

# MALLA REDDY ENGINEERING COLLEGE (Autonomous)



## Self – Study Report

Submitted to NAAC for Cycle 2  
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SSR 2015 MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

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NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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## PREFACE

Malla Reddy Engineering College was established, after receiving approval from AICTE, in the year **2002** with an intake of 240 UG students in four branches of Engineering in 10 acres of lush green serene lands abutting twin cities of Hyderabad and Secunderabad. Over a period of 12 years, the institution academically established itself quiet well in the region and affiliated to Jawaharlal Technological University Hyderabad, Hyderabad.

The college has about 4500 students pursuing their studies in six branches of undergraduate engineering programmes and fifteen specializations in postgraduate engineering programmes besides MBA. About 10 percentage of the faculty members are pursuing Ph.D. in different branches of engineering and sciences. The college is a nerve centre for professional education in the region.

At present the college is accredited by **NBA**, second time, in five major departments of engineering up to June 2016. **UGC granted autonomy** to the institution for a period of six years from the academic year 2014-15 to 2019-20. The institution is recognized to receive research grants under section **2(f) & 12(B)** of UGC. It is receiving grants to the tune of Rs. 4 crores under **TEQIP-II** of the World Bank. These are some of the visible milestones reached by the institution.

A comprehensive self study report (SSR) is being presented to NAAC for its assessment of cycle 2. The SSR covers all the curricular, co-curricular and extracurricular activities undertaken by the college.

We seek favorable advice and accreditation to enable the institution to progress with a high academic success rate.

**PRINCIPAL**  
**(Dr. S.Sudhakara Reddy)**

## **SECTION B:**

### **Executive Summary & SWOC Analysis**

#### **Executive Summary**

Shri Chamakura Malla Reddy, Hon'ble Member of Parliament, Govt. of India, Founder Chairman of Malla Reddy Group of Institutions with a noble thought of providing world class quality Technical Education has established Malla Reddy Engineering College (MREC) in the year 2002. The college is located in a serene campus of 10 acres at Maisammaguda amidst Telangana Forest Academy. At the inception, the institution started with four departments namely 1. Electrical and Electronics Engineering (EEE) 2. Mechanical Engineering (ME) 3. Electronics and Communication Engineering (ECE) and 4. Bio Technology (BT) with a total intake of 240 students. The institution presently, due to continuous expansion offers B.Tech. programmes in seven departments with an intake of 1020 students and 15 specializations in M.Tech programmes in five departments with an intake of 360 students. The institution also offers MBA with an intake of 120 students.

The institution now has grown manifolds in terms of infrastructure, latest trends and tools in pedagogy, research, industry liaisons and placements in undergraduate and postgraduate courses.

Malla Reddy Engineering College is among the top colleges that has achieved many important milestones. It received the NBA accreditation in the departments of 1. Electrical and Electronics Engineering 2. Mechanical Engineering and 3. Electronics and Communication Engineering in the year 2008 for three years and Re-accreditation of NBA in the year 2014 for 2 years in departments of 1. Electrical and Electronics Engineering 2. Mechanical Engineering and 3. Electronics and Communication Engineering, and fresh NBA accreditation in the departments of 1. Civil engineering (CE) and 2. Computer Science and Engineering (CSE). The institution has been accredited by NAAC with "A" Grade with a CGPA of 3.01 in the year 2010. It obtained permanent affiliation by JNTUH, Hyderabad in the year 2010. In the year 2011, the college was conferred with the Autonomous Status by JNTUH and also Rs. 4 crores was received through TEQIP-II from the World Bank. In the year 2013, the institution was Recognized by UGC under Section 2(f) & 12 (B) of UGC Act 1956 for UGC research grants. Grant of Autonomy by UGC for the academic year 2014-15 to 2019-20.

College believes in initiating quality improvement programmes for the benefit of the students and faculty. The programs such as Remedial classes, Bridge Courses, Mentor-Mentee programs, Industry interface programmes and guests lectures for better employability opportunities for the students are conducted periodically. Innovative development programmes that enable the faculty and the students to stay connected with the latest Global technology are regularly conducted. Malla

Reddy Engineering College under the dynamic principal Dr S.Sudhakara Reddy has relentlessly emphasized on excellence in providing quality and value based education for young engineers and budding leaders. With its academic guidance, consistent involvement with long term vision and goals resulted in completely transforming the institution to produce globally competent professionals.

*MREC's consistent endeavor is to maintain excellence.*

#### Curricular Aspects

Malla Reddy engineering College is one of the premier Engineering colleges in the state. The Institute currently has ten faculties of studies viz. Civil Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Information Technology, Mining Engineering, Master of Business Administration, Master of Computer Applications and Humanities and Sciences. This Institute is offering six undergraduate programmes and sixteen postgraduate programmes in academic year 2014-15.

#### Approved intake for UG, PG and MBA programmes for the academic year 2014-15

##### UG Programme:

S. No	Programme	Name of the Programme	Intake	Total
1	B.Tech	Civil Engineering	180	
2		Electrical & Electronics Engineering	120	
3		Mechanical Engineering	240	
4		Electronics & Communications Engineering	180	
5		Computer Science and Engineering	240	
6		Mining Engineering	60	
		<b>B.Tech Total intake</b>		<b>1020</b>

##### PG Programme:

S. No	Programme	Name of the Programme	Intake	Total
1	M.Tech	Structural Engineering (Shift I)	18	

2		Transportation Engineering (Shift II)	24	
3		Geo Technical Engineering ( Shift I)	24	
4		Control Systems (Shift I)	18	
5		Control Systems (Shift II)	18	
6		Control Engg. (Shift I)	18	
7		Power Electronics and Electrical Drives(Shift II)	24	
8		Electrical Power Systems (Shift I)	24	
9		Thermal Engg. (Shift I)	18	
10		Advanced Manufacturing Systems (Shift II)	24	
11		Machine Design (Shift I)	24	
12		Digital Systems & Computer Electronics (Shift I)	18	
13		VLSI System Design (Shift I)	24	
14		Embedded Systems (Shift I)	24	
15		Computer Science and Engineering (Shift I)	18	
16		Computer Science and Engineering (Shift II)	24	
17		Computer Science (Shift I)	18	
		<b>M.Tech Total intake</b>		<b>360</b>
18	MBA	MBA	120	120
		<b>Grand Total intake in B.Tech , M.Tech and MBA</b>		<b>1500</b>

The programmes offered by the institute are **Semester Based Credit System**, with the students having flexibility in choosing elective subjects. The curriculum is designed to cater to the existing and future needs of the industry and society. The curriculum is reviewed once in two years or reviewed if required earlier.

**Teaching-Learning and Evaluation**

This Institute gives top priority for Teaching-Learning and Evaluation. Right from the first semester Bridge courses and Remedial classes are conducted for academically needy students to help them perform well in internal as well as external examinations. Advanced learners are encouraged to pursue value-added programmes. Since the faculty take up the responsibilities like Class teacher, mentors, counselors, etc., the scholastic development of the students is taken care of.

In addition to the teaching, faculty members also prepare course files for every subject, lesson plan and assessment records for all courses. Tutorial hours are assigned for all subjects. Visits to industries, class seminars, guest lectures by industry and academic experts, etc., add value to the effective learning.

The students are continuously assessed throughout the semester. The evaluation is based on 25% weightage for Internal Assessment and 75% weightage for End semester Examination for theory courses; for practical courses it is 33.3% for Internal and 66.7% for External. The assessment marks and attendance particulars are maintained by Examination Branch using well developed software which enables the publication of results within four weeks from the date of last examination. Students have an option to go for either recounting or reevaluation.

Every faculty member is evaluated by his/her students on a ten point scale based on ten parameters. The feedback forms are evaluated by the Academic Committee and the evaluation part is forwarded to the Principal and Heads of the Departments. If any of the faculty members fails to perform well, special counseling is done by the Principal and the Head of the Department. Faculty Development programs are frequently conducted for the benefit of faculty members.

**Research and Consultancy**

This Institute gives lot of importance for Research and Development. It believes that a Researcher can be a good knowledge provider. Research and its applications are given importance. Several Minor Research Projects were approved by UGC. This Institute has been sanctioned four crore rupees of World Bank aid by MHRD under TEQIP-II Scheme.

The faculty members of this Institute have brought out few books which contain valuable information for the Engineering students and are guiding Research Scholars. They have published several research articles in referred journals. This Institute publishes half yearly News Bulletin. This Institute has Memorandum of

Understanding with various organizations like HP, IBM, BSNL, PGP Electronics, MRK Automation Pvt. Ltd., Zonta Technologies, Vedic School of VLSI Design, Unistring Technologies, Jay Robotix, MEDEQUIP services Pvt. Ltd., Black Bucks, OPT integrated Design solutions Pvt. Ltd., Poojapriya Engineering Works Pvt. Ltd., CII etc.

**Infrastructure and Resources**

All the Departments have e-class Rooms, Well-equipped Laboratories, Seminar halls and Conference halls. This Institute is a Wi-Fi enabled campus. This Institute has a Central Library with Digital Library facility and every department has its own library to provide easy access to the students and faculty. This Institute has an excellent Computer centre which provides internet facilities for the students and staff. This Institute has state-of-the-art Main Auditorium with seating capacity of 1500 and Mini Auditorium with seating capacity of 200. Three generators are available for supplying un-interrupted power supply. Hostel and mess facilities are provided for boys and girls. Besides hostels, it has two canteens, bakery, cafeteria etc. This Institute has a play ground for Cricket, Shuttle Court, Basketball Court, volley ball court, Gymnasium, Indoor games facility, Health centre, etc.

This Institution also has an Entrepreneurship Development Cell, Placement Cell. Additional amenities available are Union Bank of India branch, Post office, ATM facilities, Stationery Store, Transport facility for staff and students, parking area etc.

**Curricular, Co-curricular and Extracurricular activities**

Apart from regular academic activities, the Institution ensures special attention to overall development of students through curricular, co-curricular and extra-curricular activities. The students of this Institution have been participating in various competitions related to sports and cultural activities. They have been participating in Inter-college tournaments conducted by JNTUH, Hyderabad. Some of our students represented the affiliating university in various events.

In order to instill professionalism, the students are advised to enroll in professional societies of their choice. They are motivated to participate in Conferences, Workshops, Paper Presentation competitions, Technical Fests, etc. Besides this, Soft skills development programmes, Campus Recruitment Training classes are conducted to support the students to secure campus placements. Every year reasonably good numbers of students get placed in various companies.

**Leadership and Management**

This Institute has become one of the Premier Engineering Colleges in the state within a short span of time. It is mainly because of the highly committed management which monitors the development based on the inputs from the Administrative and Academic heads, faculty members, students and supporting staff. This Institute is headed by Shri Ch. Malla Reddy, Member of Parliament. He is assisted by the secretary of the educational society, Principal, Deans, Directors, Heads of various departments and Controller of Examinations, etc.

**Innovations and Best Practices**

Innovation has been the hallmark of this Institute. Some of the innovations and best practices followed in the Institute include: Professional ethics, representation of Alumni and Industrial experts in Board of Studies, Conducting Communication skills/ Soft skills classes, Organizing Technical seminars, Faculty Development Programme (FDPs), encouraging the faculty members to pursue Ph.D programme, financial support to faculty in order to attend Seminars/Conferences, maintaining the eco-friendly green campus.

**STRENGTHS, WEAKNESSES, OPPORTUNITIES and CHALLENGES (SWOC).****STRENGTHS:**

1. Matured, progressive and forward looking college management with a focused vision.
2. Efficient and encouraging principal with academic Leadership.
3. Spirit and action in the team work by the committed faculty members who execute time bound technical tasks with best results.
4. Consistently hardworking Faculty members with commitment.
5. The college is UGC autonomous, NBA accredited and Re-accreditation NAAC accredited and World Bank supported through TEQIP.
6. Spacious accommodation for departments, class rooms, tutorial rooms and laboratories.
7. College is having MOUs with IIT, Hyderabad in respect of technical seminars, workshops and conferences and also with CII helps in Industry Institute Interaction.
8. Existence of entrepreneurship development cell enables students and faculty to implement their concepts for prototyping and Commercialization.
9. Industry Institution Interaction cell arranges industrial visits and industry oriented projects.

10. Digital library and J- gate facility available in the Library. NPTEL lectures can be browsed through college website.
11. Regular mentor- mentee counseling available.

**WEAKNESSES:**

1. Industrial consultancy need to be strengthened.
2. Senior faculty with doctorates to carry out research in latest fields.
3. Strong R & D teams to be available to work on Government funded Projects.
4. Most of the students with Rural background who are more used to native language and are lacking good communication skills in English.
5. MOUs with reputed academic institutions and research organizations.
6. Lack of expertise in faculty to acquire patents.
7. Staff quarters to be provided for faculty associated with essential services.
8. Lack of Strong alumni interaction, cooperation and support.
9. Monetary benefits to the students projects.
10. Lack of Inter-disciplinary and multi-disciplinary programmes and research activities on both theoretical and practical application areas.

**OPPORTUNITIES**

1. Collaborative research teams with students.
2. Strengthening the research culture in PG students.
3. Improving the communication skills of students.
4. Organizing the collaborative research activities between departments.
5. Improving the research opportunities with the help of peers from outside the institute.
6. Planning and executing the Industry Institution Interaction cell, activities with greater effectiveness.
7. Strengthening and improving Alumni interaction and support.
8. Scope to stimulate and motivate every faculty member to register and pursue investigations leading to doctorate degree.
9. To organize International conferences with higher level of involvement.
10. To offer personality development training programmes regularly through Training and Placement cell.
11. Strive for upgradation to a private/ deemed university status.

**CHALLENGES:**

1. Developing patents and good research teams in every department
2. To create centers of 'excellence in research', in every department.
3. To develop students efforts so that they can compete with graduates from higher learning institutions like IITs and NITs.
4. To appoint more faculty with industrial experience to meet Industry requirements and to contribute "Brand India" in respect of Talent and technology.
5. To implement the good governance model in creation of centers of excellence and focus on skill development and upgradation. To contribute to the technical progress in respect of engineering projects proposed by Government of India.
6. Develop multi-disciplinary and inter-disciplinary courses and programmes.
7. To improve the English speaking, writing skills in the students.
8. Risk of losing experienced faculty and staff for better opportunities at other institutions.
9. Switching over to Grade point system for awarding marks as recommended by UGC in future.

