M., #30	12	3		Available
	Operating Systems & Compiler Design Lab	Exclusive	72 Sq.M., #30	13	3		Available
III - II	Computer Networks & UNIX	Exclusive	72 Sq.M., #30	13	2		Available
	Advanced Java & web Technologies	Exclusive	72 Sq.M., #30	12	3		Available
IV - I	Network Programming Lab	Exclusive	72 Sq.M., #30	12	3		Available
	Web Technologies Lab	Exclusive	72 Sq.M., #30	12	3		Available

30. Number of students receiving financial assistance from college, university, government or other agencies

- 424 UG Students and 44 PG Students are receiving financial assistance from Govt. of Andhra Pradesh in form of scholarship and reimbursement tuition fee.

31. Details on student enrichment Programmes (special lectures/workshops/seminar) with external experts

Module Description	Any other contributory Inst./ Industry	Developed/ organized by	Duration	Resource Persons	Target Audience	Usage and citation etc.
Customer utility based Software development	Institute	Dept. of CSE, NEC, NRT	18/07/2009	Dr. K.V.Sambasiva Rao Principal, MVGR College of Engineering, Vijayawada	B.Tech, PG Students & Faculty	
A Seminar on “Microsoft Certificate Awareness Programme”	Institute	Dept. of CSE, NEC, NRT	15/12/2009	Jaya Chand, Sr. Executive Microsoft Technologies, Hyderabad	B.Tech, PG Students & Faculty	
A Seminar on “UBUNTU Operating Systems”	Industry	Dept. of CSE, NEC, NRT	15/7/2010	Prof.N.B.Venkateswarlu, Former Faculty member of BITS,Pilani,India.	B.Tech, PG Students & Faculty	
Recent Advances in Modeling Languages & Network Programming	Industry	Dept. of CSE, NEC, NRT	3/12/2010 to 04/12/2010	P.B.Ranga, Consultant, TCS, Hyderabad K.Sampath Kumar Asst.Consultant, TCS, Hyderabad	Faculty	
Technologies and Domains	Industry	Dept. of CSE, NEC, NRT	17/09/2011	S.Krishna Rao, CEO, Infopark Software Technologies, Vijayawada	IV B.Tech Students	
Web Deployment	Institute	Dept. of CSE, NEC, NRT	12/9/2011	Prof. A.P.Siva Kumar, Dept. of CSE, JNTU-Ananthapur	B.Tech, PG Students & Faculty	
Data Clustering Algorithms	Institute	Dept. of CSE, NEC, NRT	23/09/2011 to 24/09/2011	Prof.N.B.Venkateswarlu, Former Faculty member of BITS, Pilani, India.	B.Tech, PG Students & Faculty	
Microsoft Technologies	Industry	Dept. of CSE, NEC, NRT	17/12/2011	M.Sai Chander, Denava India Limited, Hyderabad	B.Tech, PG Students & Faculty	

Need for Information Security	Institute	Dept. of CSE, NEC, NRT	17/12/2011	Dr.Ch.Rupa, Associate Professor, Vasireddy Venkatadri Institute of Technology, Guntur	B.Tech, PG Students	
Adhoc and Sensor Networks	Institute	Dept. of CSE, NEC, NRT	18/2/2012	Dr.O.B.V.Ramanaiah, Professor, Dept. of CSE, JNTU Hyderabad	B.Tech, PG Students	
Object Oriented Analysis & Design	Institute	Dept. of CSE, NRT	15/3/2012	Dr.E.Srinivasa Reddy, Vice-Principal & Professor, Dept. of CSE Acharya Nagarjuna University	B.Tech, PG Students	
Faculty Enablement Programme	Institute	College	12/04/2012	Dr.Tulasi Ram Das, Vice-Chancellor, JNTU Kakinada	All Faculty	
Seminar on "Cloud Computing"	Industry	Dept. of CSE, NEC, NRT	21/07/2012	Mr.Vamsi Krishna, ARISCENT, Chennai	B.Tech, PG Students & Faculty	
Seminar on "IP & MLS "	Industry	Dept. of CSE, NEC, NRT	25/08/2012	Mr.Vamsi Krishna, ARISCENT, Chennai	B.Tech, PG Students & Faculty	
Seminar on "Android Operating System"	Industry	College	08/09/2012	Mr.V.Siddardh	B.Tech, PG Students	
Workshop on "System Administration & Python"	Industry	College	26 & 27 Sep 2013	Mr.Giri&Abhinav rom setchTechnologie	B.Tech, PG Students	
Seminar on "QUALNET"	Industry	department	01.10. 2013	Ms.S.Srujana Nihon Communication Solution, Bangalore	B.Tech, PG Students & Faculty	

Workshop on “Drupal Website Development”	Industry	department	2 & 3 Jan 2013	Ms.Madhavi, SwtchaTechnol	B.Tech Students	
Workshop on “ANDROID”	Industry	College & other colleges	7,8 Jan 2013	Mr.Abhinav & Dinesh Blue Eminence Delhi & IIT Kharagpur	B.Tech students	
Seminar on “Windows 8”	Industry	College	Jan/11/2013	B.N.Venkatesh, Microsoft	B.Tech students	
Seminar on “Biometrics”	Institute	CSE & IT	21/03/13	Mrs.G.Madhavi University College of Engineering, JNTUK	B.Tech students	

32. Teaching methods adopted to improve student learning

Apart from the conventional black board teaching the following methods being adopted/ introduced in order to improve the knowledge of students through the innovative methods of content delivery.

1. Chalk &Talk
2. OHP
3. LCD Projector
4. Intranet/Internet
5. Role Play
6. Working Model/Visual Charts
7. Digital Library
8. Video Lectures

33. Participation in Institutional Social Responsibility (ISR) and Extension activities

34. SWOC analysis of the department and Future plans

Strengths :

1. Good infrastructure facilities
2. Highly qualified and committed faculty
3. Well established laboratories with systems of latest configuration and software
4. Accredited twice by NBA
5. Good student strength
6. Platinum partner with Microsoft

Weakness:

1. R&D and consultancy activities to be improved
2. Located in the rural area
3. Lack of industry interaction
4. Collaborative programs to be initiated

Opportunities:

1. Lot of opportunity of employment in software and hardware industry
2. Lot of opportunity for accepting consultancy and sponsored research activities

Challenges:

1. Heavy competition as more number of colleges established in the state in general and particularly in Guntur district
2. All seats are not filled in all over the state due to more number of seats available in the course
3. Recently students are opting for core engineering branches like Civil, Mechanical, ECE etc.,
4. Lack of language proficiency among the students
5. Poor quality of input due to more reservations

Evaluative Report of IT Department

Department of Information Technology (IT) started in the year 1998 with an intake of 40 raised to 60 in the year 2000 and again raised to 90 in the year 2001.

Department of Information Technology (IT) imparts students with superior education in Information Technology and prepares them for a lucrative future in the growth-oriented IT industry.

The department is equipped with most-modern, spacious and fully air-conditioned computer labs where students hone their skills. The facilities at the labs include personal computers with the most recent processors which are connected to the internet for the reference purpose of students. The labs have been invested with all the authentic software applications. The other features include an LCD projector to bring alive the classes and for seminar needs as well as UPS for uninterrupted use during power cuts.

Dedicated and eminent faculty is the strength of the Department under the supervision of HOD, who is a visionary with wide experience.



Dr.T. Venkateswara Rao, M.E., Ph.D.
Professor & Head, Department of IT

Department Summary

Short Term Goals

1. To include ethical, moral and value based education system in the institution.
2. To improve the students' Academic performances to achieve 100% results.
3. To improve campus placements.
4. To develop domain specific expertise amongst department faculty.
5. To develop product development facilities in the department.

Long Term Goals

- To develop International leaders in Technology.
- To encourage faculty to indulge in research activities.
- To develop R&D center in the Department.
- To emerge as a center of excellence and ultimately become a deemed university.

1. **Name of the department** : IT
2. **Year of Establishment** : 1998
3. **Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

Program	Description
UG (B.TECH) in IT	Started with 40 seats in 1998-99
	Intake increased to 60 in 2000-01
	Intake increased to 90 in 2001-02
	Accredited by NBA-AICTE in 2009 for 3 years

4. **Names of Interdisciplinary courses and the departments/units involved :**

Electronic Devices and Circuits	:	(ECE Dept.)
DataCommunication	:	(ECE Dept.)
Mathematical Foundations of Computer Science and Engineering:		(BS&H Dept.)
Probability & Statistics	:	(BS&H Dept.)
English Communication Practice –I	:	(BS&H Dept.)
English Communication Practice – II	:	(BS&H Dept.)
Managerial Economics and Financial Analysis	:	(MBA Dept.)
IPR & Patents-1	:	(MBA Dept.)
IPR & Patents-2	:	(MBA Dept.)

5. **Annual/semester/choice based credit system (programme wise):**

Programme of Study	Description
Under Graduate Program in IT	8 Semesters

6. **Participation of the department in the courses offered by other departments:**

C Programming	:	(ME and Civil Engg. Depts.)
IT Workshop	:	(ME and Civil Engg. Depts.)
Database Management Systems	:	(ME Dept.)
Computer Graphics	:	(M.TechME Dept.)
Computer Organization	:	(EEE Dept.)
Internet Protocols	:	(M.TechECE Dept.)

7. Courses in collaboration with other universities, industries, foreign institutions, etc. :

-NIL-

8. Details of courses/programmes discontinued (if any) with reasons : NA

9. Number of Teaching posts

Year	No. of Professors	No. of Associate Professors	No. of Assistant Professors	Total
CAYm3(10)	3	3	13	19
CAYm2(11)	3	5	12	20
CAYm1(12)	3	4	14	21
CAY(13)	2	4	14	20

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M. Phil. etc.,)

Name of the Faculty	Qualification University and year of graduation	Designation	Specialization
Dr.T.Venkateswara Rao	M.E, University of Madras (1979), Ph.D from Wayne State University (1992)	Professor	Microprocessors
Prof.S. Gopi Krishna	M.Tech AU (2001) (Ph.D) ANU	Professor	E-Commerce
G.L.N.Jayaprada	M.Tech (CSE) (JNTU Kakinada 2011)	Assoc. Prof.	Design Patterns
K.NitalaksheswaraRao	M.Tech JNTU Kakinada 2009	Assoc. Prof.	Distributed Systems
B.LaluNaik	M.Tech (Andhra University)2007	Assoc. Prof.	Compiler Design
V.Kesava Kumar	M.Tech 2007 Podicherry University	Assoc. Prof.	Operating Systems
G.Ishmaiel	M.Tech JNTUK, 2010	Asst. Prof.	Software Engineering
V. Madhava Naidu	M.Tech JNTU Kakinada 2010	Asst. Prof.	Data Warehousing & Mining
D.Sunitha	M.Tech, JNTUK 2011	Asst. Prof.	Open Source Software
G.Vijay Kumar	M.Tech JNTU Hyderabad 2011	Asst. Prof.	Cryptography & NetworkSecurity
O.Gandhi	M.Tech, JNTU Kakinada 2012	Asst. Prof.	Data Mining
V.Sandhya Rani	M.Tech, JNTU Kakinada 2012	Asst. Prof.	Computer Networks
R.Neelima Devi	B.Tech, JNTU Kakinada 2010	Asst. Prof.	Web Technologies
Sk.Abdul Rasheed	M.Tech, JNTUH 2012	Asst. Prof.	Operating System
K.Anitha	M.Tech, ANU 2011	Asst. Prof.	Computer Organization
M. Suresh	M.Tech, JNTU Kakinada 2010	Asst. Prof.	Database Management System
V.Srinivasa Rao	M.Tech, JNTU Kakinada 2010	Asst. Prof.	Data Structures
P.Naga Lakshmi	M.Tech, JNTUK 2012	Asst. Prof.	Computer Graphics
Y.N.Murali Krishna	M.Tech, ANU 2009	Asst. Prof.	Embedded Systems
N. Venkatram	M.Tech, JNTU 2009	Asst. Prof.	Networks

11. List of senior visiting faculty:

-NIL-

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:

-NIL-

13. Student -Teacher Ratio(programme wise):

Year	STR
CAYm3(10)	14.21
CAYm2(11)	13.5
CAYm1(12)	12.85
CAY(13)	15

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

9 Technical staff

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Name of the Faculty	Qualification University and year of graduation
Dr.T.Venkateswara Rao	M.E, University of Madras (1979) Ph.D Wayne State University (1992)
Prof. S. Gopi Krishna	M.Tech, AU (2001) (Ph.D) ANU
G.L.N.Jayaprada	M.Tech (CSE) JNTU Kakinada 2011
K.Nitalaksheswara Rao	M.Tech,JNTU Kakinada 2009
B.Lalu Naik	M.Tech (Andhra University) 2007
V.Kesava Kumar	M.Tech 2007 Podicherry University
G.Ishmaiel	M.Tech, JNTUK, 2010
V. Madhava Naidu	M.Tech, JNTU. Kakinada 2010
D.Sunitha	M.Tech, JNTUK, 2011
G.Vijay Kumar	M.Tech JNTUH 2011
O.Gandhi	M.Tech, JNTU Kakinada 2012
V.Sandhya Rani	M.Tech, JNTU Kakinada 2012
Sk.Abdul Rasheed	M.Tech, JNTUH 2012
K.Anitha	M.Tech, ANU 2011
M. Suresh	M.Tech, JNTU Kakinada 2010
V.Srinivasa Rao	M.Tech, JNTU Kakinada 2010
P.Naga Lakshmi	M.Tech, JNTUK 2012
Y.N.Murali Krishna	M.Tech, ANU 2009
N. Venkatram	M.Tech, JNTU, 2009

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: -NIL-

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: -NIL-

18. Research Centre /facility recognized by the University: NA

19. Publications:

* a) Publication per faculty

PUBLICATIONS

2009-10:

International Journal:

1. Sri T.Venkateswara Rao has published a paper titled ***A low indexed Context Based Neural Network Approach for Natural Objects Recognition*** in *International Journal of Computer & Information Technology*.
2. Sri T.Venkateswara Rao has published a paper titled ***An Integrated Contest Modeling Approach to Neural for Natural Network for Natural Image Recognition*** in *International Journal of Recent Trends in Soft Computing & Information Technology*.

National Journal: -NIL-

International Conference: -NIL-

National Conference:

1. Smt. G.L.N.Jayaprada has published a Paper titled ***A Novel Framework in Association Rule Mining*** in *Wireless technologies for Urban Security-2010*.
2. Smt.G.L.N.Jayaprada has published a Paper titled ***Evaluation of the efficiency of FEC coding in Combating Network Packet Losses*** in *Wireless technologies for Urban Security-2010*.
3. Sri S.Gopi Krishna has published a Paper titled ***Provably Secure Three-party Authenticated Quantum key distribution protocols*** in *Wireless technologies for Urban Security-2010*.
4. Sri S.Gopi Krishna has published a Paper titled ***A Fully Distributed Proactively Secure Threshold-Multisignature Scheme*** in *Wireless technologies for Urban Security-2010*.

2010-11

International Journal:

1. Sri T.Venkateswara Rao has published a paper titled ***Significant storage on sensor storage space energy consumption and better Security based on routing in hybrid sensor networks*** in *International Journal of adhoc. & ubiquitous computing*.
2. Sri T.Venkateswara Rao has published a paper titled ***Neural network based Context Dependent Recognition Approach for Low Indexed Images*** in *International Journal of Computational Intelligence Research*.
3. Sri S.Gopi Krishna has published a Paper titled ***Continuous Monitoring of Spatial Queries in Wireless Broadcast Environments*** in *International Journal of Advanced Engineering Sciences and Technologies*.