## College Building Photos





**Administration and B.Tech 1<sup>st</sup> year Block**



**B.Tech 1<sup>st</sup> year, Workshop, Placement Block**



**EEE, ECE and Administrative Block**



**Civil, Mechanical and Mining Engineering Block**



**Computer Science & Engineering and Information Technology Block**



**Post Graduation Block**



**Fitness and Health Centre Block**



**Basket Ball Court and Gym**

## Section C

### Profile of the Institution

#### 1. Profile of the Autonomous College

1. Name and Address of the College:

Name :	Malla Reddy Engineering Colloeege (Autonomous)		
Address :	Maisammaguda, Dhulapally, Via Kompally		
City : HYDERABAD	Pin : 500 100	State : Telangana	
Website :	<a href="http://www.mrec.ac.in">www.mrec.ac.in</a>		

2. For communication :

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. S.Sudhakara Reddy	O: 040-65918418 R: 040-40068024	9348161125	040-23792153	<a href="mailto:principal@mrec.ac.in">principal@mrec.ac.in</a>
Vice Principal	Dr. R.S.Reddy	O: 040-65918418	9985306620	040-23792153	<a href="mailto:teqip@mrec.ac.in">teqip@mrec.ac.in</a>
Steering Committee Co-ordinator	Mr. V Narshima Reddy	O: 040-65918418	9676787689	040-23792153	<a href="mailto:mehod@mrec.ac.in">mehod@mrec.ac.in</a>

3. Status of the Autonomous College by management.

- I Government
- II **Private** ✓
- III Constituent College of the University

4. Name of University to which the College is Affiliated **JNTUH**

5. a. Date of establishment, prior to the grant of 'Autonomy' : (27/05/2002)  
 b. Date of grant of 'Autonomy' to the College by UGC: (20/01/2014)

6. Type of Institution:

- a. By Gender
  - i. For Men
  - ii. For Women
  - iii. **Co-education** ✓
- b. By Shift
  - i. **Regular** ✓
  - ii. Day
  - iii. Evening

- c. Source of funding
  - i. Government
  - i. Grant-in-aid
  - ii. **Self-financing** ✓
  - iii. Any other (Please specify)
- 7. It is a recognized minority institution?
  - Yes
  - No ✓

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

8. a. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	28/01/2013	Nil
ii. 12 (B)	28/01/2013	Nil

(Please see Enclosure- III, the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

b. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/clause	Day, Month and Year (dd-mm-yyyy)	Validity	Programme / institution	Remarks
AICTE	04-Jun-2014	2014-15	Institution	Nil

(Please see Enclose-III, the Certificate of recognition/approval)

- 9. Has the college recognized
  - a. By UGC as a College with Potential for Excellence (CPE)?
    - Yes
    - No ✓
  - If yes, date of recognition: ..... (dd/mm/yyyy)
  - b. For its contributions / performance by any other governmental agency?
    - Yes
    - No ✓

10. Location of the campus and area :

Location *	<b>Rural</b>
Campus area in sq. mts. or acres	<b>10 acres</b>
Built up area in sq. mts.	<b>37485 Sq.M.</b>

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

11. Does the College have the following facilities on the campus (Tick the available facility)? In case the College has an agreement with other agencies in using such facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex ✓
- Sports facilities ✓
  - \* play ground ✓
  - \* swimming pool
  - \* gymnasium ✓
- Hostel ✓
  - \* Boys' hostels ✓
  - \* Girls' hostels ✓
- Residential facilities
  - \* for teaching staff
  - \* for non teaching staff
- Cafeteria ✓
- Health centre – ✓
  - \* First aid facility ✓
  - \* Inpatient facility ✓
  - \* Outpatient facility ✓
  - \* Ambulance facility ✓
  - \* Emergency care facility ✓
- Health centre staff –
  - \* Qualified doctor Full time
  - \* Qualified Nurse Full time ✓
- \* Other facilities
  - o Bank ✓
  - o ATM ✓
  - o post office ✓
  - o book shops ✓
- Transport facilities
  - \* for students ✓
  - \* for staff ✓
- Power house ✓
- Waste management facility

## 11. Details of programmes offered by the institution: (Academic year 2014-15)

Sl. No	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student intake	No. of students admitted
1	UG	B.Tech/CE	4 Years	Intermediate / 10+2	English	180	180
2		B.Tech/EEE	4 Years	Intermediate / 10+2	English	120	120
3		B.Tech/ME	4 Years	Intermediate / 10+2	English	240	240
4		B.Tech/ECE	4 Years	Intermediate / 10+2	English	180	180
5		B.Tech/CSE	4 Years	Intermediate / 10+2	English	240	240
6		B.Tech/ Mining	4 Years	Intermediate / 10+2	English	60	60
7	PG	M.Tech/ Structural Engineering (Shift I)	2 Year	B.E/B.Tech	English	18	18
8	PG	M.Tech/ Transport Engineering (Shift II)	2 Year	B.E/B.Tech	English	24	24
9	PG	M.Tech/ Geo Technical Engineering ( Shift I)	2 Year	B.E/B.Tech	English	24	15
10	PG	M.Tech/ Control Systems (Shift I)	2 Year	B.E/B.Tech	English	18	
11	PG	M.Tech/ Control Systems (Shift II)	2 Year	B.E/B.Tech	English	18	06
11	PG	M.Tech/ Control Engg. (Shift I)	2 Year	B.E/B.Tech	English	18	09
12	PG	M.Tech/ Power Electronics Electrical Drives(Shift II)	2 Year	B.E/B.Tech	English	24	21

Sl. No	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student intake	No. of students admitted
13	PG	M.Tech / Electrical Power Systems (Shift I)	2 Year	B.E/B.Tech	English	24	19
14	PG	M.Tech/ Thermal Engg (Shift I)	2 Year	B.E/B.Tech	English	18	11
15	PG	M.Tech/ Advanced Manufacturing Systems (Shift II)	2 Year	B.E/B.Tech	English	24	12
16	PG	M.Tech/Machine Design (Shift I)	2 Year	B.E/B.Tech	English	24	17
17	PG	M.Tech/ Digital Systems & Computer Electronics (Shift I)	2 Year	B.E/B.Tech	English	18	12
18	PG	M.Tech/VLSI System Design (Shift I)	2 Year	B.E/B.Tech	English	24	18
19	PG	M.Tech/ Embedded Systems (Shift I)	2 Year	B.E/B.Tech	English	24	23
20	PG	M.Tech/ Computer Science and Engineering (Shift I)	2 Year	B.E/B.Tech	English	18	15
	PG	M.Tech/ Computer Science and Engineering (Shift II)	2 Year	B.E/B.Tech	English	24	09
21	PG	M.Tech/ Computer Science (Shift I)	2 Year	B.E/B.Tech	English	18	05
22	PG	MBA	2 Year	B.A/B.Com/ B.Sc/B.Tech	English	120	101

23	Integrated Masters	-	-	-	-	-	-
24	M.Phil	-	-	-	-	-	-
25	Ph. D.	-	-	-	-	-	-
26	Integrated Ph.D	-	-	-	-	-	-
27	Certificate	-	-	-	-	-	-
28	Diploma	-	-	-	-	-	-
29	PG Diploma	-	-	-	-	-	-
30	Any Other(Please specify )	-	-	-	-	-	-

13. Does the institution offer self-financed Programmes?

Yes  No   
 If yes, how many? **03**

14. Whether new programmes have been introduced during the last five years?

Yes  No   
 If yes Number :

15. List the departments: (Do not list facilities like library, Physical Education as departments unless these are teaching departments and offer programmes to students)

Particulars	Number	Number of Students
Science Under Graduate Post Graduate Research centre(s)	NA	
Arts Under Graduate Post Graduate Research centre(s)	NA	
Commerce Under Graduate Post Graduate Research centre(s)	NA	
Any Other - <b>ENGINEERING</b> Under Graduate Post Graduate Research centre(s)	7 15 Nil	3420 696
MBA	01	300
MCA	01	120

16. Are there any UG and/or PG programmes offered by the College, which are not covered under Autonomous status of UGC? Give details. -

**NO**

17. Number of Programmes offered under (Programme means a degree course like BA, MA, BSc, MSc, and B.Com etc.)

- a. annual system - Nil
- b. semester system - **04**
- c. trimester system - Nil

18. Number of Programmes with

- a. Choice Based Credit System - Nil
- b. Inter/Multidisciplinary Approach - Nil
- c. Any other (specify) - Credit based Semester System

19. Unit Cost of Education

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

- (a) including the salary component Rs. 41,932/-
- (b) excluding the salary component Rs. 10,453/-

20. Does the College have a department of Teacher Education offering NCTE recognized degree programmes in Education?

Yes  No

If yes,

- a. How many years of standing does the department have?  
..... years
- b. NCTE recognition details (if applicable) Notification No.:  
.....  
Date: ..... (dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately?  
Yes  No

21. Does the College have a teaching department of Physical Education offering NCTE recognized degree programmes in Physical Education?

Yes  No

If yes,

- a. How many years of standing does the department have?  
..... years
- b. NCTE recognition details (if applicable) Notification No.:  
.....  
Date: ..... (dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately?  
Yes  No

22. Whether the College is offering professional programme?  
 Yes  No   
 yes, approved by AICTE (**Please see Enclosure-III**)
23. Has the College been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.  
 College is reviewed by affiliating university **JNTUH, Hyderabad**.  
 Affiliation copy for Academic year 2014-15 by JNTUH, Hyderabad (**Please see Enclosure-IV**)

Number of teaching and non-teaching positions in the College

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 Recruited Yet to recruit										
Sanctioned by the Management/society or other authorized bodies	*M&F		*M&F		*M&F		*M&F		*M&F	
	39		78		208		152		86	
Recruited	38	1	59	19	155	53	48	104	78	08
Yet to recruit										

\*M - Male \*F - Female

25. Qualifications of the teaching staff

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	38	1	5	2	1	0	47
M.Phil.							
PG			54	17	154	53	278
Temporary teachers							
Ph.D.							

M.Phil.							
PG							
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

26. Number of Visiting Faculty/ Guest Faculty engaged by the College.  
 No Visiting Faculty/Guest faculty, All the faculty members are permanent.
27. Students enrolled in the College during the current academic year, with the following details:

Student	Dept.	UG		PG-M.Tech.		MBA		MCA	
		M	F	M	F	M	F	M	F
From the state where the college is located	CE	463	62	95	18	104	78	96	27
	EEE	413	92	74	59				
	ME	561	81	67	6				
	ECE	376	238	71	41				
	CSE	531	299	51	38				
	Mining	111							
From other state of India	IT	94	58			23	49	26	5
	CE	43	15	5	3				
	EEE	7							
	ME	23	5	4	--				
	ECE	28	0	5	3				
	CSE	20	21	--	1				
NRI Student	IT	15	13						
	--	--	--	--	--				
Foreign Students	--	--	--	--	--				
Total		2686	884	404	185	127	127	122	32

\*M-Male \*F-Female

28. Dropout rate in UG and PG (average for the last two batches)  
 UG: 2 PG: 1

29. Number of working days during last academic year: **309**
30. Number of teaching days during the last academic year: **238**
31. Is the college registered as a study centre for offering distance education programmes for any University? Yes **No**
- If yes, provide the
- a. Name of the University
- b. Is it recognized by the Distance Education Council?  
 Yes  No
- c. Indicate the number of programmes offered.
32. Provide Teacher-student ratio for each of the programme/course offered  
**UG - 1:15**  
**PG- 1:12**
33. Is the College applying for?  
 Accreditation: Cycle 1  Cycle 2  Cycle 3  Cycle 4
- Re-Assessment:
34. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)
- Cycle 1: 28/03/2010 (dd/mm/yyyy) Accreditation outcome/results  
 Accredited with "A" Grade with a CGPA of **3.01/4.00 (Enclosure: V)**  
 Cycle 2: ..... (dd/mm/yyyy) Accreditation outcome/results  
 Cycle 3: ..... (dd/mm/yyyy) Accreditation outcome/results
- \* Kindly enclose copy of accreditation certificate(s) and peer team report(s)
- Cycle 1 refers to first accreditation; Cycle 2 and beyond refers to reaccreditation

35. a. Date of establishment of Internal Quality Assurance Cell (IQAC)  
**01/07/2010** (dd/mm/yyyy)
- b. Dates of submission of Annual Quality Assurance Reports (AQARs).
- (i) AQAR for year **2012-13** on **24/02/2014** (dd/mm/yyyy)
- (ii) AQAR for year **2011-12** on **04/09/2014** (dd/mm/yyyy)
- (iii) AQAR for year **2013-14** on **04/09/2014** (dd/mm/yyyy)
- (iv) AQAR for year **2010-11** on **19/02/2015** (dd/mm/yyyy)
36. Any other relevant data, the College would like to include. (Not exceeding one page)
- ❖ This is one of the UGC granted autonomous college under JNTUH, Hyderabad.
  - ❖ College is accredited by NAAC with A grade with a CGPA of 3.01/4.0.
  - ❖ Major departments in the college are accredited by NBA at least twice.
  - ❖ The college is among the few institutions in the country selected by NPIU under TEQIP-II, S.C.I.1.



**Section - D**  
**Criteria-wise Analytical Report**  
**Criterion –I: Curricular Aspects**

**Criteria - wise Inputs****CURRICULAR ASPECTS****1.1 Curriculum Design and Development****1.1.1 How are the institutional vision / mission reflected in the academic programmes of the College?**

Institutional vision and mission are framed to carry the message of imparting academic values to enhance educational values and employability through apt curriculum design and development. The input for this exercise is from the feedback obtained from different stakeholders.

The vision and mission of the institution are furnished below.

**VISION:**

To establish a reputable professional education centre to impart high quality trend setting technologies in an ambience of humanity, wisdom, intellect and innovation to nurture the students to become competent and committed professionals with disciplined ethical values.

**MISSION:**

Commitment to progress in mining new knowledge by adopting cutting- edge technologies to promote academic growth by offering state-of-the-art under graduate and post graduate programmes based on well-versed perceptions of global areas of specialization to serve the nation with advanced technical knowledge.

However, different departments have their own vision and mission designed in a similar approach, by obtaining feedback from relevant stakeholders namely Civil Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Information Technology, Mining Engineering, MBA and MCA.

For Example: The vision and mission of **Mechanical Engineering** department in achieving different Programme Educational Objectives (PEOs), student employability and educational values is furnished below.

**Vision of Mechanical Engineering:** To provide world class platform for education, research and technical skills in Mechanical Engineering and to create global leaders with passion for innovation for ensuring environment friendly development needs of the society.

**Mission of Mechanical Engineering:** To create innovative learning for the students and faculty with superior and environment friendly infrastructure, best faculty and enable them for better interaction with Advance Technical knowledge and learning under practical situations so as to make them effective leaders

The detailed exercise in mapping Programme Educational Objectives and Programme Outcomes with vision and mission is carried out regularly by obtaining feedback from different stake holders

**PEOs of Mechanical Engineering:**

1. To develop ability among students by creating environmental friendly infrastructure to synthesize technical data and concepts of Mechanical Engineering to design and develop industrial products that meet the global needs.
2. To provide the students with advanced technical knowledge thereby creating sound foundation in the mathematical , scientific and engineering fundamentals necessary to formulate , solve and analyse Mechanical Engineering problems and to prepare them to work as part of teams on multi disciplinary products.
3. To promote student awareness and to develop skills for continued independent, lifelong learning to become experts in their profession with professional ethics and code of practice.

**Programme Outcomes**

PO	Programme Outcomes
a	An ability to apply knowledge of mathematics, science and engineering.
b	An ability to design and conduct experiments, as well as to analyze and interpret
c	An ability to design a system, component or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health, safety, manufacturability and sustainability.
d	An ability to function on multidisciplinary teams.
e	An ability to identify, formulate and solve engineering problems.
f	An understanding of professional and ethical responsibility.
g	An ability to communicate effectively.
h	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.
i	Recognition of the need for, and an ability to engage in life-long learning.
j	A knowledge of contemporary issues and
k	An ability to use the techniques, skills and modern engineering tools necessary for engineering practice.

**1.1.2 Describe the mechanism used in the design and development of the curriculum? Give details on the process. (Need Assessment, Feedback, etc).**

The Curriculum is designed based on the demand and requirement of the courses in the programme which is assessed from the feedback obtained from the peers and stakeholders. The assessment of the curriculum at a given period of time will be highly beneficial to the students and employers.

The process of curriculum design and development adopted by the institution is as follows. The curriculum from the following sources is collected and studied for suitable selection.

- ❖ Previous curriculum of the institution.
- ❖ Affiliating university
- ❖ Curriculum of neighboring universities and institutions like Osmania University, NITs, BITS, Deemed universities and IITs.
- ❖ Feedback from stakeholders

The administrative bodies associated and involved in the design and development of the curriculum are Board of Studies (BOS) in each department and Academic Council at the college level.

The departments collect the curriculum from the academic bodies listed above and make it available to the members of the BOS in advance preferably two weeks. After the exhaustive study of the curriculum the BOS decides about the curriculum and course structure and syllabi in each subject. In the course structure design the BOS fixes up the pattern of subjects in basic sciences, basic engineering subjects, management subjects, prerequisites, core subjects, electives, seminars, comprehensive ability in understanding the subject and projects. The BOS also decides about the number of hours and credits to be offered in each subject.

The curriculum designed by BOS of each department is submitted to Academic Council for final approval.

The College Academic Council (CAC) studies critically the pattern of the curriculum based on industry needs and ensures that the uniform pattern of basic sciences, basic engineering subjects etc. in all the departments. Also the AC ensures that proper distribution of laboratory work and theoretical subjects is maintained.

**1.1.3 How does the College involve industry, research bodies, and civil society in the curriculum design and development process? How did the College benefit through the involvement of the stakeholders?**

The Principal constitutes the BOS and Academic Council based on the guidelines and recommendations of UGC.

**Composition of BOS:**

1. Head of the department concerned (Chairman).
2. One Faculty from each specialisation.
3. Two experts in the subject from outside the college nominated by the Principal.
4. Affiliating university nominee.
5. One representative from industry/corporate sector/allied area relating to placements.

6. One postgraduate meritorious alumnus nominated by the principal.

**Term**

The term of the nominated members shall be two years.

**Functions**

The functions of Board of Studies of a department in the college are to:

- Prepare syllabi for various courses keeping in view, the objectives of the college, interest of the stakeholders and national requirement for consideration and approval of the college academic council;
- Suggest methodologies for innovative teaching and evaluation techniques;
- Suggest panel of names to the Academic Council for appointment of examiners; and
- Coordinate research, teaching, extension and other academic activities in the department/college.