4. Sri B.LaluNaik has published a Paper titled **Adaptive DCF of MAC for VoIP services using IEEE802.11 networks** in *International Journal on Recent Trends in Engineering & Technology*.

National Journal: -NIL-

International Conference:

1. Sri T.Venkateswara Rao has published a paper titled **Robust Invariant Neuron Modeling for Pattern Recognition** in *Proceedings of the Fourth International Conference on Information Processing*.
2. Sri T.Venkateswara Rao has published a paper titled **Natural Image Classification using Content based Image Retrieval** in *Proceedings of the International Conference on Recent Trends on Multimedia and Content based Image Retrieval*.

National Conference: -NIL-

2011-12:

International Journal:

1. Sri T.Venkateswara Rao has published a paper titled **Multicore Processing for Classification and Clustering Algorithms** in *International Journal of Computational Intelligence Research*.
2. 4. Sri T.Venkateswara Rao has published a paper titled **Hiding the Text information using Steganography** in *International Journal of Engineering Research and Applications*.
3. 5. Sri T.Venkateswara Rao has published a paper titled **Dynamic Allocation of Proxies for Improveing the Performance** in *International Journal of Computer & Organization Trends*.
4. Sri S.Gopi Krishna has published a Paper titled **Secure Digital Signature Scheme for Image Authentication Over Wireless Channels** in *International Journal of Computer Technology and Applications*.
5. Smt. G.L.N.Jayaprada has published a Paper titled **An IP Trace Back System To Find The Real Source Of Attacks** in *International Journal of Computer Trends and Technology*.
6. Sri B.Lalu Naik has published a Paper titled **Enhanced Channel Access Mechanism for VOIP**
7. **Services in iee 802.11 Networks** in *International Journal of Modern Engineering Research (IJMER)*.
8. SmtD.Sunitha has published a paper titled **Measurment and Modeling of Mobile Ad-hoc Networks: It's Performance Analysis Using NS2** in *International Journal of Advanced Engineering Sciences and Technology*.

National Journal: -NIL-

International Conference:

1. Smt. G.L.N.Jayaprada has published a Paper titled **Efficient Retrieval of data from very large data bases using Dynamic indexes created by Apriori algorithm** in *International Conference on Nano Science, Engineering and Advanced Computing*.
2. Smt. G.L.N.Jayaprada has published a Paper titled **Automatically Determining The Number of Clusters in Unlabeled Data Sets** in *International Conference on Nano Science, Engineering and Advanced Computing*.

3. Sri S.Gopi Krishna has published a Paper titled **Analysis of peer to peer networks in Mesh Topologies** in *International Conference on Computer Science and Engineering*.
4. Sri S.Gopi Krishna has published a Paper titled **Robust TCP for NCL : A solution for packet re-ordering and random packet loss** in *International Conference on Advances in Mathematical and Computational Methods*.

National Conference:-NIL-

2012-2013:

International Journal:

1. Sri T.Venkateswara Rao has published a paper titled **A Novel approach to deal with multiple Qos Constrained Scheduling Strategy of multiworkflows using Decentralized algorithms and Networks Overlays** in *International Journal of GJCAT*.
2. Sri T.Venkateswara Rao has published a paper titled **Iconic web retrieval system using Ontologies** in *VSRd international journal of computr science and information and technology*.
3. Sri T.Venkateswara Rao has published a paper titled **A Novel class imbalance Learning method using Neural networks** in *international journal of applied information systems*.
4. Sri T.Venkateswara Rao has published a paper titled **Hiding the Text information using Steganography** in *international journal of engineering research and applications*.
5. Sri T.Venkateswara Rao has published a paper titled **Dynamic allocation of proxies for improving the performance** in *international journal of computer & organization trends*.
6. Miss.V.Sandhya Rani has published a paper titled **An Adaptive ACK Scheme for improving TCP throughput in Multi-hop Wireless Networks** in *International journal of Advanced Computer And Engineering Architecture*.

National Journal: -NIL-

International Conference:

3. Smt. G.L.N.Jayaprada has published a Paper titled **Hash Tree Cloud Storage For Better Data Integrity and Security** in *International Conference on Recent Trends in Computer Science Engineering*.
4. Smt. G.L.N.Jayaprada has published a Paper titled **Reducing Communication Overhead in Ciphering @ De-Ciphering Wireless Broadcast Services** in *International Conference on Recent Trends in Computer Science Engineering*.

National Conference: -NIL-

Name of the Faculty	Designation	Number of research publications in journals and conferences since joining
Dr.T.Venkateswara Rao	Professor	2
Prof. S. Gopi Krishna	Professor	5
G.L.N.Jayaprada	Assoc. Professor	7
B.LaluNaik	Assoc.Professor	2
D.Sunitha	Asst. Professor	1
V.Sandhya Rani	Asst. Professor	1

- * Number of papers published in peer reviewed journals (national/international) by faculty and students 6
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Monographs
- * Chapter in Books
- * Books Edited
- * Books with ISBN/ISSN numbers with details of publishers
- * Citation Index
- * SNIP
- * SJR
- * Impact factor
- * h-index

20. Areas of consultancy and income generated :**2009-10**

S.NO	Name of the faculty	Year	Consultancy	Amount
1	Mrs.G.L.N.Jayaprada Mr.Ch.SureshBabu	2009-10	Training Program on MMAD in SMCE	Rs.30,000
2	Mrs.G.L.N.Jayaprada Mr.Ch.SureshBabu	2009-10	Training Program on MWT in NIT	Rs.20,000

2010-11

S.NO	Name of the faculty	Year	Consultancy	Amount
1	Mrs.G.L.N.Jayaprada Mr.Ch.SureshBabu	2010-11	Training Program On Web Technologies in NIT	Rs.20,000
2	Dr.D.Ravi Kiran Prof.V.Mahesh Babu Mr.B.Lalu Naik	2010-11	Attendance Management Project for Balaji Infotech	Rs.20,000

2011-12

S.NO	Name of the faculty	Year	Consultancy	Amount
1	Mr.B.Lalu Naik Mr.B.V.Rama Krishna Mr.G.Ishmaiel Mrs.D.Suneetha	2011-12	Library Management System using RFID tags for SMITW	Rs.50,000
2	Mr..V.Mahesh Babu Mr.Ch.Suresh Babu Mr.R.Lalu Naik Mrs.G.L.N.Jayaprada	2011-12	Structured Cabling for SMCE	Rs.1,00,000
3	Dr.D.Ravi Kiran Mr.G.Syam Prasad	2011-12	Establishment of CC Cameras for Mittapalli Spinners	Rs.1,50,000

2012-13

S.NO	Name of the faculty	Year	Consultancy	Amount
1	Mr.B.Lalu Naik Mr.V.Madhava Naidu Ms.R.Neelima Devi	2012-13	Patient case sheet Maintenance Project for Sri Venkateswara Ayurvedic Hospital, Guntur	Rs.10,000
2	Mr.G.Vijay Kumar Mr.O.Gandhi Ms.Sandhya Rani	2012-13	Student Report Maintenance Project for Nehru NiketanConvent,Tenali	Rs.10,000
3	Mr..V.Mahesh Babu Mr.G.Ishmaiel Mrs.D.Suneetha	2012-13	Website Development for Nehru Niketanconvent, Tenali	Rs.6,000

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

Sl.No.	Name of the Faculty	Name of the professional society ISTE/CSI
1	Dr.T.Venkateswara Rao	LMISTE
2	Mr.S.Gopi Krishna	LMISTE

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

: -NIL-

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : 100%

23. Awards/Recognitions received by faculty and students:

Students:

S. No	Name of the Student	Name of the Program	Title of the Paper	Organizers	Position Secured
1	K. Rakesh Kumar	Infinity 2k13	Cloud Computing	Osmania University, Hyderabad	First Prize
2	K. Rakesh Kumar	Qisfest 2k13	The Brain Finger Printing Technology	QIS College of Engg. & Technology, Ongole	First Prize
Students Participated in paper presentations					
3	B L Priyanka	Luminous 2k13	Artificial intelligence	Bapatla Women's Engg. College, Bapatla	Participation
4	J.Manaswini	Luminous 2k13	Artificial intelligence	Bapatla Women's Engg. College, Bapatla	Participation
5	K.Naga Lakshmi Divya	Luminous 2k13	Brain Computer Interface	Bapatla Women's Engg. College, Bapatla	Participation
6	B.Naga Lakshmi Priyanka	Luminous 2k13	Brain Computer Interface	Bapatla Women's Engg. College, Bapatla	Participation
7	P.Divya	Luminous 2k13	Iris Recogniztion	Bapatla Women's Engg. College Bapatla	Participation
8	M.Sireesha	Vaganza 2k13	Embedded Systems	Nalanda Group of Institutions, Sattenapalli	Participation
9	K.V.N Jyothi	Vaganza 2k13	Biometrics	Nalanda Group of Institutions, Sattenapalli	Participation
10	T.S.L.Ramya	Vaganza 2k13	Biometrics	Nalanda Group of Institutions, Sattenapalli	Participation
11	Y.Sravani	Vaganza 2k13	Embedded systems	Nalanda Group of Institutions, Sattenapalli	Participation
12	Y.Spandana	Vaganza 2k13	Steganography	Nalanda Group of Institutions, Sattenapalli	Participation
13	K Rakesh Kumar	Vaganza 2k13	Steganography	Nalanda Group of Institutions, Sattenapalli	Participation
14	M Siresha	Colosseum'13	Steganography	Chalapathi Institute of Technology, Guntur	Participation
15	K Rakesh Kumar	Colosseum'13	Grid Computing	Chalapathi Institute of Technology, Guntur	Participation

16	K.Rakesh Kumar Reddy	Paper presentations	Next Generation Grids and Distributed Systems	LITAM, Sattenapalli	First Prize
17	Ch.Chaitanya Krishna & S. Lavanya Sai Naga Bala	Techgenie- 2012 Paper Presentations	Heart failure alert Systems	Priyadarshini Institute of Technology and Sciences, Tenali	Second Prize
18	K.Rakesh Kumar Reddy & P.Jaya Anupama	Paper Presentations	Grid computing	Vignan University, Vadlamudi	Second Prize
19	K.Rakesh Kumar Reddy & K.Sravya	Paper Presentations	Multimedia applications	A.M.Reddy Engineering College, Narasaraopet	Second Prize
20	Ch.Chaitanya Krishna & S.Lavanya Sai Naga Bala	Jignasa -2011 Paper Presentations	Network Security and Cryptography	PSCMR Engineering College, Vijayawada	Third Prize
21	M Praveen	Perceptions'11	Paper Presentation	Nimra college, Vijayawada	First Prize
22	U Navya	Mr. & Miss Sparks	SparksXI	AIET, Narasaraopet	Miss Spark
23	U Navya	Cartel	SparksXI	AIET, Narasaraopet	First Prize
24	V Sudha Sravani	Perceptions'11	Paper Presentation	Nimra college, Vijayawada	Second Prize
25	U Navya	Perceptions'11	Paper Presentation	Nimra college, Vijayawada	Second Prize
26	T Jaya Anupama	Cartel	SparksXI	AIET, Narasaraopet	First Prize
27	T Jaya Anupama	General Quiz	Sprava2k10	Dr.BVRIT, Hyderabad	Second Prize
28	K Harish	Robotics	Sprava2k10	Dr. BVRIT, Hyderabad	Second Prize
29	V Chandra Sekhar	Robotics	Sprava2k10	Dr. BVRIT, Hyderabad	Second Prize
30	K Vijay	Robotics	Sprava2k10	Dr. BVRIT, Hyderabad	Second Prize
31	D Praneeth	Side face recognition for space approach	Virinchi10	School of Engineering &Technology, Padmavathi University, Tirupathi	First Prize

32	G Aparna Devi	Side face recognition for space approach	Virinchi10	School of Engineering &Technology, Padmavathi University, Tirupathi	First Prize
33	K Maniteja	Robotics	Sprava2k10	Dr BVRIT, Hyderabad	Second prize
34	K Harish	Robotics	Sprava2k10	Dr BVRIT, Hyderabad	Second prize
35	G Krishna Rajendra	Hack-o-mania	Workshop	I3indya technologies	
36	K V N Mani Teja	Android	Next gen computech	CSI	
37	N Suresh	Android	Next gen computech	CSI	
38	Y Ravi Teja	Android	Next gen computech	CSI	
39	B Vinod Kumar	Android	Next gen computech	CSI	
40	B Siva Naga Raju	Code bond	sparks XI	AIET, Narasaraopet	
41	K Harish	Expresso	sparks XI	AIET, Narasaraopet	
42	M Pradeep	Expresso	sparks XI	AIET, Narasaraopet	
43	K Harish	Ad –corner	sparks XI	AIET, Narasaraopet	
44	K Harish	8-pixela	sparks XI	AIET, Narasaraopet	
45	M Praveen	Mr&Miss sparks	sparks XI	AIET, Narasaraopet	
46	U Navya	AD-corner	sparks XI	AIET, Narasaraopet	
47	T Jaya Anupama	Mr& Miss sparks	sparks XI	AIET, Narasaraopet	
48	T Jaya Anupama	AD-corner	sparks XI	AIET, Narasaraopet	
49	U Navya	Airborne internet	Convergence 2k11	VJIT, HYD	
50	M Praveen	Artificial Intelligence	Convergence 2k11	VJIT, HYD	
51	V Sudha Sravani	Artificial Intelligence	Convergence 2k11	VJIT, HYD	
52	T Jaya Anupama	Air borne internet	Convergence 2k11	VJIT, HYD	
53	T Jaya Anupama	Cyber Security	Generation next	VVIT, Guntur	
54	U Navya	Cyber Security	Generation next	VVIT, Guntur	

55	V Sudha Sravani	Mahotsav 2011	Paper Presentation	Vignan University, Vadlamudi	
56	T Jaya Anupama	Mahotsav 2011	Paper Presentation	Vignan University, Vadlamudi	
57	V Sudha Sravani	Nirulostav 2011	Paper Presentation	Vignan Nirula, Guntur	
58	T Jaya Anupama	Nirulostav 2011	Paper Presentation	VignanNirula, Guntur	
59	T Jaya Anupama	Robotics-ai	Eswar Quest	Eswar college of Engineering, Narasaraopet	
60	U Navya	Robotics-ai	Eswar Quest	Eswar college of Engineering, Narasaraopet	
61	B Vinod Kumar	Nono Technology	Eswar Quest	Eswar college of Engineering, Narasaraopet	
62	B Siva Naga Raju	NanoTechnogy	Eswar Quest	Eswar college of Engineering, Narasaraopet	
63	M Anusha	General Quiz	Sprava2k10	Dr BVRIT, HYD	
64	M Pradeep	General Quiz	Sprava2k10	Dr BVRIT, HYD	
65	N Prasanthi	General Quiz	Sprava2k10	Dr BVRIT, HYD	
66	U Navya	General Quiz	Sprava2k10	Dr BVRIT, HYD	
67	V Puspaltha	General Quiz	Sprava 2k10	Dr BVRIT,HYD	
68	K Harish	General Quiz	Sprava2k10	Dr BVRIT,HYD	
69	K Maniteja	General Quiz	Sprava2k10	Dr BVRIT,HYD	
70	K Harish	Sprava2k10	Robotics workshop	Dr BVRIT, HYD	
71	U Navya	Sprava2k10	Robotics workshop	Dr BVRIT,HYD	
72	V Sudha Sravani	Sprava2k10	Robotics workshop	Dr BVRIT,HYD	
73	N Bindhu	Sprava2k10	Robotics workshop	Dr BVRIT, HYD	
74	N Anusha	Sprava2k10	Robotics workshop	Dr BVRIT,HYD	
75	S Sitamma	Sprava2k10	Robotics workshop	Dr BVRIT, HYD	
76	N Prasanthi	Sprava2k10	Robotics workshop	Dr BVRIT, HYD	
77	M Anusha	Sprava2k10	Robotics workshop	Dr BVRIT,HYD	
78	SkHaseena	Sprava2k10	Robotics workshop	Dr BVRIT, HYD	
79	K Maniteja	Sprava2k10	Robotics workshop	Dr BVRIT, HYD	
80	V Puspaltha	Sprava2k10	Robotics workshop	Dr BVRIT, HYD	
81	M Pradeep	Sprava2k10	Robotics workshop	Dr BVRIT,HYD	