**Composition of Academic Council:**

- The principal (Chairman).
- All the heads of department in the college.
- Four teachers of the college representing different categories of teaching staff by rotation on the basis of seniority of service in the college.
- Not less than four experts from outside the college representing such areas as Industry, Commerce, Law, Education, Medicine, Engineering etc., to be nominated by the Governing Body.
- Three nominees of the university.
- A faculty member nominated by the principal (member secretary).

**Academic Council Members**

Sno	Name	Description	Designation
1	Dr. S Sudhakara Reddy	Principal, MREC	Chairman
2	Dr. P. Rajasekhar	Head, Dept. of Civil Engineering	Member
3	Mr. P Sankara Babu	Head, Dept. of EEE	Member
4	Mr. V Narasimha Reddy	Head, Dept. of Mech. Engg., Dept	Member
5	Dr. M.J.C. Prasad	Head, Dept. of ECE	Member

Sno	Name	Description	Designation
6	Mr. P Santosh Reddy	Head, Dept. of CSE	Member
7	Mr. V. Sathish Kumar	I/C Head, Dept. of IT	Member
8	Mr. A. Ravindra	I/C Head, Dept. of Mining Engg.	Member
9	Dr. D Sudha Rani	Head, Dept. of H & S	Member
10	Dr S Konda Reddy	I/C Head, Dept. of Chemistry	Member
11	Mr. Kesava Vamsi Krishna V	I/C Head, Dept. of Physics	Member
12	Mr. Nilesh Kumar Taunk	Head, Dept. of MCA	Member
13	Mr. D Mohan Rao	I/C Head, Dept. of Business Management	Member
14	Dr R Satyanarayana Reddy	Prof., ME Dept.	Member
15	Mr. Kalyan Kumar	Assoc. Prof., H&S Dept.	Member
16	Mrs. M. Lakshmi swaroopa	Assoc. Prof., EEE Dept.	Member
17	Mr.K.V. Ram Prasad	Prof, ECE Dept.	Member
18	Dr I Satya Narayana	Prof, ME Dept & Controller of Examinations	Member
19	Dr. P Ram Reddy	Former Registrar, JNTU, Hyderabad	Member-Subject expert
20	Dr. V S K Reddy	Principal, MRCET	Member-Subject expert
21	Dr B. Venkataramam	Scientist 'G', Group Head, Surface Engg. Division, DMR	Member-Industry Expert
22	Mr. G Vamsi Krishna	Service Delivery Manager, Oakton Global Technologies	Member-Industry Expert

Sno	Name	Description	Designation
23	Mr. Ch. Muninder	Executive Engineer, R & B Dept. Hudco wing, Office of the Engg., Chief Erramanjil	Member-Industry Expert
24	Mr. Vijaya Ramana Rao	Sr. Manager & I/C R&D (electronics), Zen Technologies Ltd.	Member-Industry Expert
25	Dr L Pratap Reddy	Prof. of ECE, JNTUCE, JNTUH,	Member-University Nominee
26	Dr. Md. Manzoor Hussain	Principal, JNTUH, Sultanapur.	Member-University Nominee
27	Prof. S Durga Bhavani	Prof., CSE, JNTUH, School of IT	Member-University Nominee
28	Sri. P V Ramana Murthy	Assoc Prof, CSE dept	Member secretary

The changes in the curriculum, as an example, incorporated in ECE department are presented below

Recommendation of BOS for Approval in the Academic Council for the academic year 2013-14 for B.Tech –ECE

SEMESTER	MODIFICATION	JUSTIFICATION
II YEAR II SEM	Electronic Circuits and Pulse Circuits Lab in JNTU syllabus is split into ECA Lab & PDC Lab.	These are two different labs which cannot be justified as one lab.
III YEAR I SEM IV YEAR I SEM	IC Applications and HDL Simulation Lab in JNTU syllabus is split into Linear and Digital IC Applications Lab & ECAD and VLSI Lab.	The hardware and simulation part of the lab cannot be justified in one Lab. Hardware part is done in LDIC lab and simulation part in ECAD and VLSI lab using cadence tools.
II YEAR I SEM	Basic Simulation Lab is removed.	Most of the experiments in Basic Simulation Lab are covered in Analog Communication Lab & Digital Signal Processing Lab.

Approvals of BOS for the academic year 2013-14 for M. Tech. –DSCE

SEMESTER	MODIFICATION	JUSTIFICATION
1st year 1st sem.	CMOS analog integrated circuit design is replaced with Coding Theory and Techniques.	CTT is more relevant to the course, which is digital in nature, than CMOS analog integrated circuit design.
1st year 2nd sem.	TCP/IP and ATM networks is replaced with Design of Fault Tolerant Systems	Design of Fault Tolerant Systems is a core subject in digital systems.

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

The aspects of

- ❖ Employability
- ❖ Innovation and
- ❖ Research

are addressed by adopting the methodology described below.

The members of the BOS are briefed, during curriculum design and development, about the industry requirements of **employability**. The industry expert in BOS helps in addressing this aspect effectively. The required special attributes like subject knowledge, hands on experience and report writing ability are included in the curriculum.

Advanced subject knowledge in the form of core engineering subjects and electives will enable the student to carry out **innovative** concepts through a novel curriculum.

The proper mixing of analytical knowledge with the support of necessary experimental design and analysis will enhance the faculties of **research** in the students.

#### 1.1.5 How does College ensure that the curriculum developed addresses the needs of the society and have relevance to the regional / national developmental needs?

With reasonable understanding of the regional/national developmental needs curriculum is developed and the changes are incorporated according to the placement data. Continuation of further studies is thoroughly analysed and the drawbacks in the curriculum and additions to be incorporated are determined judiciously. This process is continuous and giving good results.

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

College is strictly following the guidelines given by the UGC in constitution of BOS, Academic Council and Governing Body. The functions of the members of the different bodies are also as per the guidelines given by the UGC.

The affiliating university, JNTUH, Hyderabad, has appreciated the curriculum and the course structure of the college.

**1.2 Academic Flexibility**

**1.2.1 Give details on the following provisions with reference to academic flexibility.**

**a. Core / Elective options:** core and elective subjects are prescribed by BOS of the respective departments and Academic council of the Institution. Elective subjects are offered in III year II semester and IV year I semester and II semester. The student has the freedom of choosing one subject and sometimes department offers more than one elective. Students as per their choice pick any of the electives.

**b. Enrichment courses:** The courses are broadly divided into basic engineering subjects, departmental core subjects, advanced courses, other department support subjects and electives. Proper selection of subjects under these heads done by BOS and College Academic council delivers the holistic picture of the course.

**c. Courses offered in modular form:** All the courses offered are in modular form consisting of five units. All these units are properly linked to convey the central theme of the subject.

**d. Credit transfer and accumulation facility:** The candidate shall register for 224 credits and secure 216 credits with completion in all compulsory subjects as listed below for UG programmes.

1. All Practical subjects
2. Industry oriented mini project
3. Comprehensive viva voce
4. Seminar and
5. Main Project.

In PG programmes the student has to register and complete all subjects.

**e. Lateral and vertical mobility within and across programmes and courses:**

Students in lateral entry concept after completion of diploma in engineering are admitted into second year, this admission is being done by the state government. There is no scope of vertical mobility i.e. branch transfer is not permitted, by the

government.

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

There is no admission in the category of PIOs hence special efforts in this direction are not initiated.

**1.2.3 Does the College offer dual degree and twinning programmes? If yes, give details.**

NO

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

All the programmes offered in the institution are self financed only. They are listed below:

Sl. No	Programme	Admission	Fee Structure	Teacher Qualification	Salary
1	B.Tech-CE	EAMCET	As per government which is decided by AFRC(Admission and fee regulation committee) at present it is Rs 56,100/- per year	As per the AICTE norms	As per AICTE norms - VI Pay Scales
	B.Tech-EEE				
	B.Tech-ME				
	B.Tech-ECE				
	B.Tech-CSE				
	B.Tech-Mining				
2	M.Tech-Structural Engineering (Shift I)	PGECET & GATE	As per government which is decided by AFRC at present it is Rs 57,000/- per year	As per the AICTE norms	As per AICTE norms - VI Pay Scales
	M.Tech-Transport Engineering (Shift II)				
	M.Tech-Geo Technical Engineering (Shift I)				
	PG				

M.Tech-Control Systems (Shift I)					
M.Tech-Control Systems (Shift II)					
M.Tech-Control Engg. (Shift I)					
M.Tech/Power Electronics Electrical Drives(Shift II)					
M.Tech-Electrical Power Systems (Shift I)					
M.Tech-Thermal Engg (Shift I)					
M.Tech-Advanced Manufacturing Systems (Shift II)					
M.Tech-Machine Design (Shift I)					
M.Tech-Digital Systems & Computer Electronics (Shift I)					
M.Tech-VLSI System Design (Shift I)					
M.Tech-Embedded Systems (Shift I)					
M.Tech-Computer Science and Engineering (Shift I)					
M.Tech-Computer					

		Science and Engineering (Shift II)			
		M.Tech-Computer Science (Shift I)			
3	PG	MBA	ICET	As per government which is decided by AFRC at present it is Rs 27,500/- per year	
4	PG	MCA		As per government which is decided by AFRC at present it is Rs 35,000/- per year	

Fee structure: As per state government norms, the fee for both the categories i.e. counseling (70%) and Management (30%) for all programmes is the same.  
 Admissions: 70% of admission through entrance test, i.e. Category “A” and 30% as seats are filled by management under Category “B” seats as per the direction given by the state government.

**1.2.5 Has the College adopted the Choice Based Credit System (CBCS)? If yes, how many programmes are covered under the system?**  
 The institution is planning to design CBCS in future.

**1.2.6 What percentage of programmes offered by the College follows:**  
 Annual system: Nil  
**Semester system: 100%**  
 Trimester system: Nil  
 All the programmes offered are semester based only.

**1.2.7 What is the policy of the College to promote inter-disciplinary programmes? Name the programmes and what is the outcome?**  
 The college is planning to promote interdisciplinary programmes like Robotics, Mechatronics, Energy and Nano Technology.

**1.3 Curriculum Enrichment**

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

Curriculum review is conducted on yearly basis through the Feedback collected from stakeholders like students, alumni, parents, employers, academic peers and depending upon the national and global requirements and for future developments, which is discussed in BOS meetings.

**1.3.2 How many new programmes have been introduced at UG and PG level during the last four years? Mention details.**

\*Inter Disciplinary: No

\*Programmes in emerging areas

New programmes introduced during the last four years at UG and PG level are:

Sl. No	Programme		Year Started
1.	UG	B.Tech/Mining	2013-14
2	PG	M.Tech/Structural Engineering (Shift I)	2010-11
		M.Tech/Transportation Engineering (Shift II)	2012-13
		M.Tech/Geo Technical Engineering ( Shift I)	2013-14
		M.Tech/Power Electronics and Electrical Drives(Shift II)	2013-14
		M.Tech/Electrical Power Systems (Shift I)	2014-15
		M.Tech/Thermal Engineering (Shift I)	2010-11
		M.Tech/Advanced Manufacturing Systems (Shift II)	2013-14
		M.Tech/Machine Design (Shift I)	2014-15
		M.Tech/VLSI System Design (Shift I)	2012-13
		M.Tech/Embedded Systems (Shift I)	2014-15
		M.Tech/Computer Science and Engineering (Shift I)	2011-12
		M.Tech/Computer Science and Engineering (Shift II)	2012-13
		M.Tech/Computer Science (Shift I)	2012-13

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

Three pronged strategy is adopted in revision of the programme:

- ❖ The hands-on experience leading to thorough knowledge in practicals.
- ❖ Enhancement of the Analytical and reasoning abilities.
- ❖ Enhancement of employability skills.

About 20% change in syllabus in all subjects of the programme is affected.

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

The following value added courses are offered in the institution to the students of different departments:

Value added courses					
Name of the Department	Name of the programme	Year (I/II/III/IV)	Duration	Supporting agency	Frequency
Civil Engineering	Finishing school programme on STADD PRO	B. Tech-IV	1-Month	PROCAD Technologies Pvt. Ltd., Hyderabad	Yearly
Civil Engineering	Finishing school programme on AUTO CAD	B.Tech-III	1-Month	PROCAD Technologies Pvt. Ltd., Hyderabad	Yearly
Civil Engineering	Water Use Efficiency studies	B.Tech-III	1-Week	Reliable Environmental services	Yearly
Civil Engineering	Water and waste management field based workshop	B.Tech-III	1-Week	Reliable Environmental services	Yearly
Mechanical Engineering	Finishing school programme on AUTO CAD & PRO-E	B.Tech-IV	1-Week	OPT Integrated Design solutions, Hyderabad	Yearly
Electronics & Communication Engineering	PCB design & its fabrication process	B.Tech-III	2 –Days	PGP Electronics Pvt. Ltd. Hyderabad	Yearly
Electronics & Communication Engineering	Skill training programme on Embedded System Design	M.Tech –I	2 –Days	PGP Electronics Pvt. Ltd. Hyderabad	Yearly
Electronics & Communication Engineering	A Laboratory training on PSOC processor	M.Tech-I	2 –Days	Unstring Technologies Pvt. Ltd., Hyd.	Yearly

Name of the Department	Name of the programme	Year (I/II/III/IV)	Duration	Supporting agency	Frequency
Electronics & Communication Engineering	Design of Electronic Circuit using Multisim	B.Tech-II	2 –Days	M/S Prayog Lab Pvt. Ltd., Hyderabad	Yearly
Electronics & Communication Engineering	Lab View software	B.Tech-III	2 –Days	National Instruments, Bangalore	Yearly
Electronics & Communication Engineering	Workshop on Robotics	B.Tech-IV	2 –Days	Orange research Lab	Yearly
Computer Science and Engineering	IBM CE Cloud computing course IBM CE Minor project-Enterprises application development (JAVA)	B.Tech-III-IV	120 Hours	IBM, India	Yearly
Computer Science and Engineering	IBM CE project-Enterprises application development for cloud deployment IBM CE project-Enterprises mobile application development using IBM work light	B.Tech-III-IV	120 Hours	IBM, India	Yearly
Information technology	IBM career education-Enterprise applications for cloud environment using IBM rational application developer & IBM smart cloud	B.Tech-IV	120 Hours	IBM, India	Yearly
Information technology	IBM career education-Enterprise applications (J2EE)	B.Tech-III	120 Hours	IBM, India	Yearly

- ❖ The departments are instructing all the students to take up the training cum Instructions.
- ❖ The programmes are announced regularly in the departments and are

beneficial to the students in upgrading their practical knowledge.

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

The following skill development programmes are offered to the students from the college side.

Name of the Department	Name of the programme	Year (I/II/III/IV)	Duration	Supporting agency	Frequency
T & P Cell and Finishing school	CRT(Tech, Aptitude, Soft Skills)	IV	45 DAYS	Finishing school dept faculty	Yearly
T & P Cell and Finishing school	CRT(Tech, Aptitude, Soft Skills)	III	9 DAYS	Finishing school dept faculty	Yearly
T & P Cell and Finishing school	CRT(Tech, Aptitude)	III	Full Semester	Finishing school dept faculty	Yearly
T & P Cell and Finishing school	CRT(Soft Skills)	II	Full Semester	Finishing school dept faculty	Yearly
T & P Cell and Finishing school	Personality Development	IV , III	2 DAYS	Freelancer(Sudhir Kekrae)	Yearly
T & P Cell and Finishing school	Personality Development	I	1 DAY	Freelancer(Sudhir Kekrae)	Yearly
T & P Cell and Finishing school	Career Enhancement Programme	I	3 DAYS	Freelancer	Yearly
T & P Cell and Finishing school	Android Workshop	III, IV	2 DAYS	JKC	Yearly



#### 1.4 Feedback System

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

YES, College has a formal mechanism to obtain feedback from students regarding the curriculum at different levels. Feedback received from students is discussed in BOS meetings for curriculum revision. The meaningful suggestions are incorporated into the curriculum.

##### 1.4.2 Does the College elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods adopted to do the same - (conducting webinar, workshop, online forum discussion etc.). Give details of the impact on such feedback.

Experts from academia drawn from premier institutions are members in various Board of Studies, College Academic Council and also are consulted through interaction and discussion. Informal Feedback from the national and international faculty is collected as and when they visit the institution on academic assignments or interactive promotional sessions. The feedback thus collected is used in designing and updating the curricula.

##### 1.4.3 Specify the mechanism through which alumni, employers, industry experts and community give feedback on curriculum enrichment and the extent to which it is made use of.

Annually Alumni meet is arranged in which formal and informal feedback from alumni is obtained and placed before BOS and Academic Council for necessary upgradation in curriculum. Feedback is also obtained from employers and community members.

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

The Academic Council and the Governing Body review the academic performance periodically and puts forward suggestions for improvement and the sustenance of the quality. Feedback is taken on the performance of our graduates already placed and new recruits from industry when they visit for campus placements. The chairpersons of various Boards of studies are in regular contact with the domain specific experts and also others on the statutory bodies like BOS and Academic Council. The college takes up academic audit regularly.

## Criterion –II

### Teaching-Learning & Evaluation

**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?**

Admissions in to the college are done as per the rules and regulations of state Govt. The college has been ensuring wide **publicity** of the programmes and the admission process through several open-ended means such as prospectus, institutional website, and advertisements in widely circulated regional and national newspapers, mass contact and other such means. The popularity of the college among the prospective students and their parents can be observed from the fact that students with the best EAMCET ranks join the college

The admission into UG & PG programme is mostly based on merit/rank obtained in recognized joint entrance tests like EAMCET, ECET, PGCET, GATE and ICET conducted at state and national level, hence is very much open and **transparent**.

**2.1.2 Explain in detail the process of admission put in place for UG, PG and Ph.D. programmes by the College. Explain the criteria for admission (Ex. (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common test conducted by state agencies and national agencies (v) others followed by the College?**

The admission process for category-A (70%) is through the state government.

**Admissions into UG:** Admission into UG programmes in the college is made by Convener, EAMCET (Engineering Agricultural and Medical Common Entrance Test). Convener is nominated by the Govt. of Telangana. Admissions are done based on the statewide ranks.

Admissions through lateral entry into B.Tech II year are done by convener ECET.

**PG:** Admissions into PG programmes are based on the merit of the candidates in GATE and in statewide test PGCET.

Admissions into MBA & MCA are done by convener ICET.

The conveners are appointed by the government.

For category –B (30%) in both UG and PG is according to the procedure prescribed by Telangana State Council of Higher Education (TSCHE) to the self-financing institutions.

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

Admission into UG/PG programmes in the college is done by Convener. However, the institution through its best practices like parent-teacher-student

counseling and through placement performance attracts better quality students. Remaining of the 30% admissions is done by the management following the guidelines of state council and affiliating university. The same competitive concept adopted for convener quota admissions are applied here also.

**2.1.4 What are the strategies adopted to increase / improve access to students belonging to the following categories**

**\*SC/ST:** Complete fee reimbursement scheme granted by state government is facilitated by the college.

**\* OBC:** Reservation policies of the government are followed.

**\* Women:** Inhouse girls' hostel is provided and a separate women protection cell addresses the issues related to women.

**\* Different categories of persons with disabilities:**

**\* Economically weaker sections:** Additional academic support is provided

**\* Outstanding achievers in sports and extracurricular activities:** Complete funding is provided for national level participation. Depending upon the level of participation, attendance concession is given.

**2.1.5 Furnish the number of students admitted in the College in the last four academic years.**

Categories	2011-12		2012-13		2013-14		2014-15	
	M	F	M	F	M	F	M	F
SC	87	34	118	46	144	56	140	55
ST	47	18	64	25	77	30	76	29
OBC	167	65	228	89	276	108	270	105
General	355	138	483	188	586	228	572	223
Others	13	5	18	7	22	9	22	8
Total	670	260	912	354	1106	430	1080	420
<b>Grand Total</b>	<b>930</b>		<b>1266</b>		<b>1536</b>		<b>1500</b>	

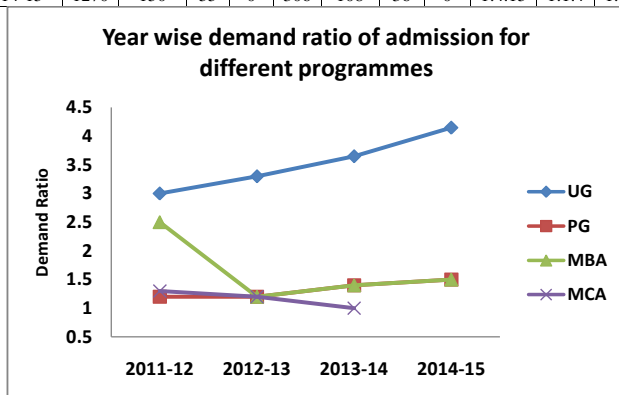
**2.1.6 Has the College conducted any analysis of demand ratio for the various programmes offered by the College? If so, indicate significant trends explaining the reasons for increase / decrease.**

Demand ratio for various programmes in college will be analyzed by our administrative department after getting the 70% list from the state government and 30% list under the management category. The analysis is done every year and some of the findings are given below.

- i. Better rankers year after year in UG and PG programme are admitted through the common entrance tests conducted jointly by state and central like EAMCET and ECET (Lateral Entry students) for UG, for PG PGCET, GATE and ICET.
- ii. It is observed that more and more girl students are getting admitted.

Data regarding admissions into management category (30%) seats.

Programmes Year	No. of application				No. of student admitted				Demand ratio			
	UG	PG- M.Tech	MBA	MCA	UG	PG- M.Tech	MBA	MCA	UG	PG- M.Tech	MBA	MCA
2011-12	595	50	55	33	198	43	18	18	1:3	1:1.2	1:2.5	1:1.3
2012-13	770	85	65	30	234	72	54	18	1:3.3	1:1.2	1:1.2	1:1.2
2013-14	1050	125	74	18	288	96	54	18	1:3.65	1:1.3	1:1.4	1:1
2014-15	1270	150	55	0	306	108	36	0	1:4.15	1:1.4	1:1.5	1:1



2.1.7 Was there an instance of the College discontinuing a programme during last four years? If yes, indicate the reasons.

Yes, B.Tech-IT and MCA programmes are discontinued because of poor response in admission, w.e.f. the academic year 2014-15.

2.2 Catering to Student Diversity

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

Yes. The college organizes an orientation and induction programme of one day,

for the freshers to give a feel of engineering education and make-up for the gaps between 10+2 system and engineering. All the faculty members and Heads of the department are introduced to the students and parents. Students are taken for campus tour to show the library, computer centre, play ground and other facilities. The principal explains about various subjects/courses offered in the curriculum and rules and regulations. Senior faculty conducts special session explaining the importance and applications of the discipline to industry and the society and scope for further studies after graduation

The feedback collected during these programmes is utilized for the improvement in the content and mode of organization during the subsequent years.

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

Based on the feedback taken from students and parents regarding their previous academic performance, rural and urban variations, special classes are arranged in the language, communication and fundamentals. Students are also informed about hostel facilities, Bank, Post office, Transport facilities and health care, sports facilities, library etc.

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

Yes, the college provides bridge courses, remedial classes and extra classes which are incorporated with regular time table and break time.

**Bridge courses** are conducted to the lateral entry students as well as students joined in B.Tech. 1<sup>st</sup> year. After three weeks of the commencement of every semester slip tests are conducted, where the weak and slow learners are identified and **extra classes** are conducted beyond their regular classes. **Remedial classes** are conducted to the students who have backlogs. The college is offering **add-on courses**.

2.2.4 Has the College conducted a study on the incremental academic growth of different categories of students; - student from disadvantaged sections of society, economically disadvantaged, physically challenged and slow learners etc.? If yes, give details on how the study has helped the College to improve the performance of these students.

Yes, in each semester slow learners are identified and category wise analysis is done and in order to improve the incremental academic growth, the following steps are adopted:

- i. Personal counseling by the faculty members under mentor-mentee

- programme.
- ii. One Tutorial class for each subject per week.
- iii. Problem solving exercises are given.
- iv. By conducting slip tests and mock examinations, etc.
- v. Socially backward students are helped by faculty counseling.
- vi. News papers are supplied to the students to upgrade their knowledge.

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

The advanced learners of each subject are identified by the faculty member based on their performance in the internal and external examinations and their interaction in the class and laboratory, their participation in various programmes like paper presentations, seminars, conferences etc. conducted at college level. They are encouraged to participate in various competitions like Quiz, Debate, Group Discussion, essay writing, design apps, Technical models etc. and to participate at national and international level technical competitions.

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

The admissions for differently-abled students are based on govt. policy. Class rooms / Labs and examination halls are located in the ground floor wherever possible. Full adherence to government policies regarding examinations is observed.

### 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 and evaluation blue print, etc.)

- ❖ College academic committee plans and organizes the teaching, learning and evaluation schedule before the beginning of the academic year/ semester. This academic calendar takes care of instructional period, internal evaluation schedules, preparation holidays and end exam schedules, and made available in every department and college website.
- ❖ Teaching plan for every subject is furnished by the respective teachers
- ❖ After internal evaluation is completed, the scripts are shown to the student for discrepancies and discussion.

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

- ❖ Two weeks before the commencement of each semester, lecture schedule and scheme of work are prepared by the faculty and informed accordingly.
- ❖ At the time of admission, Syllabi for various courses along with

regulations are distributed/ circulated in the form of a book to the students and also made available in college website.

- ❖ Class-wise departmental reviews are conducted time to time.
- ❖ Academic committee and the course coordinators of UG and PG monitor and ensure the effective implementation of the above process.

#### 2.3.3 What are the courses, which predominantly follow the lecture method? Apart from classroom interactions, what are the other methods of learning experiences provided to students?

- ❖ All theory subjects follow the lecture method including use of electronic gadgets and practical classes are conducted in groups. Day to day evaluation apart from the class room interaction over and above normal black board teaching, seminars, guest lecture, home assignments, made use for increasing the ability of understanding in core subjects.
- ❖ Use of NPTEL lectures, Quality Enhancement in Engineering Education (QEEE), DELNET, J-Gate, e-portal etc.
- ❖ Industrial interaction, industrial internship, industrial orientated mini projects and industrial visits to the concerned field are also being arranged for better comprehension of the subjects with the association of Confederation of Indian Industry (CII) and Industry Institute Interaction (I.I.I) cell.

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

- ❖ Student centric learning is encouraged although mass instruction techniques are employed often. Group discussions on certain topics including some case studies are discussed along with book knowledge. Seminars are organized by the faculty, in which students are asked to collect information from internet on certain selected topics and to present the same in the class room with the aid of the LCD projector.
- ❖ Hands on experience through industry and community based projects, model making etc.
- ❖ Laboratory experiments are designed to help the students in self learning.
- ❖ Modern teaching aids like computers, LCD projectors, over head projectors, internet, display charts are extensively used for effective learning.

#### 2.3.5 What is the College policy on inviting experts / people of eminence to provide lectures / seminars for students?

Experts are identified to give lectures on topics related to latest technological development, and topics of industrial interest and societal needs. Experts are

invited from higher institution of learning, industry and those in public administration and public life. Suitable remuneration and transport is provided to the experts and this policy is scrupulously followed by all the departments.

**2.3.6 What are the latest technologies and facilities used by the faculty for effective teaching? Ex: Virtual laboratories, e-learning, open educational resources, mobile education, etc.**

The latest technologies and facilities used by faculty are:

- ❖ Open e-learning, resources from IITs and NITs etc.
- ❖ NPTEL Videos are downloaded and video lectures are presented in classroom for visual understanding of lectures, which are also made available in college website.
- ❖ Brainstorming techniques
- ❖ Visual Charts and working/ simulation Models in each laboratory
- ❖ Digital library and Video Lectures
- ❖ Wi-Fi enabled campus
- ❖ Seminars/Projects
- ❖ Webinar classes
- ❖ QEEE: live classes telecasted from IIT Chennai.
- ❖ e-portal

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

We have course coordinators to monitor the technical part, counselors for each class and mentor-mentee system is followed in which each faculty member counsels 20 students on technical and nontechnical issues for the benefit of the students. 2 to 5% of the students are benefited. A mentor –mentee book related to student is maintained with appropriate data for four years.

**2.3.8 Are there any innovative teaching approaches/methods/ practices adopted/put to use by the faculty during the last four years? If yes, did they improve the learning? What methods were used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?**

Internet and Wi-Fi are accessible in the campus. The members of the faculty optimally utilize Electronic Resource Management facilities to enhance their knowledgebase in teaching-learning process. The members of the faculty encourage students to have online access and use of video lectures such as NPTEL, QEEE, J-Gate and other online video courses. More and more of interactive approach in teaching resulted in the improvement of grades. The

effectiveness of implementation of innovative practices is measured through student feedback taken from time to time. Good teachers are encouraged by additional increments.

**2.3.9 How does the College create a culture of instilling and nurturing creativity and scientific temper among the learners?**

To enhance the scientific temper among the students

- ❖ The College organize a two day national level techno- cultural fest titled “AKSHARA” every year helps in developing creativity and scientific temper among the students by encouraging them to participate in paper presentations.
- ❖ Model making, innovative projects and project expo on the occasion of Engineers’ day every year titled as “VISESH” on 15<sup>th</sup> September.
- ❖ National youth day is celebrated every year, student brand ambassador is announced.
- ❖ Experiments beyond the syllabus are added in each laboratory.

**2.3.10 Does the College consider student projects a mandatory part of the learning programme? If so, for how many programmes is it made mandatory?**

- \* Number of projects executed within the College.
- \* Names of external institutions associated with the College for student project Work.
- \* Role of the faculty in facilitating such projects.

Yes, as per the programme curriculum for all programmes Industry based mini project and a main project work are mandatory. The 50% of students projects in each programme are executed within the College and some external institutions like HP, IBM, BSNL, PGP Electronics, IVRCL, L&T ECC Division, Aparna Constructions, MRK Automation Pvt. Ltd., Zonta Technologies, Vedic School of VLSI Design , Unistring Technologies, Jay Robotix, MEDEQUIP services Pvt. Ltd., Black Bucks, OPT integrated Design solutions Pvt. Ltd., Poojapriya Engineering Works Pvt. Ltd., Reliable Environmental Services, WALAMTARA, RV Associates, CII etc. associated with the College for student project works.

**Mini project:** Duration is 6 weeks. Carried out in an industry in summer vacation after III year II semester and submitted in IV year II Semester for assessment.

**Main project:** Carried out in IV year II semester. The student prepares a working model of the equipment or designs a new feature either within the institution or in coordination with an industry. This project is evaluated at the end of IV year II semester.

Faculty from respective departments play a supervisory role to a group of students, and help them in choosing a project or suggest one in his mind or advise to participate in an ongoing research or consultancy project if it is carried out

within the institution, accompanies the student groups and guides the students at every stage till completion of the project.

**Year wise projects completed within the institution and outside in different programmes**

Academic Year	Name of the programme (UG/PG)	No of projects carried out in association with an institution of higher learning or industry	No of projects carried out within the college
2010-11	UG	50	70
	PG	11	22
	MBA	20	38
	MCA	25	35
2011-12	UG	45	75
	PG	33	61
	MBA	22	36
	MCA	21	39
2012-13	UG	58	82
	PG	52	68
	MBA	24	35
	MCA	22	38
2013-14	UG	60	115
	PG	73	87
	MBA	44	81
	MCA	24	36

**2.3.11 What efforts are made to facilitate the faculty in learning / handling computer-aided teaching/ learning materials? What are the facilities available in the College for such efforts?**

- ❖ Teaching aids such as LCD projector with internet facility and educational CDs/DVDs are provided to the faculty in the department to transmit the knowledge in the classroom.
- ❖ Online access to different e-learning facilities like NPTEL, digital library provided to faculty through intranet and internet.
- ❖ Faculty members are encouraged to participate and organize faculty development programmes, workshops, seminars and conferences. These programmes help in interacting with peers.
- ❖ Apart from the above, the library subscribes to a good number of e-journals as per AICTE norms for the benefit of the faculty and students to update themselves in the knowledge domain of their interest. The library also stocks enough reference books in addition to the departmental libraries to cater to the needs of the students.