82	Y Ravi Teja	Sprava2k10	Robotics Workshop	Dr BVRIT, HYD	
83	N Sai Prasanna	Workshop	Embedded flow for Robotics level-1	VBSEC, Vijayawada	
84	S Susma	Workshop	Embedded flow for Robotics level-1	VBSEC, Vijayawada	
85	T Anusha	Workshop	Embedded flow for Robotics level-1	VBSEC, Vijayawada	
86	T Ramya	Workshop	Embedded flow for Robotics level-1	VBSEC, Vijayawada	
87	M Kusuma Madhuri	Workshop	Embedded flow for Robotics level-1	VBSEC, Vijayawada	
88	T Jaya Anupama	Robotics	Sprava2k10	Dr BVRIT, HYD	
89	P Siva Naga Lakshmi	Robotics Workshop	Sprava2k10	Dr BVRIT, HYD	
90	K Sirisha	Robotics Workshop	Sprava2k10	Dr BVRIT, HYD	
91	K V Harish	Robotics Surgery	Virinchi10	School of Engineering & Technology Padmavathi Mahila University, Tirupathi	
92	P Divya	Quiz & Dumcharades	Virinchi10	School of Engineering & Technology, Tirupathi	
93	G Aparna Devi	Quiz & Dumcharades	Virinchi10	School of Engineering & Technology, Tirupathi	
94	D Praneeth	Quiz & Dumcharades	Virinchi10	School of Engg. & Technology, Tirupathi	
95	L Vijaya	Biometrics	Virinchi10	School of Engineering & Technology, Tirupathi	

24. List of eminent academicians and scientists/visitors to the department

Module Description	Resource Persons
Research Avenues in Global Positioning Systems	Dr.G.Sai Sasi Bhushan Rao, Head, ECE Dept. Andhra University, & Dr. T.Madhu, Principal, Swarnandhra College of Engineering Technology
Awareness Program on Microsoft Certification Programs	Mr. Sai Kiran
Swami Vivekananda 150 th Birth Day Celebrations. Awareness program on Indian Culture and Traditions	Mr.Appala Prasad President of Viveka Seva Samithi
Development of Software Projects in Software Industries	Mr. P. Ravi Teja Software Engineer, TCS
Inauguration of Microsoft Innovation Centre & Microsoft Ed-vantage Platinum level campus Program	Mr. Raj Kotari
Biometrics	Mrs.G.Madhavi
Personality Development programme	Mr.M.Praveen
Workshop on ANDROID	Mr.Devesh & Mr.Abhinav
Website Development using Drupal	Ms.Madhavi
Workshop on System Administration	Mr.Giri & Mr.Abhinav
Android Operating System	Mr.V.Siddhardha
Personality Development programme	Sevyananda Swami
One day seminar on IP and MPLS	Mr.Vamsi Krishna, ARICENT, Chennai
One-day seminar on Cloud Computing	Mr.Vamsi Krishna, ARICENT, Chennai
One day seminar on Windows 8	Mr.B.N.Venkatesh
Faculty Enablement Programme	Dr.G.Tulasi Ram Das, Vice-Chancellor, JNTU Kakinada
Object Oriented Analysis & Design	Dr.E.Srinivasa Reddy, Vice-Principal & Professor, Dept. of CSE Acharya Nagarjuna University
Adhoc and Sensor Networks	Dr.O.B.V.Ramanaiah, Professor, Dept. of CSE, JNTU Hyderabad
Need for Information Security	Dr.Ch.Rupa, Professor in Dept of CSE, VVIT, GNT.
Microsoft Technologies	Mr.M.SaiChander Reddy, Technical Relationship Manager, Microsoft Geo Expansion Team, Denave India Pvt.Ltd., HYD.
Data Clustering Algorithm	Prof.N.B.Venkateswarlu, Former Faculty member of BITS, Pilani, India
Technologies and Domains	S.KrishnaRao,CEO, infopart, Software Technologies
Web Deployment	Prof.A.P.Siva Kumar, Dept. of CSE, JNTU – Ananthapur

Recent advancements in modeling languages & Network Programming	P.B.Ranga Consultant, TCS, HYD, K.Sampath Kumar, Asst.Consultant, TCS, HYD.
Seminar on “UBUNTU Operating Systems”	Prof.N.B.Venkateswarlu, Former Faculty member, BITS, Pilani, India.
A Seminar on “Microsoft Certificate Awareness Programme”	Jaya Chand, Sr. Executive Microsoft Technologies, Hyderabad
Customer utility based software Development	Dr.K.V.Samba Siva Rao, Principal, MVGR College of Engg.

25. Seminars/Conferences/Workshops organized & the source of funding

a) National

S.No	Name of the Society	Date	Activity	Resource person(s)
1	IEEE	14.07.2009 & 15.07.2009	2-day workshop on “Advanced Signal Processors”	Dr.T.Kishore Kumar, N.I.T Warangal Dr.C.B. Rama Rao, N.I.T Warangal
2	ISTE	18.07.2009	A Seminar on “Customer utility based Software development”	Dr. K.V.Sambasiva Rao, Principal, MVGR College of Engg.
3	IEEE	15.12.2009	A Seminar on “Microsoft Certificate Awareness Programme”	Jaya Chand, Sr. Executive Microsoft Technologies, Hyderabad
4	ISTE	09.2.2010	Guest Lecture on “Recent trends in wireless Technology”	Dr.D.Nagendra Rao, Vice Principal, J.B.I.T., Hyderabad.
5	ISTE	3/12/2010 to 04/12/2010	Two-Day National Level Workshop on “Recent Advances in Modeling Languages & Network Programming”	P.B.Ranga, Consultant, TCS, Hyderabad K.Sampath Kumar, Asst. Consultant, TCS, Hyderabad
6	ISTE	05/8/2011	One-Day Seminar on “ GSM Technology”	Dr. S.H .Khan, Head, Dept. Of ECE, K. L. University, Vijayawada
7	ISTE	17/09/2011	One-Day Seminar on “Technologies and Domains”	S.KrishnaRao, CEO, Infopark Software Technologies, Vijayawada
8	ISTE	12/9/2011	One-Day Seminar on “Web Deployment”	Prof. A.P.Siva Kumar, Dept.of CSE, JNTU-Ananthapur
9	ISTE	23/09/2011 to 24/09/2011	Two-Day National Level Workshop on “Data Clustering Algorithms”	Prof.N.B.Venkateswarlu, Former Faculty member of BITS, Pilani, India.
10	ISTE	17/12/2011	One-Day Seminar on “Microsoft Technologies”	M.Sai Chander, Technical Relationship Manager, Microsoft Geo ExpansionTeam Denave India Pvt. Ltd., Hyderabad

11	ISTE	18/02/2012	One-Day Seminar on “Adhoc Networks and Sensor Networks”	Dr.O.B.V.Ramanaiah, Professor, Dept. of CSE, JNTU Hyderabad
12	ISTE	15/3/2012	One Day Seminar on “Object Oriented Analysis and Design”	Dr.E.Sreenivasa Reddy Professor & Vice-Principal Dept. of CSE, Acharya Nagarjuna University.
13	ISTE	02/01/2013 & 03/01/2013	Workshop on “Website Development using Drupal”	Ms.Madhavi, Swetcha Technologies
14	ISTE	07/01/2013 & 08/01/2013	Android workshop	Mr. Devesh & Mr. Abhiram
15	ISTE	21/03/2013	One day seminar on Bio-metrics	Mrs. G.Madhavi, Asst Prof. University College of Engineering, Vizianagaram
16	ISTE	12/06/2013 & 13/06/2013	NECICC-2K13 International Conference on Computing	Prof.G.Tulasi Ram Das VC, JNTUK & Prof. Y.K.Sundara Krishna, i/c Principal, Krishna University Campus College
17	ISTE	09/07/2013 & 10/07/2013	Inauguration of Microsoft Innovation Centre & Microsoft Ed- vantage Platinum level campus Program	Mr. Raj Kotari
18	ISTE	27/07/2013	Development of Software Projects in Software Industries	Mr. P. Ravi Teja Software Engineer, TCS
19	ISTE	31/08/2013	Swami Vivekananda 150 th Birth Day Celebrations. Awareness program on Indian Culture and Traditions	
20		15/09/2013	Awareness Program on Microsoft Certification Programs	Mr. Sai Kiran
21	AICTE	13/09/2013 & 14/09/2012	Research Avenues in Global Positioning Systems	Dr.G.Sai Sasi Bhushan Rao, Head, ECE Dept. Andhra University. Dr. T.Madhu, Principal, Swarnandhra College of Engineering Technology

26. Student profile programme/course wise:

27.

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage
2009-10	75	66	41 25	62
2008-09	85	77	53 24	75
2007-08	111	99	59 40	88
2006-07	106	90+8	56 42	85

*M=Male F=Female

28. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
IT(2009-10)	100%	-NIL-	-NIL-
IT(2010-11)	100%	-NIL-	-NIL-
IT(2011-12)	100%	-NIL-	-NIL-
IT(2012-13)	100%	-NIL-	-NIL-
IT(2013-14)	-NIL-	-NIL-	-NIL-

29. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

2009-10	:	05
2008-09	:	12
2007-08	:	25

30. Student progression

Student progression	Against % enrolled
UG to PG	5
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed	
• Campus selection	14
• Other than campus recruitment	
Entrepreneurship/Self-employment	-NIL-

Note: Data Presented for 2009-13 Batch only

31. Details of Infrastructural facilities

a) **Library** : Dept. Library : 395; Main Library : 10,500 (Pertaining to CSE & IT)

b) **Internet facilities for Staff & Students** : 40 Mbps Internet connection for Staff & Students

c) **Class rooms** : With ICT facility

S. No	Room Description	Usage	Shared/ Exclusive?	Area	Rooms Equipped with
CLASS ROOMS					
1	ITC1	Class room for IV year(A)	Exclusive	72sqm	1. DLP 2. Screen 3. Glass board 4. Computer 5. Student desks 6. Internet
2	ITC2	Class room for IV year(B)	Exclusive	72sqm	1. DLP 2. Screen 3. Glass board 4. Computer 5. Student desks 6. Internet
3	ITC3	Class room for III year	Exclusive	72sqm	1. DLP 2. Screen 3. Glass board 4. Computer 5. Student desks 6. Internet
4	Seminar Hall	For conducting programs & Functions	Shared	150sqm	1.PA systems 2.DLP 3.Screen 4.AC 5.Podium 6.Tables 7.Chairs 8.Student desks 9.Internet

d) Laboratories

Curriculum Lab Description	Exclusive use/Shared?	Area In sqm	Number of experiments	Quality of instruments	Lab manuals
Computer Programming Lab	ITL1 Exclusive	72	24	Wipro Desktops, Core 2 dual processors 2.93 GHz 512 MB RAM, 80 GB Hard Disk And 1 server (Proliant ML-350G5-HP) Quad Core Intel Processor	Available
IT Workshop Lab	ITL2 Exclusive	72	12		Available
Data structures lab	ITL3 Exclusive				Available
OOPs Lab	ITL5 Exclusive	72	24		Available
Database Management Systems Lab	ITL6 Exclusive	72	12		Available
OS & CD lab	ITL7 Exclusive	72	12 + 7		Available
Adv Data Structures	ITL8 Exclusive	72			Available
Computer Network & Unix lab	ITL8 Exclusive	72	10		Available
Advanced Java & Web Technologies Lab	ITL11 Exclusive	72	15		Available
Multimedia and Application Development Lab	ITL9 Exclusive	72	14		Available
Network programming	ITL10 Exclusive	72	15		Available

32. Number of students receiving financial assistance from college, university, government or other agencies

167 students have received financial assistance from Government of Andhra Pradesh in form of Scholarship and Fee reimbursement.

33. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

S.No	Date	Activity	Resource person(s)
1	14.07.2009 & 15.07.2009	2-day workshop on “Advanced Signal Processors”	Dr.T.Kishore Kumar, N.I.T Warangal Dr.C.B. Rama Rao, N.I.T Warangal
2	18.07.2009	A Seminar on “Customer utility based Software development”	Dr. K.V.Sambasiva Rao Principal, MVGR College of Engg
3	15.12.2009	A Seminar on Microsoft Certificate Awareness Programme	Jaya Chand, Sr. Executive Microsoft Technologies, Hyderabad
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6	05/8/2011	One-Day Seminar on “ GSM Technology”	Dr. S.H .Khan, Head, Dept. Of ECE, K. L. University, Vijayawada
7	17/09/2011	One-Day Seminar on “Technologies and Domains”	S.Krishna Rao, CEO, Infopark Software Technologies, Vijayawada
8	12/9/2011	One-Day Seminar on “Web Deployment”	Prof. A.P.Siva Kumar, Dept. of CSE, JNTU-Ananthapur
9	23/09/2011 to 24/09/2011	Two-Day National Level Workshop on “Data Clustering Algorithms”	Prof.N.B.Venkateswarlu, Former Faculty member of BITS, Pilani, India.
10	17/12/2011	One-Day Seminar on “Microsoft Technologies”	M.Sai Chander, Technical Relationship Manager, Microsoft Geo ExpansionTeam Denave India Pvt. Ltd., Hyderabad
11	18/02/2012	One-Day Seminar on “Adhoc Networks and Sensor Networks”	Dr.O.B.V.Ramanaiah, Professor, Dept. of CSE, JNTU Hyderabad
12	15/3/2012	One Day Seminar on “Object Oriented Analysis and Design”	Dr.E.Sreenivasa Reddy, Professor & Vice-Principal, Dept. of CSE, Acharya Nagarjuna University.
13	02/01/2013& 03/01/2013	Workshop on “Website Development using Drupal”	Ms.Madhavi, Swetcha Technologies
14	07/01/2013 & 08/01/2013	Android workshop	Mr. Devesh & Mr. Abhiram

15	21/03/2013	One day seminar on Bio-metrics	Mrs.G.Madhavi, Asst Prof., University college of Engineering, Vizianagaram
16	12/06/2013 & 13/06/2013	NECICC-2K13-International Conference on Computing	Prof.G.Tulasi Ram Das, VC, JNTUK Prof. Y.K.Sundara Krishna i/c Principal, Krishna University Campus College
17	09/07/2013 & 10/07/2013	Inauguration of Microsoft Innovation Centre and Microsoft Ed-vantage Platinum level campus Program	Mr. Raj Kotari
18	27/07/2013	Development of Software Projects in Software Industries	Mr. P. RaviTeja Software Engineer, TCS
19	31/08/2013	Swami Vivekananda 150 th Birth Day Celebrations. Awareness program on Indian Culture and Traditions	Mr.Appala Prasad President of Viveka Seva Samithi
20	15/09/2013	Awareness Program on Microsoft Certification Programs	Mr. Sai Kiran
21	13/09/2013 & 14/09/2012	Research Avenues in Global Positioning Systems	Dr.G.Sai Sasi Bhushan Rao Head, ECE Dept. Andhra University Dr. T.Madhu, Principal, Swarnandhra College of Engineering Technology

34. Teaching methods adopted to improve student learning

Apart from the conventional block board teaching the following methods being adopted/ introduced in order to improve the knowledge of students through the innovative methods of content delivery.