**2.3.12 Does the College have a mechanism for evaluation of teachers by the**

**students / alumni? If yes, how is the evaluation used in achieving qualitative improvement in the teaching-learning process?**

- ❖ Feedback is obtained from students on each subject / course twice in a semester. Feedback form is designed by choosing proper teaching attribute and marks are allotted for each attribute on a 10 point scale. The final analysis in the form of marks on a 10 point scale will be informed to the Heads of the departments and teachers. Thus the teachers have the facility to correct their shortcomings and improve their teaching methods for possible correction. The student feedback is used to have a mid-course correction and/or revamp the methodology of teaching towards a better reach to the slow-learners.
- ❖ Formal and informal alumni feedback is obtained annually, which is used to improve the teaching methodology to suit the demands of higher education and industry.

**2.3.13 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 academic calendar is followed regularly in order to complete the curriculum within the stipulated time frame. The academic audit committee monitors the academic schedules at regular intervals. If necessary special classes will be conducted as and when required.

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

- ❖ The central library possesses all the text books and many reference books for all the subjects/courses of all disciplines. A digital library containing many e-journals like IEEE, J-Gate, INFLIBNET and NPTEL video related to all disciplines is accessible to the faculty and students through the website of the college.
- ❖ The library helps faculty to update themselves with the developments in the subjects of relevance and transmit them to the students through their teaching, and suggesting topics for UG and PG projects.
- ❖ The students use the material available in preparing for paper presentations, choosing topics on their own and assignment topics, and the available project works submitted by the seniors.
- ❖ All the departments have their departmental libraries, where the faculty and students can access the books and project works.

**2.3.15 How does the institution continuously monitor, evaluate and report on the quality of teaching, teaching methods used, classroom environments and the effect on student performance.**

- ❖ Formal and informal Centralized feedback and direct interactive feedback

processes are monitored by academic audit committee.

- ❖ All class rooms including furniture, electrical fittings and projection equipment are cleaned daily and furniture is placed orderly. Administrative Officer (AO) monitors these regularly.
- ❖ An Internal Quality Assurance Cell (IQAC), as suggested by NAAC and College Academic Committee (CAC) are established in the college for improving the Teaching and learning processes.
- ❖ Evaluation of quality of teaching is obtained and assessed by regular monitoring and student performance.

**2.4 Teacher Quality**

**2.4.1 What is the faculty strength of the College? How many positions are filled against the sanctioned strength? How many of them are from outside the state?**

S.No	Academic Year	Sanctioned Strength	Faculty Filled	Total Strength	Faculty from Outside the state
1	2014-15	325	325	325	210

**2.4.2 How are the members of the faculty selected?**

The posts available in the department are advertised in English and regional language newspapers and college website. The respective departmental screening committee screens the applications and short listed candidates are presented to the selection committee.

Composition of the selection committee is given below:

1. Head of the institution.
2. Chairman or Secretary of the society.
3. Head of the department.
4. Subject expert from outside
5. Senior faculty from the department

The selection process consists of:

- ❖ Written examination
- ❖ Demonstration
- ❖ Personal interview

Finally selected candidates are sent to affiliating university for ratification.

**2.4.3 Furnish details of the faculty**

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	38	1	5	2	1	0	47
M.Phil.							
PG			54	17	154	53	278
Temporary teachers							
Ph.D.							
M.Phil.							
PG							
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

**2.4.4 What percentage of the teachers have completed UGC-CSIR-NET, UGC-NET, and SLET exams? In that what percentage of teachers are with PG as highest qualification?**

100% faculty members are with PG as minimum qualification. Out of that, some of the faculty members are with M.Phil, Ph.D and some of the faculty pursuing PhD. 2% of faculty with UGC-NET, 4% of faculty members are FET qualified, conducted by the affiliating university JNTUH, Hyderabad.

**2.4.5 Does the College encourage diversity in its faculty recruitment? Provide the following departments-wise details.**

Year	Dept.	% of faculty who are product of the same college	% of faculty from other college within the state	% of faculty from other state	% of faculty from abroad
2014-15	CE	5	40	55	0
	EEE	10	60	30	0
	ME	0	38	62	0
	ECE	10	57	33	0
	CSE	7	36	57	0
	IT	0	40	60	0
	MINING	0	78	22	0
	H&S	0	55	45	0
	MBA	5	35	60	0
	MCA	0	75	25	0

**2.4.6 Does the College have the required number of qualified and competent teachers to handle all the courses for all departments? if not, how do you cope with the requirements? How many faculty members were appointed during the last four years?**

Yes, the college has required number of qualified and competent teachers to handle all the courses for all departments as per the teacher-to-student ratio stipulations of AICTE.

**2.4.7 How many visiting Professors are on the rolls of the College?**

All the faculty members are on permanent basis.

**2.4.8 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, nomination to national/international conferences/Seminars, in-service training, organizing national/international conferences etc.)**

Since the development of good students depends on the quality of teachers, members of faculty are given necessary encouragement to improve their competence in various areas. The plan for such faculty development envisages:

- ❖ Deputing staff regularly for quality improvement programmes, Seminars, Conferences, FDPs and Workshops.
- ❖ Providing opportunity to involve in research and developmental activities and Research publication of their choice.
- ❖ Motivating teachers to organize Seminars, Conferences etc.
- ❖ Special leave / Study leave for faculty on higher studies in reputed institute as required.
- ❖ TA / DA and registration fee will be provided to the faculty to attend the national and international conferences at national level.

**2.4.9 Give the number of faculty who received awards / recognitions for excellence in teaching at the state, national and international level during the last four years.**

- i. Dr. P Ram Reddy , Director R&D and Prof. in Mechanical engineering department received Engineer of the year award for the year 2010 awarded by government of Andhra Pradesh and Institute of Engineers India.
- ii. Dr. A Raju, received young scientist award in 3<sup>rd</sup> world conference on applied sciences, engineering and technology at Katmandu, Nepal on 27<sup>th</sup> and 28<sup>th</sup> September 2014.
- iii. Dr. J Vijay Kumar Awarded best Paper in National Conference on Power Systems Today (PST) Conducted by Andhra University, Visakhapatnam during 29-30 Jun, 2010.
- iv. Dr. Kesavan Gopal Awarded with best idea contribution Hyderabad, contest by Infotech Enterprises Limited in the year 2009
- v. Dr. K J Sharma, Prof. in Mathematics received 25 years of IEEE

- vi. membership recognition medal in the year 2011.
- vi. Dr. Sharath Babu, Prof. in Mathematics received National level Best research Paper award in the field of Applied Mathematics Category (Prof. Meenakshi Sundarum Memorial best paper Award) at XIX – Congress of APSMS during the period Nov 13-15, 2010 for young research scholars below the age group of 35.

**2.4.10 Provide the number of faculty who have undergone staff development programmes during the last four years. (Add any other programme if necessary)**

Sno	Academic Staff Development Programmes	Number of Faculty									
		CE	EEE	ME	EC E	CSE	IT	H&S	M B A	M CA	Total
1	Refresher courses	15	4	5	8	4	6	9	6	7	64
2	HRD programmes	1	2	2	1	1	3	3	1	0	14
3	Orientation programmes	2	4	4	4	5	0	6	0	0	25
4	Staff training conducted by the College	92	90	95	98	126	23	69	46	32	671
5	Staff training conducted by university/other colleges	22	25	32	36	40	12	29	12	4	212
6	Summer/Winter school, workshop etc.	38	42	48	58	54	27	12	1	1	281
7	Any other (please Specify)	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>170</b>	<b>167</b>	<b>186</b>	<b>205</b>	<b>230</b>	<b>71</b>	<b>128</b>	<b>66</b>	<b>44</b>	<b>1267</b>

**2.4.11 What percentage of the faculty have**

- \* been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies: **5%**
- \* participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies: **25%**
- \* presented papers in Workshops / Seminars / Conferences conducted or



- recognized by professional agencies: **25%**  
 \* teaching experience in other universities / national institutions and others: **5%**  
 \* industrial engagement: **10%**  
 \* international experience in teaching: **0**

**2.4.12 How often does the College organize academic development programmes for its faculty, leading to enrichment of teaching-learning process?**

- \* Curricular Development: **Yearly once**
- \* Teaching-learning methods: **as and when new faculty recruited**
- \* Examination reforms: **Once in a year**
- \* Content / knowledge management: workshops/seminars / guest lectures conducted: **Once in each semester**
- \* Any other (please specify): **Every year national / international conference is conducted by each department.**

**2.4.13 What are the teaching innovations made during the last five years? How are innovations rewarded?**

- ❖ The course or learning objectives and outcomes are re-defined in the syllabus of each course. They are given wide publicity among students in class rooms and hand books given to students at beginning of the course.
- ❖ E-portal: access to learning materials and submission of assignments.
- ❖ QEEE classes with the association of IITs.

**2.4.14 Does the College have a mechanism to encourage**

- \* Mobility of faculty between institutions for teaching? **No**
  - \* Faculty exchange programmes with national and international bodies? **No**
- If yes, how have these schemes helped in enriching quality of the faculty?

**2.5 Evaluation Process and Reforms**

**2.5.1 How does the College ensure that all the stakeholders are aware of the evaluation processes that are operative?**

During Parent-Teacher interaction and on the day of Orientation programme, Principal and Controller of examination explain them about the evaluation process so that not only the students but also the parents will be aware of the same. The entire process of evaluation is made available on the college website and explained in the syllabus book given to the students at the beginning of the course.

**2.5.2 What are the major evaluation reforms initiated by the College and to what extent have they been implemented in the College? Cite a few examples which have positively impacted the evaluation management system?**

- ❖ The method of evaluation involves coding and decoding of answer sheets

- at UG and PG levels to ensure unbiased evaluation.
  - ❖ Question paper is set by the externals and the evaluation of the papers is also done by the external examiners only.
  - ❖ Separate examination portal, i.e. [www.mreexamcell.com](http://www.mreexamcell.com), where the student/parent can login with his/her roll number to know their marks and they can also take printout of their transcript.
  - ❖ Student marks are sent directly to parents through SMS.
  - ❖ Scheme of evaluations to be prepared by internal staff.
  - ❖ Internal evaluation is done by college faculty.
- 2.5.3 What measures have been taken by the institution for continuous evaluation of students and ensuring their progress and improved performance?**
- ❖ The students have to undergo two internal examinations per semester in addition to the assignments. Besides this, slip tests are also conducted. Evaluation in labs is done regularly.
  - ❖ Based on the performance of the students, slow-learners are identified and provided with additional inputs. Apart from this, review and counseling for improving the regularity is carried out.
- 2.5.4 What percentage of marks is earmarked for continuous internal assessment? Indicate the mechanisms strategized to ensure rigour of the internal assessment process?**

**MR14 Regulation:**

UG: For theory subjects, during a semester there shall be 2 mid-term examinations. Each mid-term examination consists of one objective paper, one essay paper and one assignment. The objective paper and the essay paper shall be for 10 marks each with a total duration of 1 hour 20 minutes (20 minutes for objective and 60 minutes for essay paper). The Objective paper is set with 20 bits of multiple choices and filling the blanks type of questions for a total of 10 marks. The essay paper shall contain 4 full questions out of which, the student has to answer 2 questions, each carrying 5 marks. While the first mid-term examination shall be conducted in First 2 1/2 units of the syllabus, the second mid-term examination shall be conducted in Remaining 2 1/2 units. Five (5) marks are allocated for Assignments (as specified by the subject teacher concerned). Assignment should be submitted before the end of the first mid-examination, and the second Assignment should be submitted before the conduct of the second mid-examination. The total marks secured by the student in each mid-term examination are evaluated for 25 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each student. If any student is absent for any subject of a mid-term examination, a re-exam will be

conducted in the deserving cases based on the recommendations of College Academic Committee.

**PG:** The internal evaluation shall be made based on the **average** of the marks secured in the two Mid Term-Examinations conducted-one in the middle of the Semester and the other immediately after the completion of instruction. Each midterm examination shall be conducted for a total duration of 120 minutes with Part A as 2 questions to be answered out of 4 questions each question for 10 marks and Part B with 4 questions to be answered out of 6 questions each question for 5 marks. If any candidate is absent for any subject of a mid-term examination, an additional exam will be conducted in the deserving cases based on the recommendations of the College Academic Committee.

**MBA:** 25 marks shall be awarded based on the Internal Evaluation. Internal Evaluation shall be made basis of on the **average** of the marks secured in the two Mid-Term Examinations conducted one in the middle of the Semester and the other immediately after the completion of instruction. Each midterm examination shall be conducted for a total duration of 120 minutes with Part A as one compulsory question for 10 marks and Part B with 3 questions to be answered out of 5 questions each question for 5 marks

**2.5.5 Does the College adhere to the declared examination schedules? If not, what measures have been taken to address the delay?**

The college conducts examinations as per schedule. If there is an enforced delay, rescheduling is done for a single exam as early as possible to the declared schedule without significant disruption to the total academic calendar.

Separate exam portal is available for results, [www.mreexamcell.com](http://www.mreexamcell.com) , in addition to display in the college website.

**2.5.6 What is the average time taken by the College for declaration of examination results? Indicate the mode / media adopted by the College for the publication of examination results e.g., website, SMS, email, etc.**

The college generally takes four weeks to declare both UG and PG results. The results are announced through college website and marks are directly sent to parent's mobile through SMS and also displayed in notice boards of the departments and exam cell.

**2.5.7 Does the college have an integrated examination platform for the following processes?**

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

Time table generation, student list generation, invigilators, squads, attendance sheets, online Payment and all are standardized.

**\* Examination process – Examination material management, logistics.**

Examination material management logistics such as question paper printing, distribution and confidentiality are maintained.

**\* Post examination process – attendance capture, OMR based exam result, auto processing, generic result processing and certification.**

Manual attendance capture, auto processing, generic result processing and certification are in place.

**2.5.8 Has the College introduced any reforms in its Ph.D. evaluation process?**

College does not offer Ph.D. programme.

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

- ❖ A separate office for the chief controller of examinations is established with separate man-power. One controller of examination and two assistant controllers of examination are appointed to supplement and to assist the Chief Controller of Examinations in effectively organizing the process and results declaration.
- ❖ Paper setters are identified very early and addressed so that the examination process will go smoothly according to schedule.
- ❖ A stand-by question paper is always kept ready in case of unexpected delays.
- ❖ A process of coding and decoding is introduced to maintain confidentiality until the results are finalized.
- ❖ Candidates detained due to shortage of attendance are informed in advance so that the planning for seating in examination goes smoothly.
- ❖ All the internal marks are collected before the start of the first examination to avoid scrambling at the time of announcement of results.
- ❖ Bar-coding pattern is followed for processing of the results.

**2.5.10 What is the mechanism for redressal of grievances with reference to evaluation?**

Student, who is not satisfied with the outcome of the results, can go for reevaluation and recounting process. If the student is still not satisfied with

reevaluation result, he/she can go for challenging reevaluation.

**2.6 Student Performance and Learning Outcomes**

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

The objectives and learning outcomes for each subject are designed at the time of framing the syllabi and brought to the notice of students and faculty through a printed book and by displaying on the college website. The programme outcomes are also displayed on the notice boards of the each department in the form of charts, so that it guides the teachers and the students at every stage of the Teaching-Learning process.

**2.6.2 How does the institution monitor and ensure the achievement of learning outcomes?**

The learning outcomes are monitored and evaluated by direct and indirect methods for better analysis as given below.

Assessment of learning outcomes by direct and indirect methods.

Methods	Tools
Direct	Exams, Assignments, Projects, Tutorials, labs, Presentations, Project work
Indirect	Employer’s Survey ,Student feedback ,Alumni Survey, Exit Survey Placement Record, Higher Education

**Direct assessments:** Measurement of student learning is done throughout a course using internal tests, university examinations, assignments, lab work, quizzes, demonstrations and project work. These measurements provide a sampling of what student knows and/or can do and provide strong evidence of student learning.

- ❖ For each subject, one assignment is given for each unit.
- ❖ For each semester, two internal tests and one external exam are conducted.
- ❖ For third year students, mini project in second semester is conducted.
- ❖ For final year students, main project, seminar and comprehensive viva are conducted
- ❖ Remedial classes are conducted and mentoring process is implemented.

**Indirect assessments:** Measurement of certain qualities of student learning, like ethical values, perceptions and attitudes are done from a variety of perspectives and values of the very **learning**. Indirect methods provide a valuable supplement to direct methods and are generally a part of a good assessment programme. A meaningful assessment programme would use both direct and indirect assessments.