1. Chalk &Talk
2. OHP
3. LCD Projector
4. Intranet/Internet
5. Role Play
6. Working Model/Visual Charts
7. Digital Library
8. Video Lectures

35. Participation in Institutional Social Responsibility (ISR) and Extension activities

S.No	Name of the Event	Organized By & Conducted At	Date	Dignitaries participated in The event
1	Blood Donation Camp	NEC Campus, NRT	15-09-2011	Redcross Secretar & Medical Officers. Narasaraopet.
2	Plantation Programme	NECNSS Volunteers at Guruvayapalem	21-11-2011	Village Sarpanch, Guruvayapalem, & Chairman, Secretary,
3	Rally against corruption, Terrorism	Conducted by NECNSS Volunteers in	22-11-2011	NSS Volunteers and NSS Programme Officer.
4	Veterinary camp	Conducted by NSS volunteers of NEC,	23-11-2011	Veterinary Doctor, Yellamanda, NSS Volunteers & NSS
5	Distribution of Books and necessities for Poor Government	Conducted by NSS volunteers of NEC, Guruvayapalem	24-11-2011	Village Sarpanch, Guruvayapalem, & Chairman, Secretary, Principal
6	Funds collected for Orphans, Physically Challenged and victims of Terrorist Attack on behalf of National	Group of NEC	05-12-2011 To 10-12-2011	NSS Volunteers and NSS Programme Officer.
7	Clean and Green	NSS Volunteers	25-11-2011	NSS Volunteers

36. SWOC analysis of the department and Future plans

Strengths: Good Infrastructure, Licensed Software and Dedicated Staff.

Weakness: Less Demand for the IT Branch because of lack of awareness in the parents and students regarding recognition of the Course.

Opportunity: So many opportunities are available in the IT Field.

Challenges: Though the industry is recognized as IT Industry, the students are not opting for IT as a course. The students are opting for other IT related courses like ECE & CSE as the Core branch students have opportunities in core industry and IT Industry. And the students are opting for core branches like ME, EEE and Civil. So, it is necessary to create awareness regarding opportunities available in IT field.

Evaluative Summary of ME Department

About the Department / Programme

The mechanical Engineering (ME) department started from the academic year 2002-2003 with a highly motivated and qualified faculty from various national and international prestigious institutions. It has spacious and well ventilated drawing/graphic hall, fuels and lubricants laboratory and workshop needed as per the relevant syllabus.

The ergonomically designed labs are equipped with the necessary equipment and instruments needed to conduct the practical experiments as per the rules of the University. The qualified faculty helps and guides the students in various activities. The students are also encouraged to pursue independent research for paper presentations, seminars, group discussions and other enriching activities.



Dr. D. Suneel,

B.Tech, M.Tech, Ph.D.

Professor & Head, Department of ME

Narasaraopeta Engineering College,

Narasaraopet-522601,

Guntur(Dist), Andhra Pradesh (State)

Cell No: +91- 9441895535

E-mail: nrtec_mech@yahoo.com

- ME was introduced in the year 2002 with an intake of 60.
- Approved By AICTE, NEW DELHI.
- Affiliated to JNTU, Kakinada.
- Seats Intake 60 in the year 2002, raised to 120 in the year 2011 and 180 in the year 2012 and 240 in the year 2013.
- In the Year 2011 M.Tech(CAD&M) course started with an intake of 18 and in the year 2013 M.Tech(Thermal Engg& Machine design) courses are started with an intake of 24 in each specialization.

1. Name of the department : **Mechanical Engineering Department**
2. Year of Establishment : **2002**
3. Names of Programmes / Courses offered: B.Tech M.E, **M.Tech(CAD&M), M.Tech(Thermal Engg&Machine design)**
4. Names of Interdisciplinary courses and the departments/units involved: **Basic Sciences and Humanities**
5. Annual/ semester/choice based credit system (programme wise) : **Semester**
6. Participation of the department in the courses offered by other departments : **Civil, EEE, ECE, CSE.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **NA**
9. Number of teaching posts

Year	No. of Professors	No. of Associate Prof.	No. of Assistant Prof	Total
(2013-14)	4	11	19	34

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sl. No	Name of the Faculty	Qualification, University and year of graduation			Designation
		UG	PG	Ph.D	
1.	Dr. D. Suneel	B.Tech ANU 2000	M.Tech SVU 2002	AU 2010	Professor
2.	Dr. M. MuralidharRao	B.Tech AU 1975	M.Tech NIT S 1978	IIT M 1992	Professor
3.	Dr. G. Venkateswarlu	B.Tech ANU 1999	M.Tech NIFFT 2002	NIT W 2012	Professor
4.	K.VaraprasadaRao	B.E A.U . 1974	M.Tech IIT KGP 1976	-	Professor
5.	Dr. G. BhanuKiran	B.E. A U. 2002	M.Tech AU 2005	JNTU K 2013	Assoc. Professor
6.	A.ChandraMouli	AMIE The IE (India) 1994	M.Tech JNTU 2001	-	Assoc. Professor
7.	T.V.S.R.K.Prasad	B.TECH ANU 1987	M.Tech JNTUH 1996	-	Assoc.Profess or
8.	B.K.C.Ganesh	B.E AmaravathiUni 1996	M.E BITS Pilani 1998	-	Assoc. Professor
9.	T.VenkateswaraRao	B.Tech A.U 1997	M.Tech A.U 2002	-	Assoc. Professor

10.	V.NageswaraRao	B.E A.U 1992	M.Tech JNTU 2003	-	Assoc. Professor
11.	D.Pitchaiah	B.Tech ANU 2000	M.Tech JNTUH 2008	-	Assoc. Professor
12.	K.SankarNarayana	B.Tech KLCE,ANU 2003	M.Tech JNTUH 2007	-	Assoc. Professor
13.	S.Hemanth Kumar	B.Tech JNTUK 2003	M.Tech GITAM 2007	-	Assoc. Professor
14.	M.Anjani Raj	B.Tech GITAM 2005	M.Tech GITAM 2008	-	Assoc.Prof.
15.	N.V.S.Sankar	B.E AU 2000	M.E AU 2005	-	Assoc.Prof.
16.	M. Venkaiah	B.Tech JNTU 2008	M.Tech ANU 2010	-	Asst. Prof.
17.	J. VenuMurali	B.Tech SVU2007	M.Tech SVU 2010	-	Asst. Prof.
18.	M.Venkatesh	B.Tech SVU	M.Tech SVU	-	Asst. Prof.
19.	Ch.RameshBabu	B.Tech JNTUH	M.Tech ANU	-	Asst. Prof.
20.	T.AnandBabu	B.Tech JNTUH 2008	M.Tech ANU 2012	-	Asst. Prof.

21.	D.Jagan Mohan Rao	B.Tech ANU 2007	M.Tech JNTUH 2012	-	Asst. Prof.
22.	P.SrinivasaRao	B.Tech JNTUH 2010	M.Tech JNTUK 2012	-	Asst.Prof.
23.	R.JyothuNaik	B.Tech JNTUH 2009	M.Tech JNTUK 2012	-	Asst.Prof.
24.	M.RamaKotaiah	B.Tech JNTUK 2010	M.Tech ANU 2012	-	Asst.Prof.
25.	B.Vijaya Kumar	B.Tech JNTUK 2011	(M.Tech) JNTUK 2014	-	Asst.Prof.
26.	J. Ramanaiah	B.Tech JNTUK 2011	-	-	Asst.Prof.
27.	Ch.Sekhar	B.Tech JNTU 2007	M.Tech JNTUK 2010	-	Asst.Prof.
28.	G.ArunManohar	B.Tech ANU 2008	M.Tech NITK 2011	-	Asst.Prof.
29.	M.V.L.Manohar	B.Tech ANU 2010	M.Tech ANU 2013	-	Asst.Prof.
30.	K.Kiran Chand	B.Tech JNTUK 2009	M.Tech JNTUK 2011	-	Asst.Prof.
31.	K.HariBabu	B.Tech JNTU 2007	M.Tech JNTUK 2009	-	Asst.Prof.
32.	K.Gnan Raj	B.Tech ANU 2010	M.Tech JNTUK 2013	-	Asst.Prof.

33.	T.SrinivasaRao	B.Tech ANU 2012	-	-	Asst.Prof.
34.	G.Raju	B.Tech JNTUK 2011	(M.Tech JNTUK 2015	-	Asst.Prof.

11. List of senior visiting faculty :**NIL**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :**Nil**

13. Student -Teacher Ratio (programme wise): 15:1 for UG Courses and 12:1 for PG Courses

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

Name of the Tech. Staff	Designation
A. V. Rajya Lakshmi	Jr. Asst
A.SivaNageswaraRao	Technician
V.Saisrinivasarao	Technician
A.JagannadhaRao	Technician
Sk.GalibShariff	Technician
B.V.SubbaRao	Technician
P.NarasimhaRao	Technician
R.SrinuvasaRao	Technician
J. MadhusudanaRao	Technician
D. Ramu	Technician

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. :

Sl. No	Name of the Faculty	Qualification, University and year of graduation		
		UG	PG	Ph.D
1.	Dr. D. Suneel	B.Tech ANU 2000	M.Tech SVU 2002	AU 2010
2.	Dr. M. MuralidharRao	B.Tech AU 1975	M.Tech NIT S 1978	IIT M 1992
3.	Dr. G. Venkateswarlu	B.Tech ANU 1999	M.Tech NIFFT 2002	NIT W 2012
4.	K.VaraprasadaRao	B.E A.U . 1974	M.Tech IIT KGP 1976	-
5.	Dr. G. BhanuKiran	B.E. A U. 2002	M.Tech AU 2005	JNTU K 2013
6.	A.ChandraMouli	AMIE The IE (India) 1994	M.Tech JNTU 2001	-
7.	T.V.S.R.K.Prasad	B.TECH ANU 1987	M.Tech JNTUH 1996	-
8.	B.K.C.Ganesh	B.E AmaravathiUni 1996	M.E BITS Pilani 1998	-
9.	T.VenkateswaraRao	B.Tech A.U 1997	M.Tech A.U 2002	-
10.	V.NageswaraRao	B.E A.U 1992	M.Tech JNTU 2003	-

11.	D.Pitchaiah	B.Tech ANU 2000	M.Tech JNTUH 2008	-
12.	K.SankarNarayana	B.Tech KLCE,ANU 2003	M.Tech JNTUH 2007	-
13.	S.Hemanth Kumar	B.Tech JNTUK 2003	M.Tech GITAM 2007	-
14.	M.Anjani Raj	B.Tech GITAM 2005	M.Tech GITAM 2008	-
15.	N.V.S.Sankar	B.E AU 2000	M.E AU 2005	-
16.	M. Venkaiah	B.Tech JNTU 2008	M.Tech ANU 2010	-
17.	J. VenuMurali	B.Tech SVU2007	M.Tech SVU 2010	-
18.	M.Venkatesh	B.Tech SVU	M.Tech SVU	-
19.	Ch.RameshBabu	B.Tech JNTUH	M.Tech ANU	-
20.	T.AnandBabu	B.Tech JNTUH 2008	M.Tech ANU 2012	-
21.	D.Jagan Mohan Rao	B.Tech ANU 2007	M.Tech JNTUH 2012	-
22.	P.SrinivasaRao	B.Tech JNTUH 2010	M.Tech JNTUK 2012	-

23.	R.JyothuNaik	B.Tech JNTUH 2009	M.Tech JNTUK 2012	-
24.	M.RamaKotaiah	B.Tech JNTUK 2010	M.Tech ANU 2012	-
25.	B.Vijaya Kumar	B.Tech JNTUK 2011	(M.Tech) JNTUK 2014	-
26.	J. Ramanaiah	B.Tech JNTUK 2011	-	-
27.	Ch.Sekhar	B.Tech JNTU 2007	M.Tech JNTUK 2010	-
28.	G.ArunManohar	B.Tech ANU 2008	M.Tech NITK 2011	-
29.	M.V.L.Manohar	B.Tech ANU 2010	M.Tech ANU 2013	-
30.	K.Kiran Chand	B.Tech JNTUK 2009	M.Tech JNTUK 2011	-
31.	K.HariBabu	B.Tech JNTU 2007	M.Tech JNTUK 2009	-
32.	K.Gnan Raj	B.Tech ANU 2010	M.Tech JNTUK 2013	-
33.	T.SrinivasaRao	B.Tech ANU 2012	-	-
34.	G.Raju	B.Tech JNTUK 2011	(M.Tech JNTUK 2015	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies & grants received: -

NIL

- National Funding Agency: 7

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: -

Dept.	Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		
					Sanctioned	Received	
2012-13							
ME	RPS	3 years	Designing and development of high thermal conductivity and wear resistant gear using grapheme based polyamide 66 nanocomposites	UGC	9.1 lakhs	7.00 lakhs	
ME	RPS	1 year	Testing Bio-diesel	Siddhartha Engineering College	3000	3000	
ME	RPS	3 months	Manufacturing of die	Venkata Lakshmi Traders	50,000	50,000	
ME	RPS	1 month	Measuring Viscosity of 3 Samples of Hydraulic 68 Oil	Viswateja Spinning Mills Ltd	300	300	
2010-11							

ME	RPS	2 years	Development of high strength of bio-composite from natural fibres and bio polymer blends	UGC	9.65 Lakhs	9.65 lakhs
2009-10						
ME	RPS	3 years	Fabrication of Metal matrix nano component	UGC	10.37 lakhs	10.37 Lakhs
ME	Sponsored Research	One year	Effect of process parameters and surface treatments on mechanical and abrasive wear performance of bio composites	Gitam University , Vizag	1.00 Lakhs	1.00 Lakhs

18. Research Centre /facility recognized by the University: - Nil

19. Publications:

* a) Publication per faculty

*Number of papers published in peer reviewed journals (national / international) by faculty and students

* Number of publications listed in International Database (For Eg: Web of Science, Scopus , Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

* Monographs

* Chapter in Books

* Books Edited

* Books with ISBN/ISSN numbers with details of publishers * Citation Index

* SNIP

* SJR

* Impact factor * h- Index

Sl. No	Name of the Faculty	Qualification, University and year of graduation			Designation	No. of research publications in journals and conferences since joining the department and Total no. of such publications				
		UG	PG	Ph.D		N. C	I.C	N.J	I.J	Total
1	Dr. D. Suneel	B.Tech ANU 2000	M.Tech SVU 2002	AU 2010	Professor		6	3	10	19
2	Dr. M. MuralidharRao	B.Tech AU 1975	M.Tech NIT S 1978	IIT M 1992	Professor	4	10	--	15	29
3	Dr. G. Venkateswarlu	B.Tech ANU 1999	M.Tech NIFFT 2002	NIT W 2012	Professor	3	2	1	14	20
4	K.VaraprasadaRao	B.E AndhraUniver sity 1974	M.Tech IIT KGP 1976	-	Professor	4	-		3	7
5	TVSRK.Praasas	B.Tech ANU 1987	M.Tech JNTUH 1996	-	Assoc.Prof	-	-	2	4	6
6	Dr. G. BhanuKiran	B.E A U 2002	M.Tech AU 2005	JNTU K 2013	Assoc. Professor		6		9	15
7	B.K.C.Ganesh	B.E AmaravathiUn iversity 1996	M.E BITS Pilani 1998	-	Assoc. Professor		4	-	7	11
8	K.SankarNarayana	B.Tech KLCE,ANU 2003	M.Tech JNTUH 2007	-	Assoc. Professor	1	3	-	2	5
9	S.Hemanth Kumar	B.Tech JNTUK 2003	M.Tech GITAM 2007	-	Assoc. Professor	-	-	-	1	1
10	N.V.S.Sankar	B.E AU 2000	M.E AU		Assoc.Prof.	3	-	-	5	8