**2.6.3 How does the institution collect and analyse data on student learning outcomes and use it for overcoming barriers of learning?**

A feedback is obtained on different units in the syllabus of each subject and the opinion of the students is collected with respect to the level of their understanding of each topic in each semester. Over and above this, students’ performance in the internal examination and end semester examination are also considered, for initiation of the corrective measures. Normally certain fixed marks like 70% of the marks in mid or end examination and 75% pass percentage in individual subjects are the bench marks. If this bench mark is not reached it is made up by giving additional assignments, additional tutorial work and arranging make-up classes. Analysis of the internal examinations, and end exams is carried out by respective Board of Studies and forwarded its findings and recommendations to Academic Council for modification of the syllabus.

**2.6.4 Give Programme-wise details of the pass percentage and completion rate of students.**

The following table gives the details of the pass percentage

Name of the Programme	Name of the Course	Academic Year	No. of student appeared	No. of student passed	Pass Percentage	Completion Rate
UG	CE	2010-14	127	100	78.74	99.19
		2009-13	123	81	65.85	97.56
		2008-12	62	51	82.26	94.03
		2007-11	32	27	84.38	90.63
	EEE	2010-14	144	124	86.11	99.29
		2009-13	114	88	77.19	96.83
		2008-12	61	51	83.61	92.42
		2007-11	60	53	88.33	91.80
	ME	2010-14	138	105	76.09	95.65
		2009-13	112	67	59.82	96.15
		2008-12	69	53	76.81	98.57
		2007-11	19	15	78.95	92.05
ECE	2010-14	139	116	83.45	97.84	

		2009-13	124	94	75.81	96.90	
		2008-12	126	111	88.1	97.71	
		2007-11	117	101	86.32	89.68	
	CSE	2010-14	123	101	82.11	99.19	
		2009-13	113	80	70.8	92.44	
		2008-12	132	114	86.36	96.21	
	IT	2007-11	94	90	95.74	97.85	
		2010-14	-	-	-	-	
		2009-13	-	-	-	-	
		2008-12	60	51	85	96.77	
	PG-M.Tech.	Structural Engg.	2007-11	32	28	87.5	96.67
			2010-12	9	8	88.89	88.89
2011-13			14	11	78.57	96.53	
Control Engg.		2012-14	17	11	70.58	96.45	
		2010-12	19	18	94.74	94.74	
Control Systems		2012-14	11	9	81.82	100	
		2010-12	23	21	91.30	95.65	
		2011-13	14	10	71.43	92.86	
Thermal Engg.		2012-14	29	25	86.21	100	
		2010-12	15	15	100	100	
		2011-13	18	13	72.22	94.44	
DS&CE		2012-14	16	15	93.75	100	
		2010-12	18	13	72.22	88.89	
		2011-13	15	15	100	100	
CSE		2012-14	30	21	70.00	100	
	2011-13	16	15	93.75	100		
CSE(CS)	2012-14	42	33	78.57	100		
		2012-14	23	13	56.52	100	

	VLSI	2012-14	16	7	43.75	93.75
MBA		2010-12	59	59	100	100
		2011-13	55	45	81.82	94.83
		2012-14	164	142	86.59	97.62
MCA		2009-12	47	44	93.62	97.87
		2010-13	53	53	100	100
		2011-14	53	50	94.34	98.34

**Any additional information regarding Teaching, Learning and Evaluation, which the institution would like to include.**

- ❖ Pedagogical trainings, faculty and staff development programmes, enhanced interaction with industry, academic support for weak students, teaching assistantships to PG students are among those sanctioned under TEQIP-II. These activities help in strengthening the teaching-learning process.

### CRITERION III

#### RESEARCH, CONSULTANCY AND EXTENSION

#### RESEARCH, CONSULTANCY AND EXTENSION

##### 3.1 Promotion of Research

##### 3.1.1 Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Yes. The College has a research committee. All the senior faculty members possessing Doctorate degree are members of the committee:

Dr. S Sudhakara Reddy, Principal and Chairman

Dr. P Ram Reddy, Director R&D

Dr. D K Nageshwar Rao, Dean ME & CE Depts.

Dr. R Satyanarayan Reddy, Prof. in ME dept.

Dr. D Sudha Rani, Prof. in English dept.

Dr. K Vijay Kumar, Prof. in EEE dept.

Dr. Md. Mastan, Prof. in CSE dept.

Dr. P Raja Shekar, Prof. in CE dept.

Dr. Dr MJC Prasad, Prof in ECE dept

Dr. Konda Reddy, Prof in Chemistry

The committee reviews the research activities in the college and recommends the action plan.

Some of the recommendations of the earlier meetings are:

- ❖ To provide fiscal incentives to faculty who publish their papers in peer-reviewed journals.
- ❖ To provide financial assistance to faculty to present their papers in reputed national and international conferences.
- ❖ To consider study leave on case-to-case basis for those who pursue Ph.D.
- ❖ To provide financial support wherever necessary to fill the gap in spending on research projects.
- ❖ To subscribe as many research journals as possible beyond the mandatory requirements.
- ❖ To identify department-wise thrust areas and invite reputed researchers to promote or support the activity for enhanced levels of achievement.
- ❖ To encourage regular departmental peer-level seminars on the upcoming areas of research to inculcate the research interests in those areas.
- ❖ Measurable impact can be observed in terms of number of publications in peer-reviewed journals and good number of paper presentations in reputed national and international conferences.
- ❖ The sponsored research activity is also in ascending note. In 2014-15, 9 out of 32 proposals submitted to various funding agencies like AICTE, UGC and DST are sanctioned so far.

### 3.1.2 What is the policy of the College to promote research culture in the College?

- ❖ The administration always strives to maintain a right mix of faculty with senior researchers in various disciplines at top level, active researchers at middle level and research enthusiasts at the entry level in each of the departments.
- ❖ To increase the Ph.D scholars in the departments.
- ❖ To encourage faculty pursuing research by extending due administrative and financial support.
- ❖ To offer fiscal incentives to faculty who get involved in advanced research and publications.
- ❖ To keep overheads granted in the research projects at the disposal of the Principal Investigators.
- ❖ Periodically review the progress of sanctioned projects to ensure timely completion
- ❖ To encourage faculty members to attend the short term programmes and conferences relevant to their research fields.
- ❖ To include research contribution of faculty as one of the factors of evaluation for performance based increments.
- ❖ The Research Committee helps in setting up the required facilities to carry out research.

Faculty pursuing Ph.D					
S.no	Dept.	Name of the faculty	Year of registration	Topic	University
1	CE	Gude Ramakrishna	2013	Analysis of beam column joint by finite element method	Osmania University
2	CE	S M Abdul Mannan Hussain	2012	Analysis of lean construction by using last planner system	GITAM
3	CE	Asra Fatima	2012	Collaborative implementation of dispute resolution by using artificial neural networks	GITAM
4	EEE	P.Sankar Babu	2012	Single phase bidirectional PWM converter with micro grid system.	JNTUH, Hyderabad
5	EEE	M.Laxmi Swarupa	2007	Performance evaluation and energy management system for hybrid electric vehicle.	JNTUH, Hyderabad
6	EEE	G.Satheesh	2010	Modeling ,Simulation& Analysis of high voltage insulators using fem.	JNTU, Kakinada

S.no	Dept.	Name of the faculty	Year of registration	Topic	University
7	EEE	J.Sreedhar	2010	Minimization of loss in synchronous buck converter	GITAM
8	ME	V Narasimha Reddy	2009	Hybrid power transmission system through fluid Coupling	JNTUH, Hyderabad
9	ME	A Raveendra	2009	Experimental 71 organizations 71 on welding characteristics of aluminum alloy(5052) and alloy steel(EN24) using TIG welding	JNTUH, Hyderabad
10	ME	Pramod Kumar	2012	Analysis of cnt reinforced polymer composites using FSDT	JNTU, Kakinada
11	ME	K.Srinivasa Rao	2014	Experimental 71 organizations on fiber composites	AU
12	ME	E.Rajesh	2014	Investigation on composite materials	NIT, Raipur
13	ME	Sarvan Bhavan	2014	Friction stir welding	ANU, Guntur
14	ME	K Limbadri	2014	Modeling of drilling tool with mesh less method for the fatigue analysis of composite material for aero space application	IIT, Chennai
15	ME	C Chandra Shekar	2012	Studying the performance of controlled auto ignition engine with bio fuels	JNTUH
16	ECE	P.Ashok Babu	2007	Spline and wavelet based techniques for digital image and signal processing	JNTUH, Hyderabad
17	ECE	T Ramaswamy	2011	4G low complexity data detection	JNTUH, Hyderabad
18	ECE	M Kavi Charan	2010	Efficient delay and Crosstalk estimation model for VLSI Interconnection	NIT, Warangal
19	CSE	R.S.Murali Nath	2007	Performance and security issue to MANET	JNTUH, Hyderabad

S.no	Dept.	Name of the faculty	Year of registration	Topic	University
20	CSE	M.Swami Das	2009	Online analytical processing on graphs	JNTUH, Hyderabad
21	CSE	K.V.Raghavender	2011	DDOS attacks on popular websites in application data using bandwidth	Osmania University
22	CSE	P.V.Ramana Murthy	2010	Time frame data mining	RU
23	CSE	D.Kishore Babu	2014	Information Security	ANU, Guntur
24	CSE	S.Sandhya Rani	2012	Mantes	JNTUH, Hyderabad
25	CSE	S.Sanjeeva Rayudu	2014	Wireless sensor networks	KLU, Vijayawada
26	IT	K Madan Mohan	2012	Market oriented cloud computing	JNTUH, Hyderabad
27	H&S	P Kalyan Kumar	2012	Fluid dynamics	JNTUH, Hyderabad
28	H&S	R Panduranga Rao	2012	Rough sets and its applications	JNTUH, Hyderabad
29	H&S	P Ramyalatha	2014	Algebra – near rings	ANU, Guntur
30	H&S	Y Suresh Kumar	2014	Ecology – applications of differential equations	KLU, Vijayawada
31	H&S	V Pavan Kumari	2014	Statistical applications – data management	SVU, Tirupathi
32	H&S	James	2014	English language education	EFLU
33	H&S	Chaitanya	2013	English language education	Andhra University
34	H&S	K Sharmila Rudraamma	2014	Glass sciences	ANU, Guntur
35	H&S	Md. Parvez Ahmed	2014	Polymer compositions for energy storage devices	KLU, Vijayawada
36	H&S	B Hemachandra Rao	2014	Polymer compositions for energy storage devices	KLU, Vijayawada
37	H&S	T Vijay Kumar	2007	Studies on enhanced ionic transport in NaNO <sub>3</sub> - Sr (NO <sub>3</sub> ) <sub>2</sub> mixed and nano dispersed multi phase solid electrolyte systems	OU, Hyderabad
38	H&S	P Siva Kumar	2013	Electrical and magnetic properties of ferrite nano particles	JNTUA, Ananthapuram

S.no	Dept.	Name of the faculty	Year of registration	Topic	University
39	MBA	D.Mohan Rao	2008	Performance of mutual funds	ANU, Guntur
40	MBA	G.V.Venela	2011	Micro finance impact on weaker section women empowerment	Osmania University
41	MBA	P.Buela Prasanna Kumari	2010	HRD practices in the banking sector	RU
42	MBA	A.Latha	2009	A study on impact of micro finance on self help groups in Ranga Reddy district	RU
43	MBA	M.Balanji Reddy	2013	A study on mergers and acquisitions in India an application of event study methodology	ANU, Guntur

### 3.1.3 List details of prioritized research areas and the areas of expertise available with the College.

The following faculty members are carrying out research in their specialisation and the specialization is listed.

S.No	Name of the Faculty	Dept.	Area of Specialization
1	Dr.P.Rajasekhar	Civil	Geo Technical Engineering
2	Dr.K.V.Ganesh Babu	Civil	Transportation Engineering
3	Dr.M.Kameshwar Rao	Civil	Structural Engineering
4	Dr.C.Srinivas Gupta	Civil	Marine Geology
5	Dr.P.Saritha	Civil	Environmental Science & Engineering
6	Dr.A.Raju	Civil	Remote Sensing & GIS
7	Dr.P.Srilatha	Civil	Environmental Science
8	Dr . R.V.Amarnath	EEE	Power Systems
9	Dr. P.V.Raju	EEE	Power electronics
10	Dr.J.V.B.Subbrahman yam	EEE	Power electronics

S.No	Name of the Faculty	Dept.	Area of Specialization
11	Dr. Sreedhar Reddy	EEE	Control systems & Instrumentation
12	Dr. J. Vijay Kumar	EEE	Power Systems
13	Dr. P.H.Hari Krishna Prasad	EEE	Power electronics
14	Mrs.M.Lakshmi Swarupa	EEE	Control System
15	Mr.P.Sanker Babu	EEE	Power electronics
16	Mr.G.Satheesh	EEE	Power electronics
17	Dr. S Sudhakara Reddy	ME	Design and production engineering
18	Dr. R S Reddy	ME	Heat transfer
19	Dr. K N Murty	ME	Thermal Engineering
20	Dr. D K Nageshwar Rao	ME	Machine Design
21	Dr.M.J.C.Prasad	ECE	Signal Processing
22	Dr.Kesavan Gopal	ECE	VLSI
23	Dr.M.R.K.Murthy	ECE	Control Systems
24	Dr.K.Srihari Rao	ECE	Radar Signal Processing
25	Dr.Giribabu Kande	ECE	Embedded systems
26	Dr.K.Ramesh Babu	ECE	Image Processing
27	Dr. MD Mastan	CSE	Networks
28	Dr. Ch Sunil Kumar	CSE	Data Mining
29	Dr. P Pandari Nath	CSE	Bio Informatics
30	Dr.U Ravi Babu	CSE	Image Processing
31	Dr. Ch.Srinivasa Rao	CSE	Image Processing

S.No	Name of the Faculty	Dept.	Area of Specialization
32	Dr.DVSS Subramanyam	CSE	Software Engineering
33	Dr. S Kondaiah	Chemistry	Analytical Chemistry
34	Dr. K Suresh Babu	Chemistry	Natural Product
35	Dr. V Krishna	Chemistry	Inorganic Chemistry
36	Dr. A Madusudhan	Chemistry	Nano Drug Delivery
37	Dr. T G V Mallikharjuna	Physics	Material Science
38	Dr. Dhanunjana Chary	Physics	Material science and Raman spectroscopy
39	Dr. D Sudha Rani	English	Indian Writing
40	Dr. TVSN Surendhar nath Reddy	English	Indian Writing
41	Dr. K J Sharma	Maths	Sequential decision process
	Dr. K Sharath Babu	Maths	Numerical analysis and CFD

### 3.1.4 What are the proactive mechanisms adopted by the College to facilitate smooth implementation of research schemes/ projects?

#### \* **advancing funds for sanctioned projects**

The college is advancing funds for sanctioned projects to take-off early.

#### \* **providing seed money**

The college is not providing seed money but monetary help is provided on case to case basis.

#### \* **autonomy to the principal investigator/coordinator for utilizing overhead charges**

The Principal Investigator is given freedom to use the overhead charges in his/her project.

#### \* **timely release of grants**

For all the sponsored projects the grants are released in time.

#### \* **timely auditing**

Actively pursues to complete the project in-time providing all support for auditing

#### \* **submission of utilization certificate to the funding authorities**



Submission of utilization certificates are effectively done to the funding authorities.

**3.1.5 How is interdisciplinary research promoted?**

- \* between/among different departments of the College and
- \* collaboration with national/international institutes / industries.

Most of the present-day projects are interdisciplinary and hence faculty members from different fields are considered to form a team and are entrusted the task of implementing it. The institution is trying to promote inter-disciplinary research by

- ❖ Encouraging faculty to work as a team for the sanctioned projects
- ❖ Encouraging faculty to attend the national / inter-national conferences organized by various departments of the college.
- ❖ By inviting experts from outside to the college for utilizing their guidance.
- ❖ Approaching national and state level industries for Collaboration.

**3.1.6 Enumerate the efforts of the College in attracting researchers of eminence to visit the campus and interact with teachers and students?**

- ❖ The college invites researchers from all over the country and outside from time to time providing travel and hospitality to give guest lectures.
- ❖ Every academic year National conferences are conducting in the college and researchers from various fields visit the campus and interact with the teachers and the students through these conferences.
- ❖ National Level Workshops, seminars, etc., are organized and the Resource Persons from leading institutions like IITs, NITs, Universities, R&D organizations etc., address the participants of that event.
- ❖ Encouraging faculty members to visit the industries and interact with the eminent persons related to their research area.