			2005							
11	J. VenuMurali	B.Tech SVU 2007	M.Tech SVU 2010		Asst. Prof.		-	-	-	-
12	P.SrinivasaRao	B.Tech JNTUH 2010	M.Tech JNTUK 2012	-	Asst.Prof.	-	-	-	1	1
13	R.JyothuNaik	B.Tech JNTUH 2009	M.Tech JNTUK 2012	-	Asst.Prof.	-	-	-	1	1

20. Areas of consultancy and income generated:

Dept.	Nature of the Work	Faculty Involved	Name of the funding agency	Amount received till date
2012-13				
ME	Testing of Bio diesel	V.NageswaraRao& Others	SiddhardhaEngg. College	3,000
ME	Measuring viscosity of three samples of hydraulic 68 oil	V.NageswaraRao& Others	Viswateja Spinning mills ltd	300
2011-12				
ME	Testing bricks	Ch.VenkataRao	Veeralingeswara Fly ash brick industry, NR pet	100
ME	Training of Technical Staff	S.RamaRao& others	Venkata Lakshmi Traders	10,000
ME	Plant erection	Dr.D.Suneel& others	Mittapalli Spinners Ltd., NR Pet	70,000
2010-11				
ME	Design of Plant layout and safety measures	K.V.P.Rao& Others	Mittapalli Spinners Ltd., NR Pet	1,000
ME	Microhardness testing	A.ChandraMouli& Others	D.VenkataRao, Contractor	1,500

ME	Testing bricks	A.ChandraMouli	Veeralingeswara Fly ash brick industry, NR pet	Free of cost
ME	Erection of Mechanical Engg. Labs	S.RamaRao&Others	SMCE, Guntur	20,000
2009-10				
ME	Erection of Mechanical Engg. Labs	S.RamaRao& Others	SMCE, Guntur	20,000
ME	Testing of Bricks	Ch.VenkataRao	Veeralingeswara Fly ash brick industry, NR pet	Free of cost

21. Faculty as members in

a)National committees b) International Committees c) Editorial Boards

Sl. No	Name of the Faculty	Professional Society	Membership Number
1	Prof. K. VaraprasadaRao	ISTE	LM2440
		IE	FIE013729
		IIPE	FIIPE832
		ISNT	LM2968
		FPSI	LM1034
2	Dr. D. Suneel	MRSI	LMB1475
3	Dr. M. MuralidharRao	FIE	FIE112878-3
4	Dr. M. MuralidharRao	ISTE	LM1714
5	B.K.C. Ganesh	ISTE	LM43264
6	A. Chandra Mouli	IE	AM090239-2
7	TVSRK.Prasad	ISTE	LM47869
8	Ch. VenkataRao	ISTE	LM53286

22. Student projects

a) Percentage of students who have done in-house projectsincluding inter departmental/ programme:

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

23. Awards / Recognitions received by faculty and students: Refer to **Annexure: III - K**

24. List of eminent academicians and scientists / visitors to the department :

Resource Person
2012-13
1. Mr.MaheshModali, Indo Global Services, Hyderabad 2. Dr. P.K.Jain, Scientist-F, ARCI, HYDERABAD
2011-12
1. Dr. Ch. SrinivasaRao, Professor, KHIT, Guntur, A.P. 2. Mr. K.PrasadRaoWinWill Technical Services, Hyderabad
2010-11
1. Dr. D. Suneel, Professor, Dept. of ME, KL University, Guntur 2. Dr. R.R.Srikanth, Assoc. Prof., Dept. of ME, GIT, GITAM University, Vizag 3. Mr.S.Ganapathi ,SE/AP Transco (Retd.),Rajahmundry,EG(Dt) AP.
2009-10
1. Dr. P. BangaruBabu, Professor, Dept. of ME, NIT Warangal 2. Dr. C. Guru Raja Rao, Assoc. Prof., Dept. of ME, NIT Warangal 3. Mr.Y.SeshaRaoAssoc.Professor, SVVSN Engineering College Ongole, Prakasam(DT),AP.

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National:

Year	Professional Society/ Chapter	Name of the Event	Resource Person(s)	Date(s)
CAY 2012-13	ISTE	An AwerenessProgramme on ROBOTICS & ITS FUTURE	Mr.MaheshModali, Indo Global Services, Hyderabad	24-07-2012
CAY 2012-13	ISTE	A Guest Lecture on Role of Carbon Nano Tubes in Mechanical Engg.	Dr. P.K.Jain, Scientist-F, ARCI, HYDERABAD	07-09-2012

CAY 2011-12	ISTE	One-Day Seminar on “ Characterization of Nano- material using Nano- indentation”	Dr. Ch. SrinivasaRao Professor, KHIT, Guntur, A.P.	10-01-2012
CAYm1 2010-11	ISTE	A Two day national level workshop on “ Synthesis and characterization of Nano- materials”	1. Dr. D. Suneel, Professor, Dept. of ME, KL University, Guntur 2. Dr. R.R.Srikanth, Assoc. Prof., Dept. of ME, GIT, GITAM University, Vizag	03-01-2011 & 04-01-2011
	ISTE	A two day national level workshop on “The Finite Element Method-Recent advances and emerging trends”	1. Dr. P. BangaruBabu, Professor, Dept. of ME, NIT Warangal 2. Dr. C. Guru Raja Rao, Assoc. Prof., Dept. of ME, NIT Warangal	12-10-2009 & 13-10-2009

Workshops/Seminars Organized

Module Description	Any other contribut ory Inst./ Industry	Developed/ organized by	Duration	Resource Persons	Target Audience	Usages and Citation etc.
Characterizatio n of Nano Materials Using Nano Indentation.	KallamHar anathared dy of Technolog y, Guntur	Department of ME	10.01.2012	Dr.Ch.SrinivasaRao Professor	Faculty& ME final year	Participants should acquire the knowledge on application of Nano Indentation in the field of Mechanical Engineering.
Role of Carbon Nanotubes in Mechanical	Centre for Carbon Materials	Department of ME	7.09.2012	Dr.P.K.Jain, Scientist-F &Head.	Faculty& ME Students	Participants should acquire the knowledge on

Engineering.	ARCI-Hyderabad.					application of Nano Materials & latest trends in the field of Mechanical Engineering.
An Awareness Programme on Robotics And ITS Future	Indo Gobal Services, Hyderabad.	Department of ME	24.07.2012	Mr.MaheshModali, Indo Gobal Services	ME Students	Participants got an over view on fabrication of Robots
Integrated Manufacturing with CAD/CAM.		Department of ME	1 Day 23/9/11	Mr. K.PrasadRaoWinWill Technical Services, Hyderabad	Faculty& ME final year Students	Participants should gain knowledge in Manufacturing Components using CNC machines with CAD/CAM.
Guest Lecture on Energy Conservation and awareness	-	Department of ME	1 Day 14/02/11	Mr.S.Ganapathi SE/AP Transco (Retd.) Rajahmundry,EG(Dt) AP.	Faculty & ME Students	Participants should gain good knowledge on the Energy Conservation and Awareness Programme.
National Level Workshop on Synthesis and Characterization of Nano Materials.	-	Department of ME	2 Day 3 rd &4 th Jan 2011	1. Dr.D.Suneel, Professor K.L. University, Guntur 2. Dr.R.R.Srikanth Assoc.P rofessor, GITAM University,Vizag	Faculty& ME final year Students	Participants should acquire the knowledge on application of Nano Materials in the field of Mechanical Engineering.
Guest Lecture on Automation and Robotics.	-	Department of ME	1 Day 11/03/10	Mr.Y.SeshaRao Assoc.P rofessor, SVVSN Engineering	Faculty& ME final year	Participants should gain knowledge in Automation and

				College Ongole, Prakasam(DT),AP.	Students	Robotic Applications.
Guest Lecture on Combined Cycle Power Plant	-	Department of ME	1 Day 13/8/09	Er.K.Hemanth Kumar Assistant Plant Shift Manager, M/s. GentingLanco Power (I) Pvt. Ltd. Vijayawada	Faculty & ME third & final year Students	Participants should gain Knowledge on Combined Steam and Gas Power Plant.
Guest Lecture on Power Plant Maintenance.	-	Department of ME	1 Day 9/1/09	Er.N.D.Raghu Ram Senior Manager Jocil Ltd. Perecharla Guntur(Dt) Ap	Faculty & ME third & final year Students	Participants should gain Knowledge on Operating and Maintenance of Steam Power Plant with Alternate Fuels.
Workshops Participated						
Two day seminar on “Material Characterization and Failure analysis”	-	Department of ME IIT Chennai.	2 Day 4 th & 5 th Mar 11	Faculty of Mechanical Engineering, IIT chennai	ME Faculty Prof. B.K.C. Ganesh	Participants should gain Knowledge on “Material Characterization and Failure Analysis”.
National level seminar on ALTERNATE FUELS	-	Department of ME K.L. University	1 Day 24/12/10	Prof. B.V.AppaRao,A.U. Prof.Saravanam C.G. Annamalai University Prof. Amba Prasada Rao, N.I.T,Warangal.	Faculty & M E final year, V.Ngeswar a Rao & Students	Participants should gain Knowledge on usage of different Alternate Fuels due to exhausting of Natural Fuels.
Advance Fault Detection and Signal Processing Techniques for Mechanical Systems.	-	Department of Mechanical Engg., V.R. Siddhartha Engg. College, vijayawada, Ap	2 Day 7 th & 8 th Aug 09	Department of Science and Technology, New Delhi.	Eminent Scholars from Academic institutions and Industry. P.GopalaKri shnaiah	Participants involved in sharing technical and research experiences to improve the quality of the Education and Industry Practice.

Meta heuristics and their applications in Design, Manufacturing and Materials	-	Department of ME, Vignan University Guntur (Dt),Ap.	3 Day 18 th ,19 th & 20 th June 09.	Dr.B.M.Dabade, Professor, SGGS Institute of Engg. & Technology. Dr.U.Kulkarni, Professor, SGGSIE & T Dr.J.V.L. Venkatesh, Professor, SGGSIE & T	Faculty from different Engg. colleges. V.Ngeswar aRao	Participants should gain Knowledge on needs for heuristics, Meta heuristics,Genetic Algorithm, Fuzzy Logic and Neural Networks.
One day Workshop on advanced Mechanical Softwares		Department Mechanical Engg., K.G.Reddy College of Engg., Hyderabad	1 day Oct 6 th 2011		ME Faculty 3 rd &4 th year Students, D.Jagan Mohan Rao.	Knowledge on CAD/CAM Softwares.

26. Student profile programme/course wise:

Sl.NO	Course	2013-14		2012-13		2011-12		2010-11	
		Sanctioned Intake	Admitted	Sanctioned Intake	Admitted	Sanctioned Intake	Admitted	Sanctioned Intake	Admitted
ME	B.Tech	240	178	180	156	120	115	60	59
	M.Tech-CAD/CAM	18	6	18	8	18	4	0	0
	M.Tech-Thermal Engg	24	18	0	0	0	0	0	0
	M.Tech-Machine Design	24	15	0	0	0	0	0	0

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
B.Tech			
2010-11	100%	Nil	Nil
2011-12	100%	Nil	Nil
2012-13	100%	Nil	Nil
2013-14	100%	Nil	Nil
M.Tech			
2011-12	100%	Nil	Nil
2012-13	100%	Nil	Nil
2012-13	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Students Qualified for GATE-2013

S.NO	Roll.No	Name of the student
1.	10471A0313	B.Nagendra Babu
2.	10471A031	T.Praveen
3.	10471A0320	U.Kranthi
4.	10471A0321	Ch.Rajavamsi
5.	10471A0333	B.Srinivasa Rao
6.	10471A0350	M.Altaf Hussain
7.	10471A0347	D.Anil Babu
8.	10471A0343	Ch.Padma Kanth
9.	10471A0306	Sk.Abdul Ajeem
10.	10471A0312	M.Anusha
11.	10471A0352	B.L.Priyanka

29. Student progression

Item	LYG 2009 batch	LYG 2008 batch	LYG 2007 batch	LYGm1 2006 batch
Number of Admitted students	57	71	72	61
Number of students who obtained jobs as per the record of placement office	14	43	15	16
Number of students who found employment otherwise at the end of the final year	34	07	19	20
Total no. of students placed	48	50	34	36
Number of students who went for higher studies with valid qualifying scores/ranks	05	10	17	12

30. Details of Infrastructural facilities

- a) Library : Yes
- b) Internet facilities for Staff & Students : Yes
- c) Class rooms with ICT facility :

Room Description	Usage	Shared / Exclusive?	Area of Room in sqm	Rooms Equipped with
Class Room MEC1 N201 , Block-3	Class room for B.Tech 1 st Year (SECTION-A)	Exclusive	72	Triple Seater Desks- 24, Teacher Table-1, Black Board-1, OHP with White Screen-1, Fans-06, TubeLights- 6, Dust Bin-1
Class Room MEC2 N208 , Block-3	Class room for B.Tech 1 st Year (SECTION-B)	Exclusive	72	
Class Room MEC3 N105 , Block-2	Class room for B.Tech 1 st Year (SECTION-C)	Exclusive	72	
Class Room MEC4 N201 , New Block	Class room for B.Tech 2 nd Year(SECTION-A)	Exclusive	72	
Class Room MEC5 N202, New Block	Class room for B.Tech 2 nd Year(SECTION-B)	Exclusive	72	
Class Room MEC6 N203, New Block	Class room for B.Tech 3 rd Year	Exclusive	72	
Class Room MEC7 N204, New Block	Class room for B.Tech 4 th Year	Exclusive	72	
Class Room MEC N205, New Block	Class room for M.Tech(CAD/CAM) 1 st Year	Exclusive	72	

d) Laboratories:

Curriculum Lab Description	Space, Number of Students	Number of experiments
Engineering Physics & Engineering Chemistry Laboratory-I	72 sqm 36 Students	13
Engineering Workshop (Carpentry, Fitting, House wiring,)	72 sqm 60 Students	20
C Programming Lab	72 sqm 60 Students	16
English Proficiency Lab	72 sqm 36 Students	5
Engineering Physics & Engineering Chemistry Laboratory –II	72 sqm 36 Students	16
English Communication Skills Lab	72 sqm 36 Students	6
Fluid Mechanics & Hydraulics Machinery lab	72 sqm 36 Students	12
Mechanics of Solids Lab	72 sqm 36 Students	8
Heat Transfer Lab	72 sqm 36 Students	12
Machine Tools Lab	72 sqm 36 Students	12
Metrology Lab	72 sqm 36 Students	10
Production Technology Lab	72 sqm 36 Students	10
Thermal Engineering Lab	72 sqm 36 Students	10
Instrumentation Lab	72 sqm 36 Students	10
Metallurgy Lab	72 sqm 36 Students	8
CAD/CAM Lab	72 sqm 36 Students	20

31. Number of students receiving financial assistance from college, university, government or other agencies

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **List enclosed in Annexure: III-F, H**

33. Teaching methods adopted to improve student learning:

Various workshops, seminars, guest lectures and projects are conducted throughout the year to improve student learning. The classrooms are also equipped with visual aids to enhance learning by the students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities :

Our students actively participate in all the activities organized by the institution as referred in Annexure: III-J

35. SWOC analysis of the department and Future plans

Strengths:

- The B. Tech programme is twice accredited by NBA
- Good infrastructure facilities
- Highly qualified and committed faculty
- Well established laboratories with systems of latest configuration and software
- Majority faculty members in the department are having minimum M. Tech qualification

Weaknesses:

- R&D and consultancy activities to be improved
- Located in the rural area
- Lack of industry interaction
- Collaborative programs are to be initiated

Opportunities:

- Since few institutes are offering Mechanical Engineering branch, there is wide scope to opt ME branch at NEC as it is 11 years old.
- Manufacturing sector offers good number of opportunities for Mechanical Engineering graduates apart from software Industry.

Challenges:

- Lack of language proficiency among the students
- Poor quality of input due to more reservations and mushroom growth of colleges in the region

Future Plans:

- To improve Institute-Industry interaction
- To improve R&D activities.

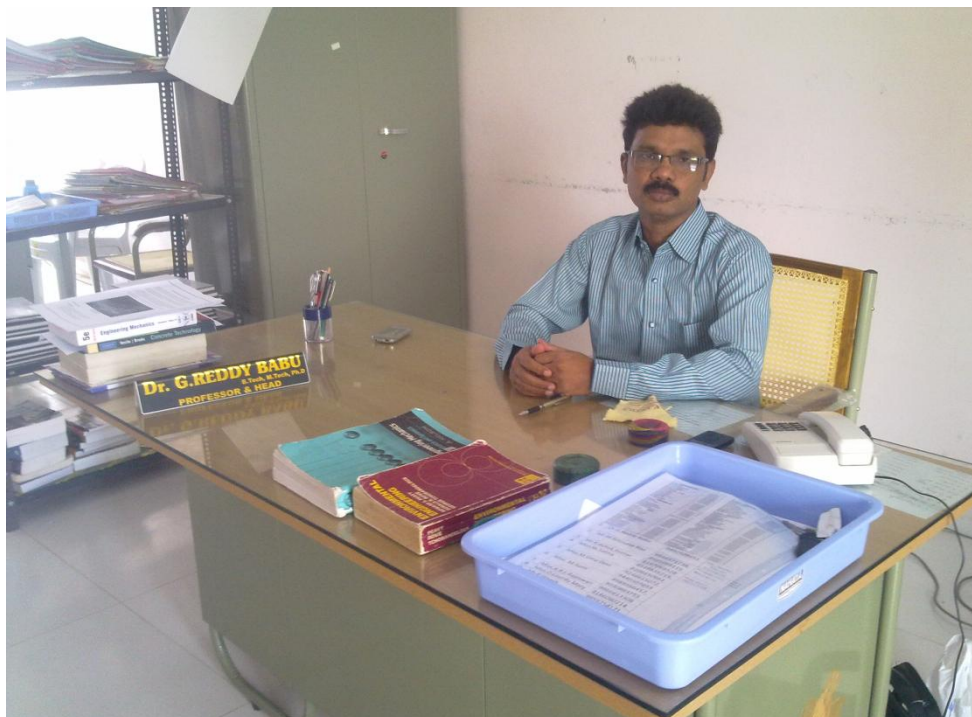
Evaluative Report of the Civil Department

Department of Civil Engineering (CE) in NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET, has started in the year 2009 with an intake of 60, it is raised to 120 in the year 2013.

Department Of civil engineering imparts Quality in Geotechnical Engineering ,Structural Analysis ,Surveying, Environmental engineering ,Water resources engineering, transportation engineering. Prepare them for a lucrative future in the Growth Oriented Civil Core areas and field works

The Department has well equipped Laboratories in the fields of surveying, Fluid Mechanics, Strength of Materials, Environmental engineering, Geotechnical Engineering, Highway Engineering, Concrete Technology, Engineering Geology, and With Basic Equipment required for under graduate courses. The other facilities include LCD Projector s, over Head Projector to bring alive the classes and for seminar needs as well as UPS for uninterrupted supply during the power cuts.

Dedicated and Eminent faculty is the strength of the department under the super vision of H.O.D, Who has a visionary with wide experience



Dr .G. Reddy Babu, Professor & HOD, CIVIL

Department Summary

Short Term Goals

- To include ethical ,moral and Value based education System in the institutions .
- To improve the academic performances and achieve 100% results.
- To improve campus placements.

- To develop domain specific expertise amongst department faculty.
- To develop product development facilities in the department.

Long term Goals

- To develop International Leaders in the Technology.
- To encourage Faculty to indulge in research activities.
- To develop R&D center in the department.
- To emerge as a center of excellence and ultimately become a deemed university.

1. Name of the department - **CIVIL**
2. Year of Establishment - **2009**
3. Names of Programmes/Courses offered (UG)– **UG-B. Tech.**
4. Names of Interdisciplinary courses and the departments/units : **involved**
5. Annual/semester/choice based credit system (programme wise)
6. Participation of the department in the courses offered by other departments
7. Courses in collaboration with other universities, industries, foreign institutions, etc.
8. Details of courses/programmes discontinued (if any) with reasons
9. Number of Teaching posts

	sanctioned	Filled
Professors	01	01
Associate Professors	03	03
Asst. Professors	08	08

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.G.Reddy Babu	M.Tech, Ph.D	Professor	Environmental Engineering	11	Guiding-2
T.Sriram Babu	M.Tech	Assoc. Professor	Soil Mechanics & Foundation Engineering	15	

T.Anup Kumar	M.Tech	Assoc. Professor	Thermal Engineering	1	
M.Rama Narasimha Rao	M.Tech	Asst. Prof.	Structural Engineering	2	
B.S.Anjaneya Raju	B.Tech	Asst. Prof.		6	
M.Srinivasa Rao	B.Tech	Asst. Prof.		4	
K.Phani Babu	B.Tech	Asst. Prof.		4	
K.Sasidhar Reddy	B.Tech	Asst. Prof.		Nil	
T.Srinivasa Rao	B.Tech	Asst. Prof.		Nil	
Sk.Ummi Salma	B.Tech	Asst. Prof.		Nil	
M.Summi	B.Tech	Asst. Prof.		Nil	
A.R.L.Rajeswari	B.Tech	Asst. Prof.		Nil	
M.uma Devi	B.Tech	Asst. Prof.		Nil	
O.Lourdu Mary	B.Tech	Asst. Prof.		Nil	

11. List of senior visiting faculty

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

13. Student -Teacher Ratio (programme wise)

$$\text{Assessment} = 20 * 15 * 0.8 / \text{STR}$$

$$\text{Where STR} = \text{Student Teacher Ratio}$$

$$= (x + y + z) / N$$

Subject to Max. STR = 15;

Where $x = \text{No. of students in 2}^{\text{nd}}$ year of the program

$y = \text{No. of students in 3}^{\text{rd}}$ year of the program

$z = \text{No. of students in 4}^{\text{th}}$ year of the program

$N1 = \text{Total No. Faculty Members in the program}$

Year	x	y	z	x + y + z	N1	STR	Assessment
(2010-11)	51	-	-	51	4	13	18
(2011-12)	68	51	-	119	8	15	16
(2012-13)	58	68	51	177	12	15	16
(2013-14)	53	58	68	179	12	15	16
Av. Assessment							16.5

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Name of the Tech. Staff	Designation (Pay-scale)
M.V.Koteswara Rao	Technician
SK.Baji Baba	Technician

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Teaching Faculty with Ph. D :

Sl. No	Name of the Faculty	Qualification
1	Dr. G.Reddy Babu	JNTUA

Teaching Faculty with PG. :

S.No	Name	Qualification
1.	T.Sriram Babu	M.Tech, IIT Kharagpur
2.	T.Anup Kumar	M.Tech,JNTUH
3.	M.Rama Narasimha Rao	M. Tech, NIT Calicut

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received- NIL
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received - NIL
18. Research Centre /facility recognized by the University - NIL
19. Publications:

- * a) Publication per faculty
- * Number of papers published in peer reviewed journals (national/international) by faculty and students
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Monographs
- * Chapter in Books
- * Books Edited

- * Books with ISBN/ISSN numbers with details of publishers
- * Citation Index
- * SNIP
- * SJR
- * Impact factor
- * h-index

Dr. G.REDDY BABU:

Published papers (in International Journals):

1. K.Mallikarjuna Rao, V. Tirumala Rao and G.Reddy Babu, "On Interaction of a Clayey Soil with Textile Dye Waste", published in International Journal, Electronic journal of Geotechnical Engineering, (EJGE) Vol. 13 Bund (A), 2008.
2. K.Mallikarjuna Rao, V. Tirumala Rao and G.Reddy Babu, "Influence of a textile dye waste on properties of a clayey soil", published in International Journal of Physical Sciences, Vol. 19, No. 3, 2007, pp 385 – 396.
3. G. Reddy Babu, H.Sudarsana Rao and I.V. Ramana Reddy, "Influence of metal ions in industrial wastewater on cement setting, strength development and hardening", published in International Journal of Physical Sciences, Vol. 19, No. 3, 2007, pp 409 – 418
4. G. Reddy Babu, B.Madhusudhana Reddy & K. Madan Mohan Reddy "Removal of COD of reactive dyes by polyaluminium chloride (PAC)" published in Global Journal of Researches in Engineering, Vol.10, issue 1, April 2010, pp 76-78.
5. B. Madhusudana Reddy, G. Reddy Babu, I.V. Ramana Reddy, Effect of heavy metal present in mixing water on properties and sulfate attack on blended cement mortar, Published in International Journal of Civil and Structural Engineering, Volume, 10 No: 10, 2010.
6. G. Reddy Babu B. Madhusudana Reddy, N.Venkata Ramana, and C. Sashidhar, "Effect of heavy metal and magnesium sulfate on properties of blended cement mortar," published in Research Journal of Chemical Sciences Vol 7 No. 1, 2011, Pp 27 – 35.
7. D.V. S. N. Murthy, G. Reddy Babu, B. Madhusudhana Reddy, "Feasibility of Treated Wastewater of Phosphatic Fertilizer industry as Mixing Water in Cement Mortar," published in International Journal of Civil Engineering Vol 4, Issue 1, 2012.
8. G. Reddy babu and N. Venkata Raman, "Effect of zinc and magnesium sulfate on properties of high strength cement mortar," published in International Journal for Research in science and Advanced Technology, Vol. 2, Issu. 2, Mar-Apr, 2013.
9. G. Reddy babu and N. Venkata Ramana, "Durability of Bricks Cast with Industrial Sludge," published in International Organization of Scientific research, Vol. 6, Issue 4, May-Jun, 2013.

10. G. Reddy Babu and N. Venkata Ramana, "Influence of Copper on Properties of Blended Cement Mortar," Accepted to publish in International Journal of Applied Engineering and Technology.
11. G. Reddy babu and N. Venkata Ramana, "Effect of Nano-Silica on Properties of Blended Cement," Accepted to publish in International Journal of Computational Engineering and Research.

1. List of publications in National Journals:

1. I.V.Ramana Reddy, N.R.S. Prasad Reddy, G.Reddy Babu, B.Kotaiah and P.Chiranjeevi, "Effect of Biological Contaminated Water on Cement Mortar Properties", published in ICJ, The Indian Concrete Journal, Vol. 80, Feb 2006, No. 2, pp 203-206
2. G. Reddy Babu, K. Mallikarjuna Rao and I.V. Ramana Reddy, Value Addition for Sludge generated from Sand Beneficiation Treatment plant", published in NEPT, Nature Environment and Pollution Technology Journal, Vol. 4, No. 2, PP 203 – 206, 2005.
3. I.V.Raman Reddy, N.R.S.Prasad Reddy and G.Reddy Babu, "Effect of Magnesium Sulphate (slightly acidic compound) in Mixing Water on properties of Cement.", published in Journal of pradushan Nirmal Vol. 2, No. 4, PP 33 -38, 2005.
4. G.Reddy Babu, B.Chandra Sekhar, B. Damodhara Reddy and I.V.Ramana Reddy, "Sorption of Reactive Dyes using A Powdered Activated Carbon", published in NEPT, Nature Environment and Pollution Technology Journal, Vol. 5, No. 3, PP 375 – 380, 2006
5. G.Reddy Babu, M. Srimurali, M. Vijaya Sekhar Reddy and I.V.Ramana Reddy, "Sorption Studies for Colour Removal of Spent Orange Dye Effluent using Powdered Activated Carbon", published in NEPT, Nature Environment and Pollution Technology Journal, Vol. 6, No. 1, PP 97 – 103, 2007.
6. G. Reddy Babu, H.Sudarsana Rao and I.V. Ramana Reddy," Use of Treated Industrial Wastewater as Mixing Water in Cement Works ", published in NEPT, Nature Environment and Pollution Technology Journal, Vol. 6, No. 4 , pp 595 – 600, 2007.
7. G. Reddy Babu, H.Sudarsana Rao and I.V. Ramana Reddy, "Effect of Metal Ions in Industrial Wastewater on Cement Setting, Strength development and Hardening", published in ICJ, The Indian Concrete Journal, Vol. 86, April 2009, No. 3, pp 43 - 49
8. D.V.Satyanarayana Moorthy, K. Mallikarjuna Rao, G. Reddy Babu, physical and mechanical properties of a clayey soil contaminated with a vat dye pollutant, published in Environmental pollution control journal, Vol, 13, No.4, June 2010, pp 17-23.
9. B. Madhusudana Reddy, G. Reddy Babu, I.V. Ramana Reddy, Effect of led present in mixing water on properties and durability of high strength cement mortar, Published in The Indian Concrete Journal. Vol. 87, No. 1, Jan 2013, Pp 45-51.
10. G. Reddy babu and N. Venkata Raman, Feasibility of Treated Domestic Waste Water for Cement Mortar," published in Indian Journal of Research, Vol. 3, Issu. 4, May, 2013.