**3.1.7 What percentage of faculty have utilized sabbatical leave for research activities? How has the provision contributed to the research quality and culture of the College?**

Till date no faculty member has requested for sabbatical leave but will be considered positively in coming years.

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

National conferences organized by the college by different departments along with eminent scholar’s participation

S.no	Dept.	Name of the conference	Duration	Eminent Scholar participants
1	CE,EEE,ME, ECE,CSE,IT, MCA,MBA & H&S	National Conference on “Emerging Trends in Science, Technology & Management (NCETSTM 2K14)”	2Days, 8 <sup>th</sup> & 9 <sup>th</sup> August 2014	Dr Shekar , Executive director R&D,BHEL(R&D), Hyderabad
2	CE & ME	National Conference on “Role of Civil & Mechanical Engineer in development of Society” (RCMS 2K13)	2Days, 20 <sup>th</sup> & 21 <sup>st</sup> September 2013	Dr. P Ram Reddy, Prof in ME , former registrar in JNTU, Hyderabad.
3	EEE & ECE	National Conference on “Advances In Communications & Electrical Engineering”- NCACEE 2K13	2Days 6 <sup>th</sup> & 7 <sup>th</sup> September 2013	Dr G K Vishwananth, Prof in CE dept, director Academic and Planning JNTUH, Hyderabad
4	CSE,IT & MCA	Malla Reddy National Conference on “Information System and Knowledge Engineering”- MRNCISKE 2K13	2Days 19 <sup>th</sup> & 20 <sup>th</sup> July 2013	Dr Goverdhan, Prof in CSE Dept., Director of Evaluation, JNTUH- Hyderabad. Mr. Rama Murthy, Vice-President, Infosys, Hyderabad

**3.1.9 Details on the College initiative in transferring/advocating the relative findings of research of the College and elsewhere to the students and the community (lab to land).**

- ❖ Senior faculty members of every department interact and encourage Post graduate students for their contributions in their respective areas and contribution towards research.

- ❖ Encouraging faculty for publishing the research papers in National/International journals with high impact factor.

**3.1.10 Give details on the faculty actively involved in research (Guiding student research, leading research projects, engaged in individual or collaborative research activity etc.**

Details of faculty engaged in individual research activity

Sno	Name of the Faculty	Dept.	Research Project	Funding agency
1	Dr. P Raja Sekhar	CE	Environmental impact on soil and water quality with special reference to pharma industry using remote sensing and geo graphical investigation system	UGC
2	Dr. P Sarita	CE	Degradation of some of the "U.S.E.P.A" listed recalcitrant's using nano size semiconductors	UGC
3	Mr. P Sankar Babu	EEE	Single phase Bi-directional PWM converter for Micro-Grid systems	UGC
4	Mrs. M.Lakshmi Swarupa	EEE	Load flow contingency analysis state estimation and optimal operation	UGC
5	Mr. V Narsimha Reddy	ME	Hybrid power transmission through fluid coupling	UGC
6	Dr. M J C Prasad	ECE	Image & Gesture based single user transportation system	UGC
7	Dr. S Kondaiah	Chemistry	Synthesis characterization of Cu, Co, and Au Moxifloxacin nano metal complexes by eco-friendly method and their biological application	UGC

Sno	Name of the Faculty	Dept.	Research Project	Funding agency
8	Dr. A Madhusudhan	Chemistry	Green synthesis of gold nano particles used in tumor targeted drug delivery	UGC
9	Dr. TGV Mallikharjuna Rao	Physics	Tunable white light luminescence properties of RE ions doped MnAl2O4 hybrid nano particles	UGC

Details of the faculty engaged in guiding Ph.D scholars.

S.no	Name of the Faculty	Dept.	No. of PhD guiding	Research Title	Univer sity	Year of Registration
1	Dr. M Kameshwar Rao	CE	1	Effective utilization of granulated slag as fine aggregate in concrete	KL	2014
2	Dr. J Vijay Kumar	EEE	1	1.Optimal location and stability analysis of Power System using " Phasor Measurement Units (PMU)	KL	2014
3	Dr. R S Reddy	ME	1	Design, Development and Testing of Heat Exchangers	JNTU H	2009
4	Dr.D.K.Nageswara Rao	ME	2	1. Development and characterization of natural fiber Composites	KU	2012, Completed
				2. General solution for stress around holes in piezoelectric laminates	OU	2005
5	Dr. Kesavan Gopal	ECE	3	1.Energy efficiency in Hand Held Device	JNTU HK	2014
				2. Programmable MEMS and Microcontrollers.	Anna Uni.	2014
				3. Efficient VLSI design.	St. Peters Uni.	
6	Dr.Ravi Babu	CSE	5	Image Processing	NU	2014
7	Dr.Md.Mastan	CSE	3	Computer Networking	MSU	2015

S.no	Name of the Faculty	Dept.	No. of PhD guiding	Research Title	Univer sity	Year of Registration
8	Dr. P Gyaneshwar	Mining Eng.	5	1. Hydrological and geochemical studies with emphasis on musri river pollution in Ramanapet Mandal, Nalgonda Dist., Telangana.	OU	2010
				2. Hydrological studies in Satur Mandal of Vijaynagram dist., AP	OU	2010
				3. Hydrogeochemical studies in and around sangam Mandal, Warangal Dist., Telangana	OU	2010
				4. Impact of Mining and Polishing activity on quality of ground water in and around Tandur, R.R Dist, Telangana.	OU	2011
				5. With geochemical surveyor of peninsular granitic roads around Devarkonda, Telangana.	OU	2011
10	Dr. K J Sharma	Maths	3	1. Studies on Rough Sets and applications	JNTU H	2012
				2. Super magic graphs and applications		2010
				3. performance optimization in cascaded systems	RU	2010
11	Dr. D Sudha Rani	Englis h	1	The English spoken by MBA & MCA students : A study of Stress and Rhythm	JNTU H	2011
12	Dr. K Suresh	Chemi stry	5	1. Development and validation of new analytical methods for determination of assay and related substances of active ingredients.	KL	2012
				2. Phytochemical investigation on caralluma Lasaintha and development new synthetic methodology	JNTU A	2012

				3. Development and validation of new analytical methods for determination of assay and related substances of active ingredients in the pharmaceutical dosage forms	KL	2012
				4. Preparation, characterisation and biological studies of Biscodyl Drug metal complexes	KL	2013
				5. Phytochemical investigation on caralluma Umbellate and development new synthetic methodology	KL	2013

### 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 for last four years.

About 5% of the total budget is earmarked for research. Under the audited income expenditure statement of the college, top priority is being given for research field. The different heads of expenditure occur in the income expenditure statement are:

- i. Journal papers and periodicals.
- ii. Meetings and seminars.
- iii. Printing and stationery.
- iv. Salaries.
- v. Travelling Expenses.

Details of yearly budget utilized and budget utilization for research in different years amount

S.No	Financial Year	Budget Utilised in Rs.	Budget Utilisation for Research in Rs.	Percentage of Budget utilised
1	2010-11	8,84,59,342/-	24,02,914/-	2.71
2	2011-12	11,29,23,745/-	33,37,554/-	3.00
3	2012-13	17,74,13,158/-	72,43,786/-	4.10
4	2013-14	18,67,21,050/-	83,69,700/-	4.50

**3.2.2 What are the financial provisions made in the College budget for supporting student research projects?**

- ❖ Financial support is provided to procure hardware components and other amenities for student projects on case-to-case basis.
- ❖ The college has well equipped laboratories, which are used by the students for their research activities.
- ❖ The college celebrates every year Engineers’ Day “VISHESH”, a inter collegiate competition with project and model exhibition and prizes are awarded for the best projects.

**3.2.3 Is there a provision in the institution to provide seed money to faculty for research? If so, what percentage of the faculty has received seed money in the last four years?**

No provision for seed money but monetary benefit is provided to faculty on case-to-case basis to initiate research ideas and apply for procurement of equipment / software for research. Approximately 2% of the faculty utilized this opportunity.

**3.2.4 Are there any special efforts made by the College to encourage faculty to file for patents? If so, provide details of patents filed and enumerate the sanctioned patents.**

Yes, the college is promoting the faculty members to file patents for their research works. The management looks on both the growth of institution and as well as the individuals working in this institution. No faculty member has availed this opportunity till now.

**3.2.5 Provide the following details of ongoing research projects:**

	Year wise	Number	Name of the project	Name of the funding agency /Industry	Total Grant received in Lakhs of Rs.
A. College Funded					
Minor Projects	Nil	Nil	Nil	Nil	Nil
Major Projects	Nil	Nil	Nil	Nil	Nil
Along with industry	Nil	Nil	Nil	Nil	Nil
B. Other agencies -National & International specify					
Minor Projects	2014-15	09	Environmental impact on soil and water quality with special reference to pharma industry using remote sensing and geo	UGC	2.4

			graphical investigation system		
			Degradation of some of the "U.S.E.P.A" listed recalcitrant's using nano size semiconductors	UGC	2.5
			Single phase Bi-directional PWM converter for Micro-Grid systems	UGC	2.6
			Load flow contingency analysis state estimation and optimal operation	UGC	1.85
			Hybrid power transmission through fluid couplings	UGC	2.6
			Image & Gesture based single user transportation system	UGC	0.97
			Synthesis characterization of Cu, Co, and Au Moxifloxacin nano metal complexes by eco-friendly method and their biological application	UGC	3.1
			Green synthesis of gold nano particles used in tumor targeted drug delivery	UGC	2.59
			Tunable white light luminescence properties of RE ions doped MnAl2O4 hybrid nano particles	UGC	1.5
<b>Total</b>					<b>20.65</b>
Major Projects					
C. Industry Sponsored					

**3.2.6 How many departments of the College have been recognized for their research activities by national / international agencies (UGC-SAP, CAS, DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough due to such recognition.**

- ❖ The college is recognized under 2(f) and 12(B) under UGC act 1956 and therefore all the departments are eligible for research funding.
- ❖ Funds have been received from UGC for carrying out the research activities. In addition, funds also are sanctioned by AICTE for conducting seminars.
- ❖ Management is encouraging to apply for more research projects and some major research projects applied to UGC and DST are in pipeline for approval.

**3.2.7 List details of completed research projects undertaken by the College faculty in the last four years and mention the details of grants received for such projects (funded by Industry/ National/International agencies).**

Nine Research projects are undertaken by college in the last four years, granted by UGC, which are under progress. The research projects granted will be completed by 2016.

**3.3 Research Facilities**

**3.3.1 What efforts are made by the College to keep pace with the infrastructure requirements to facilitate Research? How and what strategies are evolved to meet the needs of researchers?**

Suitable Infrastructural facilities are provided to the faculty on case-to-case basis to facilitate research. Some of the facilities include:

- ❖ Library and Digital library with a good collection of online and print journals
- ❖ Free transport facility beyond the regular working hours.
- ❖ Membership in DELNET, J-Gate etc.
- ❖ Extended hours of library.
- ❖ Faculty is encouraged to apply for research grants from various funding agencies for major and minor research projects from all the departments and ensures their timely submissions.
- ❖ The institution adopts a two-pronged strategy for encouraging research among its faculty by developing the lab equipment, meeting expenditure on consumables and by utilizing resources from the institution and other funding agencies, so that the faculty can utilize for their research activities as well as students can also use it for their project related works
- ❖ Follow up on the status of proposals submitted for funding

**3.3.2 Does the College have an information resource centre to cater to the needs of researchers? If yes, provide details on the facility.**

- ❖ A good collection of online and print journals are made available in the central library
- ❖ INFLIBNET initiated by UGC is also made available for faculty.
- ❖ The digital library is accessible to the faculty through intranet
- ❖ Latest technical Journals and magazines are made available in library and reference section.
- ❖ Print Books, back volumes and UG & PG project reports.
- ❖ Non-Print Audio/Video (Cassettes) CDs / DVD ROMS
- ❖ Electronic material : e-books, e-Journals
- ❖ Apart from this, faculty is provided with internet facility and also the campus is Wi-Fi enabled.

**3.3.3 Does the College provide residential facilities (with computer and internet facilities) for research scholars and faculty?**

The college does not provide residential facility presently. However faculty who wish to stay in the college hostels can use the Wi-Fi facility in both the hostels (boys and girls).

**3.3.4 Does the College have a specialized research centre/ workstation to address challenges of research programmes? If yes, give details.**

Yes, the college has an R&D committee to address the challenges of research programmes, headed by Director R&D, Heads of all the departments and senior professors are members in the committee. Research review meetings are conducted regularly by this committee and during the meeting various research proposals prepared by the faculty will be reviewed and suggestions will be given for its improvement. Committee also takes care of identifying the potential topics for research and guides the faculty in carrying out the research.

The college provides good computational and audio/video facilities.

**3.3.5 Does the College have research facilities (centre, etc.) of regional, national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.**

The college is recognized by UGC under autonomous status and therefore all the departments are eligible for research funding. Suitable Infrastructural facilities are available to cater the research activities for our own faculty but college has no research facilities of national and international recognition.

### 3.4 Research Publications and Awards

#### 3.4.1 Highlight the major research achievements of the College through the following:

\* major papers presented in regional, national and international conferences  
Details of papers published in National and International journals by different departments in the year 2010-11

S. No.	Name of the Faculty	Dept.	Title of the paper	Name of the Journal	National/International	Volume / Issue	Page No.
1	Dr P. Raja Sekhar, Dr. E.Sai Baba Reddy, Dr.M.Anji Reddy	Civil	Environmental impacts of sugar industry on water quality	International Journal of earth science and engineering.	International	III/0972-5904	121-129
2	P.Sri Latha reddy and Dr.M.Anji Reddy	Civil	Design and development of environmental information system using geometrics : a case study from Prakasam district	International journal of environmental and development	international	VOL VII, NO.1	15-18
3	Kavita and Dr.M.Anji Reddy	Civil	Development of village information system using Rs and GIS-a case study from Prakasam district	International journal of environmental and development	International	VOL VII, NO.1	15-21
4	Dr P. Raja Sekhar	Civil	Environmental impacts on soil quality with special reference to phrama industry using RS and GIS	International journal of earth science and engineering	International	VOL III 0974-5904	389-397
5	Dr.EV Subba Reddy	Chemistry	Chemical resistance and tensile properties of glass & bamboo fibers reinforced poly ester hybrid composites.	International journal reinforced plastics and composites	International	vol: 29, No-14	2119 - 2123
6		Chemistry	Chemical resistance and flexural properties of glass and bamboo fibers reinforced	International journal of material science	International	vol: 5,6	785-790

			unsaturated poly ester hybrid composites.				
7		Chemistry	Chemical resistance, compressive properties and impact strength of glass and bamboo fibers reinforced polyester	Institution of engineers (i) journal	National	Vol-91	8-May
8	Dr.D.Sudha Ran	H&M	Middle class Indian woman: a potential harbinger of cultural change	ICFAI university -press gender digital divide	International		
9			"Modern Indian drama: a post colonial event",	Impression on line journal of English studies	International	VOL-II, Issue-II	
10			International e-journal of mathematics and engineering	Numerical study of one-dimensional contact problem	International	Vol. 2	104-114
11		H&M	IJRRAS 5 (2)	Numerical study of convection-diffusion problem in two-dimensional space	International	Vol. 5	155-161
13		Chemistry	Antimicrobial properties of plants -2	Int. j. chem. Sci	International	7(4)	2921 - 2926
14		Chemistry	Maximization of production of protein hydrolysates by using immobilized papain	Int. j. chem. Sci	International	7(4)	2624 - 2632
15	Dr. K. Sharath babu	Chemistry	Optimisation of xylems production using xylanase	Int. j. chem. Sci	International	8(2)	909-913
18		Chemistry	Production of biogas and alcohol from aloe barbadensis miller	Asian j of chem.	International	23	1863 - 1864
19		Chemistry	Processing of Aloe Barbadensis Miller	Asian J of Chem.	International	23(6)	2813 - 2814
20		Chemistry	Extraction and preliminary analysis of alone obtained from Aloes Barbadensis miller	Asian J of Chem.	International	23(6)	2421 - 2423

21	B.Prasad, Shanthi Madhan Mohan	CSE	Enhanced Efficient K-Means Clustering Algorithm	IJCSNS ISSN : 1738-7906	Internati onal	10/10	15- 22
22	B.Prasad Dr.CHGVN. Prasad,P.App ala Naidu	CSE	Clustering and Content Based Retrieval for Image Database	IJCSNS ISSN : 1738-7906	Internati onal	9/9	8-19

Details of papers published in National and International conferences by different departments in the year 2010-11