Areas of consultancy and income generated- Nil

20. Faculty as members in

a) National committees b) International Committees c) Editorial Boards - NIL

21. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

Academic Year: 2012-2013

S. No	Project batch Roll No & Name	Name of the Guide	Title of the Project
1	K.Ravi Teja-09471A011 P.Sailaja-09471A0113 G.Avinash-09471A0119 D.V.Naresh Kumar-09471A0121 J.Manogna-09471A0131 J.Sekara Parvathi-09471A0143 K.Varun Teja-09471A0148	Dr.G.Reddy Babu	A Study on Durability of Fe ₄₁₅ and Fe ₂₅₀ bars in chemical solutions
2	M.Uma Devi-09471A0106 D.Sahitya-09471A0110 K.Kalyana Chakravarthi-09471A0112 B.Shashikanth Rao-09471A0122 D.Durga Prasad Naik-09471A0124 P.Avinash-09471A0137	Dr.G.Reddy Babu	Use Of Treated Domestic Wastewater as Mixing Water in Blended Cement Mortar
3	M.Sumti- 09471A0120 Ch.Rajesh-09471A0127 T.V.Nagi Reddy-09471A0128 Md.Samiulla Khan-09471A0129 G.Narasimha Rao-09471A0135 Sk.Ummi salma-09471A0136 B.Ramu-09471A0150 M.V.Bhaskara Reddy-10475A0104	Dr.G.Reddy Babu	The Effect Of Nano Silica On the Properties Of Portland Cement Mortar
4	Sk.Rustum Ali-09471A0109 P.Ravi Teja-09471A0117 Y.R.S.Reddy-09471A0118 T.G.P.Kumar-09471A0133 K.M.P.Chakravarthy-09471A0138 M.Padma-09471A0141 G .Anil Kumar-09471A0142 T. Sai Shankar-10475A0105	Dr.G.Reddy Babu	Effect of NanoSilica on Properties of blended Cement

5	K.Madhuri-09471A0115 A.V.Sujana-09471A0123 Sk.Babarru-09471A0130 B.Priyanka-09471A0132 A.Rajesh-09471A0134 M.Suresh-09471A0140 P.Siva Murali-09471A0144 V.Venkatesh-10475A0106	T.Srinivasa Rao	Designing of Traffic Signals
6	K.Naresh babu_09471A0101 S.Prasanth-09471A0102 E.Hareesh kumar-09471A0104 Ch.Ravindra-09471A0105 G.Savya Sachi-09471A0146 L.B.G.Tilak-09471A0108 P.Rajesh-09471A0116 Ch.Venkat-09471A0125 L.Prasanth-09471A0139	M.Srinivasa Rao	Manufacturing of light Weight Bricks and Comparison with Clay bricks
7	S.Yaswanth--09471A0107 P.Suneetha-09471A0114 Ch.Chiranjeevi-10475A0101 K.Venkata Durga jee-10475A0102 V.Vani Viswanadh-10475A0103	Dr.G.Reddy Babu	Use Of Treated Domestic Wastewater as Mixing Water in Cement Mortar

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies-- NIL

22. Awards/Recognitions received by faculty and students - NIL

23. List of eminent academicians and scientists/visitors to the department

CAY 2012-13	A Guest Lecture on Finite Element Methods in CIVIL Engg.	Dr. R.Vidya Sagar, Senior Scientific Officer, IISc,BANGALORE	13-02-2013

24. Seminars/Conferences/Workshops organized & the source of funding

a) National -NIL

b) International---NIL

25. Student profile programme/course wise: NIL

26. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. Tech	100	0	0

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

S.No	Name Of the Course	Name Of the Student	Competitive Exam Qualified
1	B.Tech	D.V.Naresh Kumar	GATE
2	B.Tech	M.Suresh	GATE
3	B.Tech	P.Avinash	GRE

28. Student progression

Student progression	Against % enrolled
UG to PG	2012-2013, 0.039
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed	
• Campus selection	2012-13, 0.41
• Other than campus recruitment	2012-13, 0.29
Entrepreneurship/Self-employment	

29. Details of Infrastructural facilities

a) Library

Central Library:

No of Titles	: 253
No of Volumes	: 1152
No of International Journals	: 2
No of National journals	: 17
No of International Magazines	: Nil
No of National Magazines	: Nil

Departmental Library

No of Titles : 110

No of Volumes : 237

UG Project Reports : 51

PG Project Reports (Pursuing) : 00

b) Internet facilities for Staff & Students

c) Class rooms with ICT facility

d) Laboratories

S.NO	NAME OF LAB	PHOTO
1	<u>CAD/STAAD PRO Lab:</u> Equipped with P-IV systems installed with windows XP, AUTO CAD, STAAD PRO Cadian Professional, And ANSYS -11 Software.	
2	<u>FLUID MECHANICS & HYDRAULICS MACHINERY LAB:</u> This lab contains totally 10 Test Equipments, all are in good working condition.	
3	<u>MECHANICS OF SOLIDS LAB:</u> In this lab having totally 8 experiments, all are in good working condition.	
4	<u>SURVEYING LAB:</u> Its contains totally 10 experiments all are in good working condition.	
5	<u>ENGINEERING GEOLOGY LAB:</u> In this lab having totally 10 Experiments, all are in good working condition.	

6	<u>CONCRETE TECHNOLOGY LAB:</u> This lab contains totally 10 Test Equipments, all are in good working condition.	
7	<u>GEOTECHNICAL ENGINEERING LAB:-</u> In this lab having totally 10 Experiments, all are in good working condition.	
8	<u>TRANSPORTATION ENGINEERING LAB: -</u> This lab contains totally 10 Test Equipments, all are in good working condition.	
9	<u>WATER & WASTEWATER ENGINEERING LAB:-</u> This lab contains totally 10 Test Equipments, all are in good working condition.	
10	<u>ENGINEERING WORKSHOP:-</u> (Carpentry, Fitting, House wiring, Tin smithy and Block smithy):- Its contains totally 20 experiments all are in good working condition.	

30. Number of students receiving financial assistance from college, university, government or other agencies

Institution Wise:

Academic Year: 2009-10

No. Of Students – 1803

Sanctioned Amount- 5,57,06,150

Academic Year: 2010-11

No. of students – 1849

Sanctioned Amount- 5,93,73,015

Academic Year: 2011-12

No. Of students- 2263

Sanctioned Amount- 7,14,48,400

Academic Year: 2012-13

No .Of Students- 2414

Sanctioned Amount- 4,11,41,400

31. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: Nil
Participation in Institutional Social Responsibility (ISR) and Extension activities

Event	Date & Venue	Clipping
Tree Plantation	20/12/2011 Gurivayapalem	
Blood Donation camp	05/01/2012 NEC	
Veternary camp	16/01/2012 Gurivayapalem	
Dental camp	20/01/2012 Gurivayapalem	
Rallie against corruption&against terrorism	02/02/2012 Gurivayapalem	
Adult literacy	23/02/2012 Gurivayapalem	

Clean & green	03/03/2012 Gurivayapalem	

32. SWOC analysis of the department and Future plans - Nil

Evaluative Summary of MBA Department

The college offers MBA Programme since 2006 and approved by the AICTE, affiliation from JNTU, Kakinada. The Department aspires to mould the locals to cater the corporate companies. NEC Offers a competitive learning experience combined with a host of faculties. The Department has been organizing no of co-curricular and extracurricular activities since its inception in 2006. Plant visits are organized for students regularly and they visited no of industries with in the state. Guest Lectures are organized to improve the skills of students on various aspects relating to Marketing strategies, leadership qualities, SEBI guidelines on Investor awareness, personality development, memory techniques, goal setting by eminent academicians and professionals.



Dr. M. SrinivasaNarayana

Professor & HOD, MBA

Dr. M. SrinivasaNarayana, Professor completed his MBA in two specializations HRM & Marketing. He had a vast experience of 23 years in teaching which includes 8 years in administration. He produced 2 Ph.Ds from JNTU Kakinada and ANU and 20 M.Phils from different universities in state. His published work includes 15 articles in national magazines and 5 international magazines. He had presented papers in more than 40 national and international seminars. He is an academic council MBA programs of IGNOU, AcharyaNagarjuna University and Pondicherry Universities. He is a resource person and delivered guest lectures on various topics like time management, resume preparations, soft skills etc. He is a life member in various institutions like Indian Commerce Association, Indian Society for Technical Education, A.P Economic Association, A.P Counseling Psychologists Association.

PROGRAM OBJECTIVES

- Work with competence and quality in broad range of areas relating to effective and established management practices to improve the knowledge relating to core functional areas in management like finance, human resources and marketing.
- Engage themselves effectively in related jobs requiring multi-disciplinary approach and multiple skills couple with professional competence and ethical attitude with a lot of carrier towards social issues and services in various fields of management services.
- Effectively utilize their acquired skills in the attainment of excellence in the Management careers comprising of entry level management positions in the industry, service in government / non-government organizations,
- Engage them in lifelong learning to which their capabilities through the pursuance of value added courses in new and emerging areas, research studies etc.
- Encourage creative talents to face up competitions in the ever changing and dynamic era with knowledge.

PROGRAM OUTCOME

- Acquire skills in applying knowledge related to all functional areas and disciplines of management
- Develop motivational and leadership ability to facilitate the development of organizations.
- Ability to use the techniques, skills and modern managerial tools necessary for improvement of management practices.

1. Name of the department : **Master of Business Administration**
2. Year of Establishment : **2006-2007**
3. Names of Programmes / Courses offered : **PG**
4. Names of Interdisciplinary courses and the departments/units involved:

Basic Sciences and Humanities, MCA
5. Annual/ semester/choice based credit system (programme wise): **Semester**
6. Participation of the department in the courses offered by other departments:

Civil, Mechanical, EEE,ECE,CSE, IT Departments
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **NA**

9. Number of teaching posts

Post	Sanctioned	Filled
Professors	2	2
Associate Professors	2	2
Asst. Professors	12	12

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. M. SrinivasaNarayana	M.com, MBA,M.sc(Phy), M.Phil, Ph.D	Professor	Marketing & HRM	23	1
Dr. M. Aravind	M.com, MBA,M.Phil, Ph.D	Professor	Marketing & HRM	12	Nil
S. VenkataRamana	MBA, M.Phil, (Ph.D)	Assoc.Professor	Finance	12	Nil
T. MallikarjunaRao	MBA, M.Phil,	Asst.Professor	Marketing & Finance	7	Nil
P. Pattabhi Ram	MBA, M.Phil,	Asst.Professor	Marketing & Finance	6	Nil
Sk. Kareem Basha	MBA	Asst.Professor	Marketing & HRM	6	Nil
S. Siva SankaraRao	MBA	Asst.Professor	Marketing & HRM	6	Nil
K.V.B.Ganesh	MBA	Asst.Professor	Marketing & HRM	5	Nil
K. VaralakshmiBai	MBA	Asst.Professor	Marketing & HRM	2	Nil
A. SrinivasaRao	MBA	Asst.Professor	Marketing & HRM	2	Nil
P. VenkaiahBabu	MBA	Asst.Professor	Finance	6	Nil
S. Pavani	MBA	Asst.Professor	Marketing & HRM	2	Nil
Ch. Anjaneyulu	MBA	Asst.Professor	Marketing & HRM	1	Nil
P. Krishna Sunil	MBA	Asst.Professor	Marketing	4	Nil

B. Siva Ready	MBA	Asst.Professor	Finance	4	Nil
R. Ravikanth	MBA	Asst.Professor	Marketing & HRM	6	Nil

11. List of senior visiting faculty: **Prof G.N. Brahmanandam Prof.S.V.Raju from Acharya Nagarjuna University.**

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **No**

13. Student -Teacher Ratio (programme wise) : 15:1

14. Number of academic support staff (technical) & administrative staff; sanctioned & filled :**Sanctioned 2 Filled 2**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **Ph.D -2, M.Phil – 3, PG-11**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : -**Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : - **Nil**

18. Research Centre /facility recognized by the University : - NA

19. **Publications:**

*** a) Publication per faculty :**

1. **18th Oct'12, Dr. M. SrinivasNarayana**, Professor & **K.V.B. Ganesh**, Assistant Professor – Published and Presented Paper for National Seminar on **“STRATEGIES FOR YOUTH EMPOWERMENT”** organized by Department of HRM, in AcharyaNagarjunaUniversity, Guntur
2. **18th Oct'12, S. VenkataRamana**, Associate Professor & Nagarjuna (Student) – Presented Paper for National Seminar on **“HUMAN RESOURCES DEVELOPMENT AS STRATEGY FOR SUSTAINABLE EMPLOYEE PERFORMANCE”** organized by Department of HRM, in AcharyaNagarjunaUniversity, Guntur
3. **18th Oct'12, Sk. Kareem Basha**, Assistant Professor & **BharathiAgarwal** (Student) – Published & Presented Paper for National Seminar on **“WOMEN EMPOWERMENT IN INDIA –IN EDUCATION PERSPECTIVE”** organized by Department of HRM, in AcharyaNagarjunaUniversity, Guntur
4. **18th Oct'12, P. Vijaya Lakshmi**, Assistant Professor – Published & Presented Paper for National Seminar on **“CHANGING TRENDS OF HUMAN RESOURCES IN ORGANIZATIONS”** organized by Department of HRM, in AcharyaNagarjunaUniversity, Guntur

5. **18th Oct'12, K. Vara Lakshmi**, Assistant Professor & **Jagadeesh Reddy** (Student) – Published & Presented Paper for National Seminar on **“YOUTH EMPOWERMENT TO REDUCE CRIME IN THE SOCIETY”** organized by Department of HRM, in AcharyaNagarjunaUniversity, Guntur
6. **18th Oct'12, A. SrinivasRao**, Assistant Professor & **G. Lakshmi Harika** (Student) – Published & Presented Paper for National Seminar on **“ROLE OF EMPOWERMENT AMONG EMPLOYEES IN INDUSTRIES”** organized by Department of HRM, in AcharyaNagarjunaUniversity, Guntur
7. **18th Oct'12, S. HimaBindu**, Assistant Professor & **T.V.K Vara Prasad** (Student) – Published & Presented Paper for National Seminar on **“STRATEGIES FOR EFFECTIVE UTILIZATION OF HUMAN RESOURCES”** organized by Department of HRM, in AcharyaNagarjunaUniversity, Guntur
8. **13th Oct'12, S. VenkataRamana**, Associate Professor & **S. Siva SankarRao**, Assistant Professor–Presented Paper for National Seminar on **“CHALLENGES FOR INTERNET BANKING IN INDIA”** conducted by Department of Commerce in AcharyaNagarjuna University, Guntur
9. **13th Oct'12, T. MallikarjunaRao**, Assistant Professor & **Sai Sarath Chandra** (Student) –Presented Paper for National Seminar on **“TECHNOLOGICAL DEVELOPMENT IN BANKING SECTOR”** conducted by Department of Commerce in AcharyaNagarjuna University, Guntur
10. **13th Oct'12, P. VenkaiahBabu**, Assistant Professor–Presented Paper for National Seminar on **“BANKING SECTOR REFORMS”** conducted by Department of Commerce in AcharyaNagarjuna University, Guntur
11. **UGC NET QUALIFIED** IN June 2012 for Lectureship – Achievement by **T. MallikharjunaRao**, Assistant Professor, Department of MBA
12. **12th May'12, S. VenkataRamana**, M.B.A., M.Phil., Associate Professor – Participated **Paper Presentation for National Seminar** on Research Methodology in KBNCollege, Vijayawada
13. **4th Mar'12, P. Vijaya Lakshmi**, M.B.A., Assistant Professor – Presented & Published paper on **Quality of Work Life with reference to service sector** at YogiVemanaUniversity, Kadapa
14. **4th Feb'12, T. MallikarjunaRao**, M.B.A., (M.Phil.) Assistant Professor & **S. Siva SankarRao**, M.B.A., Assistant Professor – Participated in National Conference meet on **Women Empowerment – Self Help Groups** under Bank Linkages in T.J.P.SCollege, Guntur
15. **4th Feb'12, P. Vijaya Lakshmi**, M.B.A., Assistant Professor & **P. Pattabiram**, M.B.A., Assistant Professor – Participated in National Conference meet on Women Empowerment – **Obstacles and Strategies for Women Entrepreneur** in T.J.P.S College, Guntur.
16. **27th Nov'11, P. Vijaya Lakshmi**, M.B.A., Assistant Professor – Participated in Paper Presentation for International Seminar on **Poverty – Issues and concerns** in Nagarjuna University, Guntur.

*** Number of papers published in peer reviewed journals (national / international) by faculty and students :**

Dr. M. SrinivasaNarayana (6)

1. Presented a paper "Ethics in Digital World" in International Seminar on "Organizational Ethics" organized by Department of Management studies, Sri Venkateswara University, Tirupathi, on 29th February, 2008.
2. Presented a paper "A metamorphism for rural development via knowledge management & Information technology" in International conference on "Agnipreneurship and Rural Development" organized by faculty of management studies, Banaras, Hindu University, during 5th – 6th December 2009.
3. Presented a paper "Marketing to Rural A strategy for survival and growth in changing business scenario" in International conference on "Survival and growth strategies in changing business scenario" organized by commerce wing, Directorate of Distance Education, Annamalai university during 28th – 29th December, 2009.
4. Presented a paper on "Impact of Global Recession on Migrant Remittances and Foreign Investment" in International conference on "Trade and Commerce" organized by Department of Commerce, Co-sponsored by ICSSR – SRC and SBH, Hyderabad during 5th – 7th March, 2010.
5. Presented a paper on "Gender equality and women empowerment in one day international seminar on "Enhancing competitive advantage through strategic HRM" organized by Dept. of Business Management Velagapudi Ramakrishna SiddhardhaEngg.College, Vijayawada on 11th April,2012.
6. Presented a paper on "Green Marketing initiatives by Indian Corporate Sector – A study" in the 1st International Conference on "Global Research sharing thoughts and gaining memorable knowledge" organized by Standford Welfare Organization, Vijayawada on 7th October 2012.

***Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :Nil**

* Monographs	:	Nil
* Chapter in Books	:	Nil
* Books Edited	:	Nil
* Books with ISBN/ISSN numbers with details of publishers	:	Nil
* Citation Index	:	Nil
* SNIP	:	Nil
* SJR	:	Nil
* Impact factor	:	Nil
* h-index	:	Nil
20. Areas of consultancy and income generated	:	Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial

Boards..... : ----Nil----

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme :**NA**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies :**100%**

23. Awards / Recognitions received by faculty and students :**1**

24. List of eminent academicians and scientists / visitors to the department :

Dr. S. SrinivasaRao from SEBI as adviser, VenkataRamana from Jocil Ltd and Siva Reddy from Coco Cola.

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National : -----Nil----

b) International : ----Nil-----

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
MBA					
2010-11	108	108	82	26	100%
2011-12	98	98	74	24	100%
2012-13	96	96	61	35	
2013-14	122	122	77	45	

*M = Male

*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
MBA			
2010-11	100%	Nil	Nil
2011-12	100%	Nil	Nil
2012-13	100%	Nil	Nil
2013-14	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : **Nil**

29. Student progression

Student progression	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	81
•Other than campus recruitment	108
Entrepreneurship/Self-employment	17

30. Details of Infrastructural facilities

a) Library	:	Yes
b) Internet facilities for Staff & Students	:	Yes
c) Class rooms with ICT facility	:	1
d) Laboratories	:	1

31. Number of students receiving financial assistance from college, university, government or other agencies

2010-11 : 51, 2011-12: 82, 2012-13: 93, 2013-14:122

32. Details on student enrichment programmes (special lectures /workshops/seminar) with external experts;

List Enclosed

33. Teaching methods adopted to improve student learning : **Seminars, Guest Lectures and PPTs**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities :

Our students participated in the blood donation program of the college.

35. SWOC analysis of the department and Future plans

Strengths: 1. Experienced faculty
2. Good Infrastructure
3. Oldest department in existence.

Weakness :

1. LCD facility is available to only one class room

Opportunities:

With experienced faculty and good infrastructure it stands as a Prominent department in the Palnadu area. This will be useful to attract the talent of Krishna , Guntur and Prakasam districts.

Challenges:

Private universities like KL university and vignan university pose a challenge to the existence of nearby MBA Colleges including our college.

Evaluative Report of MCA Department

1. Name of the Department : **Department of MCA**
2. Year of Establishment : **2002**
3. Names of Programs/Courses offered : **One PG course (MCA).**
(UG,PG, M.Phil, Ph.D,Integrated Masters;Integrated Ph.D etc.,)

4. Names of Interdisciplinary courses and the departments or units involve :

S. No.	Subject	Offered by
1	Accounts and Financial Management(MCA I Sem)	MBA Department.
2	Organizational Structure and Personnel Management(MCA II Sem)	MBA Department.
3	English Language Communication Skills	BS & H Department.
4	Probability and Statistics	BS & H Department.
5	Digital Logic and Computer Systems Organization Lab	ECE Department.

5. Annual/Semester/Choice based Credit system :
(Programme wise)

Course Name	Year	Semesters
MCA (3 Years)	I	2 Semesters
	II	2 Semesters
	III	2 Semesters
		(Last Semester is exclusively meant for Project Work.)

6. Participation of the department in the courses offered by other departments

Name of the Other Department	Courses offered by MCA Department
MBA	1. Information Technology Lab-1(MBA I SEM) 2. Database Management Systems Theory (MBA I SEM) 3. Information Technology Lab-2 (MBA II SEM)

Courses in collaboration with other Universities, Industries, Foreign Institutions etc.: Nil

7. Details of Courses/Programmes discontinued : Nil

8. No. of Teaching posts:

Post	Sanctioned	Filled
Professors	1	1
Assoc. Professors	3	3
Asst. Professors	8	8

10. Faculty Profile with Name, Qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. /M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Students guided in last 4 yrs
V. Mahesh Babu	M.C.A, M.Tech	Professor	Computer Applications	15	Nil
A.V.S Ratna Kumari	M.C.A, M.Tech	Assoc. Prof	Computer Applications	11	Nil
S. Srinivasa Rao	M.C.A	Assoc. Prof	Computer Applications	7	Nil
M. Mamatha	M.C.A	Assoc. Prof.	Computer Applications	6	Nil
D. Subbarao	M.C.A, M.Tech	Asst. Professor	Computer Applications	3	Nil
G. Sambasiva Rao	M.C.A	Asst. Professor	Computer Applications	3	Nil
G. Siva Prasad	M.C.A	Asst. Professor	Computer Applications	3	Nil
K.Sambi Reddy	M.C.A	Asst. Professor	Computer Applications	2	Nil
M. Raja Sekhar	M.C.A	Asst. Professor	Computer Applications	1	Nil
SK. Rafi	M.C.A	Asst. Professor	Computer Applications	1	Nil
Y. Baji yadav	M.C.A	Asst. Professor	Computer Applications	1	Nil
D. Madhusudhan Rao	M.C.A	Asst. Professor	Computer Applications	1	Nil

11. List of senior visiting faculty :Nil

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

: Nil

13. Student-Teacher Ratio (programme wise) : 1:15

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Programmers	2	2
Attenders	1	1

15. Qualification of teaching faculty with

D.Sc/D.Litt/Ph.D/M.Phil/PG : PG

16. Number of faculty with ongoing projects from

a) National

b) International funding agencies and

grants received : Nil

17. Departmental projects funded by DST-FIST; UGC,

DBT, ICSSR, etc. and total grants received : Nil

18. Research Center/facility recognized by the University : Nil

19. Publications

- * Publication per faculty

- * Number of papers published in peer reviewed journals (national/international) by faculty and students

- * Number of publications listed in International Database (For Eg: Web of Science, scopus, Humanities International complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)

- * Monographs

- * Chapter in Books

- * Books Edited

- * Books with ISBN/ISSN numbers with details of publishers

- * Citation Index

- * SNIP

- * SJR

- * Impact factor

- * h-index

FACULTY NAME	DESIGNATION	NO. OF PUBLICATIONS	TITLES	DURATION
V.MAHESH BABU	HOD	2	1. A paper on “Enhancing security in Real- Time wireless networks using SPS algorithm”. International Journal of Technology and Engineering System, Voll. No 1 Jan-June 2010.	June-2010
			2. A Paper on “A secure scheme for e- service applications”, International Conference on operations and Management Science, Institute of Management Technology, Nagpur, India, 12-13 February 2010.	Feb-2010
D.SUBBA RAO	ASSISTANT PROFESSOR	2	1. Published a paper in “ISBN” titled “A Network Recovery Scheme for Node or Link Failures using Multiple Routing Configurations”.	Mar-2012
			2. Published a paper in “IJCA” titled “Network Recovery for Node and Link Failures using Multiple Routing”.	June-2012

20. Areas of consultancy and income generated

: Nil

21. Faculty as members in

- a) National committees
- b) International committees
- c) Editorial boards....

: Nil

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

Name of the Course	Year	No. of Students done In-house projects	Percentage
MCA	2012-2013	10	17.5
	2011-2012	Nil	0
	2010-2011	Nil	0

- b) percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies

Course Name	Year	No. of Students done outside the institution	Percentage
MCA	2012-2013	47	82.5
	2011-2012	45	100
	2010-2011	57	100

23. Awards/Recognitions received by faculty and students :

Yalavarthy Kiranmai 10471F0045 Got Merit Award & Gold Medal from Vignan's University, Vadlamudi, Guntur.

24. List of eminent academicians and scientists/visitors to the department

S. No	date	Topic of Guest Lecture	Name of eminent academicians and Scientists/Visitors
1	21/03/13	Biometrics	Mrs.G.Madhavi, Asst. Prof, JNTU College of Engg. , Vizainagaram.
2	28/08/12 & 29/08/12	Personality Development	Swami Sevananda, Sri Ramakrishna Math, Vijayawada.

3	17/09/11	Technologies and Domains	Mr. S. Krishna Rao, CEO, Inforpark software Technologies.
4	12/09/11	Web Deployment	Dr. A. P. Siva Kumar, Dept. of CSE, JNTU- Anantapur.

25. Seminars/Conferences/Workshops organized & the source of funding

- a) National
- b) International

S NO	Subject	Date	Resource Person	Source of Funding
1	International Conference on Computing “NECICC2K13”	21/07/13 & 13/07/13	Prof. G. Tulasi Ram Das, Vice-Chancellor, JNTUK.	Management
			Prof. Y. K. Sundara Krishna, Principal, Krishna University.	
			Prof. K. Subrahmanyam, Dept. of CSE, KL University.	
			Prof. M.R. Narasingarao, Dept. of CSE, KL University.	
2	A workshop on Windows8 Operating System	11/01/13	Prof. B.N. Venkatesh, Microsoft India Pvt.,Ltd., Hyd.	Management
3	A Workshop on ANDROID	7/01/13 & 8/01/13	Mr. Devesh & Mr. Abhinav, Blue Eminence Technologies Pvt.,Ltd., Delhi.	Management
4	A Workshop on Dhrupula Website Development	02/01/13&3/01/13	Ms. Madhavi, Vice President, Swetcha Oranisation, Hyd.	Management
5	A Seminar on Qual net network simulator	01/10/12	Ms S. Srujana, Nihan Communication Solutions, Bengalure.	Management
6	A National level Workshop on Data Clustering Algorithms	23/09/11& 24/09/11	Prof. N. B. Venkateswarlu, Former Faculty Member of BITS Pilany, India.	Management

26. Student Profile programme/course wise

Name of the course/programme	Applications received	Selected	Enrolled		Pass Percentage
			*M	*F	
MCA(2013-14)	60	60	33	27	
MCA (2012-13)	43	43	29	14	79
MCA (2011-12)	47	47	27	20	97.87
MCA (2010-11)	60	60	34	26	95

*M = Male *F = female

27. Diversity of Students

Name of the Course	Year	% of the students from the same state	% of the students from the other states	% of students from abroad
MCA	2013-2014	100	Nil	Nil
	2012-2013	100	Nil	Nil
	2011-2012	100	Nil	Nil
	2010-2011	100	Nil	Nil

28. How many Students have cleared national and state competitive examinations such as NET, SLET, GATE, CIVIL Services, Defense Services, etc. : Nil

29. Student Progression

Student Progression		Against % enrolled
UG to PG		Not Applicable
PG to M.Phil.		Nil
PG to Ph.D.		Nil
Ph.D. To Post-Doctoral		Nil
Employed		
Year	Campus selection	Other than campus recruitment
2013-2014	Nil	Nil
2012-2013	13	5
2011-2012	4	4
2010-2011	2	5
Entrepreneurship/Self-employment		Nil

PG to PG	
Year	M.Tech. Joined
2013-2014	Nil
2012-2013	3
2011-2012	Nil
2010-2011	Nil

30. Details of Infrastructural facilities

a) Library

No. of Titles 6,786

No. of Volumes 42,853

No. of Journals 481

No. of National Journals 149

No. of International Journals 332

b) Internet facilities for Staff & Students : 100 Mbps Internet Connection is available.

c) Class rooms with ICT facility : LCD Projector is available

d) Laboratories : 2 computer Labs with 128 Systems are available with Gigabit LAN, Internet, HP Server with Xeon Squad core processor, 8GB RAM.

31. Number of students receiving financial assistance from college, University, Government or other agencies

Year	Total no. of students	No. of students receiving financial assistance from College/University/Government	No. of students not receiving financial assistance from College/University/Government
2013-2014	60	42	18
2012-2013	43	38	5
2011-2012	47	42	5
2010-2011	60	42	18

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

S.No	Date	Subject	Resource Person	Source of Funding
1	21/03/13	Biometrics	Mrs. G. Madhavi, Asst. Professor, JNTU College of Engg, Vijayanagaram.	Management
2	26/09/12 & 27/09/12	Linux System Administration & Python	Mr. Giri & Mr. Abhinav, Swetcha Organisation, Hyd.	Management
3	08/09/12	Android Operating System	Mr. V. Siddardha & Mr. Dinakar, Tech vegas Pvt., Ltd., Hyd	Management
4	28/08/12 & 29/08/12	Personality Development	Swami Sevananda, Sri Ramakrishna Math, Vijayawada.	Management
5	15/03/12	Object Oriented Analysis and Design	Dr. E. Srinivasa Reddy, Prof. HOD of CSE and Vice-Principal of ANU, Guntur.	Management
6	18/02/12	Adhoc networks and Sensor Networks	Dr. O. B. V. Ramaiah, Prof. Dept. of CSE, JNTU-Hyd.	Management
7	29/12/11	Need for Information Security	Dr. Ch. Roopa, Prof. VVIT, Guntur.	Management
8	17/12/11	Microsoft Technologies	Mr. M. Saichandar Reddy, Technical Relationship Manager, Microsoft Geo Expansion team Denave India Pvt., Ltd., Hyd.	Management
9	17/09/11	Technologies and Domains	Mr. S. Krishna Rao, CEO, Inforpark software Technologies.	Management
10	12/09/11	Web Deployment	Dr. A. P. Siva Kumar, Dept. of CSE, JNTU-Anantapur.	Management
11	03/12/10 & 04/12/10	Recent Advances in Modeling Language and network programming.	Mr. M. K. Sampath Kumar and Mr. P. B. Ranga, TCS, Hyd.	Management

33. Teaching methods adopted to improve student learning

- * LCD projector is used to make the class room sessions live.
- * More number of lab experiments are added in addition to university prescribed.
- * Remedial classes were conducted for poor learners.
- * Unit wise tests conducted for regular continuous assessment.
- * Assignments are given at the end of each Unit to improve their problem solving skills.
- * Students are encouraged to see NPTEL videos on MCA course related subjects.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

S. No	ISR And Extension Activity	Date	Remarks
1	Blood Donation Camp	04/01/13	155 blood bottles collected
2	Contribution to Army Fund on "ARMED Forces Flag Day"	18/01/13	Rs. 4,500 Collected and send
3	Collection of donations from students towards communal harmony.	28/12/12	Rs. 5,400 Collected and send
4	Mega Blood Donation Camp on occasion of Engineer's day	16/09/12	300 students donated blood
5	Special Camp at Guravayapalem village, Narasaraopet Mandal, Guntur Dt Andhra Pradesh.	21/11/11 & 27/11/11	Distribution of fruits, Aids awareness meeting, Health checkup, Clean and Green program, 3,500 trees were planted.

5. SWOC analysis of the department and future plans

Strengths	Weaknesses	Opportunities	Challenges
1. Experienced and dedicated faculty. 2. Well supporting management. 3. State of the art Laboratories with 100 Mbps Internet connections. 4. Excellent Library 5. Clean and Green campus.	1. Rural background students with poor communication skills. 2. At present not much research work is undergoing in the department.	1. We can make entrepreneurs by educating the students about the market opportunities. 2. Encourage students to do more certifications which are available at campus.	1. Improve communication and employability skills of students. 2. Encourage faculty to conduct more research work.