S. no	Name of the faculty	Dept .	Title of the paper	Name of the conference	National/Internati onal	Volu me/Is sue	Page No.
1	Kavita and Dr.M.Anji Reddy	Civil	Cadastral level information system using geospatial technologies-a case study from prakasam district	International conference on environmental management	Internati onal	Vol I	15- 19
2	Dr.B.Sriniva sa	CSE	A Tamper Detection Scheme for Network Security	National Conference on Information and Network Management NCINM-451	National		12

Details of papers published in National and International journals by different departments in the year 2011-12

S. No	Name of the Faculty	Dept .	Title of the paper	Name of the Journal	National/Internati onal	Volu me/ Issue	Page No.
1	D.Venkata Ramana	EEE	Energy conservation in air compressors by incorporating variable frequency drive	Journal	Internati onal		

2	Dr.N.V. Ramana	EEE	State of art in optimal power flow solution methodologies	Journal	National	Vol.3 0.NO. 2/ISS N:199 2- 8645	
3	Mr.A. Raveendra	ME	Welding characteristics of Aluminum alloy (6082) and Stainless steel (304) elements, using pulsed and non pulsed current GTAW	International journal of Mechanical Engineering Applications Research	Internati onal	02/02	50- 59
4	Mr.RS Uma maheswar Rao	ME	Development and thermal characterization of chitin particle reinforced phenol formaldehyde composite	Institution of Engineers (India)-Journal	National	Vol- 92,	11- Aug
5	Dr. I. Satyanarayana	ME	Energy analysis and parametric study of reheat regenerative ultra supercritical ranking cycle with feed water heaters	International journal of Mechanical and Materials Engineering	Internati onal	Vol- 6, No-2,	250- 259
6	N.Srinivasa Rao	ECE	Study of electromagnetic radiation and specific absorption rate of mobile phones with fractional human head models via greens function	International Journal of Electrical, Electronics & Computing Technology	Internati onal journal	1\3	43- 52
7	Dr. M.J.C.Prasad	ECE	Implementation of QUAD PCM Codec for Noise Elimination using higher order filters	International Journal of Electrical, Electronics & Computing Technology	Internati onal journal	2\4	87- 91
8	Dr. M.J.C.Prasad	ECE	Efficient Throughput Analysis of non- cooperative routing protocols in MANETs	International Journal of Electrical, Electronics & Computing Technology	Internati onal	2\4	73- 79

9	K.Vanisree	ECE	Efficient Throughput Analysis of non-cooperative routing protocols in MANETs	International Journal of Electrical, Electronics & Computing Technology	International	2\4	73-79
10	K Sudha Reddy	IT	Detecting SQL Injections from web applications	International Journal Of Engineering Science & Advanced Technology [IJESAT]	International	2/3	664-671
11	Dr.D.Sudha Ran	H&M	Teaching Post Colonial Drama; a Cultural Approach	Sreenidhi's Journal of English Studies	National	Vol-Issue-1	92-101
12	Dr T.V.S.N Reddy		Portrayal of Chorus in Mahesh Dittany's Final Solutions	Thematics:A Peer-Reviewed International Research Journal	International	Vol.1, Issue 1	82-86.
13	Dr. K. Sharath babu	H&M	International Journal of Applied Mathematics and Computation	Uniformly convergent scheme for Convection-Diffusion problem	International	vol-1, Issue-2	290-299
14			International Referred Journal of Engineering and Science	Artificial-Diffusion Convection problem in one-dimension	International	VOL-1	
15	Dr. N.Y. S Murthy	Chemistry	Extraction and Purification of Bromelain	Asian Journal of Chemistry	International	24(4)	1435 - 1438
16	Dr. N.Y. S Murthy	Chemistry	Optimization of the activity of Bromelain	Asian Journal of Chemistry	International	24(4)	1429 - 1431
17	Dr.Geetha Rani D.P	Chemistry	Evaluation of Surface Acetylated and Internally Quaternized Poly(propyleneimine	Nano Biomaterials,	National	93	289-298

			) dendrimer				
18	Dr.K. Suresh Babu	Chemistry	Synthesis and anti diabetic activity of 2,4- disubstituted furan derivatives	Journal of Derpharma Chemical	National	4(6)	2178 - 2186
17	Dr.S.Kondaiah	Chemistry	Synthesis, Structural Characterization and Anti-bacterial Activity of Some Novel Schiff base Legends and its Vanadium (IV) Metal Complexes	Oriental journal of Chemistry.	International	Vol. 28, No. (4):	1673 - 1683
18	V Sathish Kumar	IT	Comparative Analysis Of Endaira And E-Endaira Secure Source Routing Protocol For MANETS	International Journal Of Engineering Science & Advanced Technology [IJESAT]	International	2/3	479-485
19	V Sathish Kumar	IT	Detecting SQL Injections from web applications	International Journal Of Engineering Science & Advanced Technology [IJESAT]	International	2/3	664-671

Details of papers published in National and International conferences by different departments in the year 2011-12

S. No	Name of the Faculty	Dept.	Title of the paper	Name of the conference	National/ International
1	S.Ramesh Babu	EEE	Optimal consensus for multi-agent systems	International conference	International



2	Dr.R.V.Amarnath	EEE	Design & simulation of hybrid solar-wind electric power system interface to grid system	International conference	International
3	Dr.R.V.Amarnath	EEE	Focus on optimal feeder drive off for radial distribution system	National conference	National
4	Dr.R.V.Amarnath	EEE	UPQC for an unbalanced & distorted load conditions using SRF control method	International conference	International
5	T.Suman	EEE	Grid connected PV-PEMFC hybrid system using power management control modes	International conference	International
6	G.Suguna	EEE	Non-linear function based distance relaying in power system protection	International conference	International
7	A.N.Sarma	EEE	Neural & Neuron-Fuzzy controllers for UPS inverter application	International conference	International
8	A.N.Sarma	EEE	Power quality & custom power improvement by open UPQC	International conference	International
9	D.Venkata Ramana	EEE	Modeling of UPFC based on FLC to sustain the stability of power system	National conference	National
10	A.Mahesh	EEE	Outages of EHT transmission lines & computation of availability	National conference	National
11	G.Sree Lakshmi	ECE	A Review of low power and high performance multipliers and their hardware implementations	International conference on Advancements in engineering and management	International

12	B.Srinivas Rao	ECE	Simulation and implementation of a feed forward neural network on FPGA	International conference on Advancements in engineering and management	International
13	M.Ravikanth	CSE	Histogram Based Bipartite Image Texture Selection	National Conference on Emerging & Innovative Trends in Computer Science NCEITCS-2012 Department of CSE	National
14	P.Chandra shekar Reddy	CSE	Clustering Analysis & Algorithms	National Conference on Emerging & Innovative Trends in Computer Science NCEITCS-2012 Department of CSE	National
15	T.Rahul	CSE	Data Integration in Multiple Databases with Record Linkage	National Conference on Social Networking Department of Information Technology	National
16	P.Appala Naidu	CSE	Improve Query Caching for Dynamic Content Websites	National Conference on "Emerging Technologies & Tools in Mobile Phone Applications"	National
17	M.Ravikanth	CSE	Best Edge Cut Concept Extraction with Data Mining Technique	International Conference on Advancements in Engineering & Management	International
18	M.Ahalya Rani	CSE	Driver's Fatigue Detection System Based on Mouth and Yawn Analysis	International Conference Systemic, Cybernetics and Informatics Pentagram Research Center	International
19	Shanthi Madhan Mohan	CSE	Modeling of Snow Flake Crystals Using Packards Cellular Automata	International Conference Systemic, Cybernetics and Informatics Pentagram Research Center	International
20	P.A.Himakiran K.Indira M.Saroja	CSE	Applying Kerckoffs Security Principle on Robust Perceptual Hashing	International Conference Systemic, Cybernetics and Informatics Pentagram Research	International

	V Sathish Kumar	IT	Drives Fatigue Detection System Based on Mouth and yawn analysis	Center ICSCI – 2012	International
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Details of papers published in National and International Journals by different departments in the year 2012-13

S. No	Name of the Faculty	Dept .	Title of the paper	Name of the conference /Journal	National/ International	Volume /Issue	Page No.
1	Venkata Ganesh Babu K.,Takamasa Iryo	Civil	Effect of variable message signs on driver speed behavior on a section of expressway under adverse fog conditions –a driving simulator approach	International journal	International		10-24
2	Dr P. Raja Sekhar	Civil	Environmental impacts on soil and water quality due to sugar and phrama industry	International journal of earth science and engineering	International	0974-5904 VOL II, ISSUE IV	389-397
3	M.Lakshmi Swarupa	EEE	Performance of energy storage systems for parallel hybrid electric vehicles	Journal	International	Vol.1 no.11 ISSN/278-067x	49-51
4	Mr. V.Narasimha Reddy	ME	Design and mathematical modeling of fluid coupling for efficient transmission system	International journal of advanced trends in computer science and engineering.	International	Vol-2, No.1, Special issue of ICACSE 2013	340-345
5	Mr.A.Raveendra	ME	Experimental Study on the effect of cutting parameters on surface finish obtained in CNC turning operation	International journal of innovative research in science, engineering and technology	International	Vol-2, issue 9	454-455

6	Mr.A.Raveendra	ME	Experimental study on pulsed and non-pulsed current TIG welding of Aluminum sheet (6082)	International journal of engineering & science research	International	Vol-3, Issue-6	410-418
7	Mr.A.Raveendra	ME	Experimental study on pulsed and non-current TIG welding of Stainless steel sheet (SS304)	International journal of innovative research in science, engineering and technology	International	Vol-2, Issue -6	233-234
8	Mr.A.Raveendra	ME	Effect of pulsed current on welding characteristics of EN19 Alloy steel Using Gas Tungsten arc welding	International journal of innovative research in science, engineering and technology	International	Vol-2, Issue-5	135-136
9	Ms.V.V.Prathibha Bharathi	ME	Experimental Investigation on the effect of air swirl on diesel engine performance and emissions characteristics of diesel engine fueled with Karanja Biodiesel	International journal of engineering research and development	International	Vol-2, Issue 8	13-Aug
10	Ms.V.V.Prathibha Bharathi	ME	Investigation on the effect of EGR with Karanja biodiesel and grooved piston with knurling in an internal combustion engine	International organization of science research journal of engineering	International	vol-2, Issue-9	25-31
11	Ms.V V Prathibha Bharathi	ME	Experimental Investigation on the effect of exhaust gas recirculation with Karanja Bio-Diesel in a diesel engine.	International journal of materials manufacturing and optimization	International	Vol-2,	47-53
12	Mekala Ramarao	ECE	Implementation of a Low Power Low Complexity VLSI Architecture for DSS Signal Transmission and	IOSR Journal of VLSI and Signal Processing	International journal	1\2	21-29

			Reception				
13	G.Sree Lakshmi	ECE	Various Design Algorithms And Hard Ware Approaches To Decimal Floating Point Multipliers: A Comparative Analysis	IOSR Journal of VLSI and Signal Processing	International journal	1\2	791-795
14	K. S Indrani	ECE	Low- Swing On Chip techniques: Effectiveness and robustness	IEEE transactions on VLSI Systems	International journal	8\3	264-268
15	Indra Kumar	ECE	Low- Swing On Chip techniques: Effectiveness and robustness	IEEE transactions on VLSI Systems	International journal	8\3	264-268
16	V.Srinivas	ECE	Low- Swing On Chip techniques: Effectiveness and robustness	IEEE transactions on VLSI Systems	International journal	8\3	264-268
17	G.Bharathi Subhashini	ECE	Soft-Error Tolerance and Mitigation in Asynchronous Burst-Mode Circuits	IEEE Transactions On Very Large Scale Integration (VLSI) Systems	International journal	17\7	869-880
18	M. Asha Jyothi	ECE	Soft-Error Tolerance and Mitigation in Asynchronous Burst-Mode Circuits	IEEE Transactions On Very Large Scale Integration (VLSI) Systems	International journal	17\7	869-880
19	G. Kumara Swamy	ECE	Soft-Error Tolerance and Mitigation in Asynchronous Burst-Mode Circuits	IEEE Transactions On Very Large Scale Integration (VLSI) Systems	International journal	17\7	869-880
20	K Madan Mohan	IT	A review on :Approach to cloud computing	International Journal Of Engineering Science & Advanced Technology [IJESAT]	International	3/1	27-32

21	Mr. K V Raghavendar rao	CSE	User Mobile Service Local Proof updating system for location based services.	IJCSEE	International	4/4	36-41
22	M.Ravikanth	CSE	Efficient Record Linkage Using Rapid Miner Tool	International Journal of advanced scientific and technical research ISSN 2249-9954	International	4/2	582-588
23	Shirisha Tallapally	CSE	Weakness of S-3 Pake Protocol	GESJ: Computer Science and Telecommunications ISSN 1512-1232	International	34/2	54-63
24	Shirisha Tallapally	CSE	Security Enhancement on Simple Three Party Pake Protocol	Information Technology and Control ISSN 1392-124X	International	41/1	15-22
25	D.Chandra Sekhar Reddy Shanthi Madhan Mohan A.Sravanthi T.Rahul	CSE	Improve Quality of Service In Self-Organizing Networks based on Multicast Intelligent Routing Protocols	International Journal of Engineering Science & Advanced Technology ISSN : 2250-3676	International	2/3	679-686
26	P.Chandra Shekar Reddy	CSE	Analysis of Clustering Algorithms	International Journal of Emerging trends in Engineering and Development ISSN 2249-6149	International	4/2	786-792
27	S.Ajay Kumar D.Chandra Sekhar Reddy Shanthi Madhan Mohan V.Satish Kumar	CSE	Comparative Analysis of Endaira and E-Endaira Secure Source Routing Protocol for MANETS	International Journal of Engineering Science & Advanced Technology 28ISSN : 2250-3676 IJESAT	International	2/3	479-485
28	S.Ajay Kumar Shanthi Madhan Mohan D.Chandra Sekhar Reddy S.D.V.Prasad	CSE	Analysis of various Urban Growth Models Based on Cellular Automata	International Journal of Engineering Science & Advanced Technology	International	2/3	453-460

				ISSN : 2250-3676 IJESAT			
29	A.Indira A.Sravanthi K.Jayasree Devi K.Sudha Reddy V.Satish Kumar	CSE	Detecting SQL Injections from Web Applications	International Journal of Engineering Science & Advanced Technology ISSN : 2250-3676 IJESAT	Internati onal	2/3	664- 671

Details of papers published in National and International conferences by different departments in the year 2012-13

S. No	Name of the Faculty	Dept.	Title of the paper	Name of the conference	National/ Internati onal	Volum e/Issue	Page No.
1	M.lakshmi swarupa	EEE	Design&Simulation of battery charger for parallel hybrid Electric Vehicle	International conference	Internati onal	ISBN- 978- 93- 82208- 00-6	
2	M.lakshmi swarupa	EEE	PMSM Electric Drive System Simulation for Parallel hybrid Electric Vehicle	International conference	Internati onal	ISBN- 978- 93- 81693- 68-1	
3	M.lakshmi swarupa	EEE	Power synchronization control to interconnect two very weak AC systems by VSC- HVDC links	International conference	Internati onal		
4	M.lakshmi swarupa	EEE	Measurement of real time drive cycle for Indian roads & system level modeling for PHEV using MATLAB	International conference	Internati onal	Vol.44 ,NO.1/ ISSN 2051- 3240	

5	M.lakshmi swarupa	EEE	Vector Control Scheme for Induction Motor With different Controllers for Neglecting the End Effects in HEV Applications.	International conference	Internati onal	ISBN- 978- 93- 81693- 69-8	
6	J.Amarnath	EEE	Hybrid PWM Algorithm for Induction motor Drive With Reduced Computational burden	International conference	Internati onal	ISBN- 987- 93813 61-18- 9	
7	D.Ramesh	EEE	Harmonic & reactive power compensation in a grid connected PV system with source side control technique	International conference	Internati onal	ISBN-	
8	G.Suguna	EEE	A new approach for PID controller design based closed loop model matching & model reduction	International conference	Internati onal		
9	M.Vijayashanthi	EEE	Comparative study on dynamic analysis of load frequency control in a single area power system under PI & Fuzzy logic controllers	International conference	Internati onal		
10	Dr.R.V.Amarnat h	EEE	Placement of shunt FACTS devices for maximum power transfer capability in a series compensated LT line	International conference	Internati onal		
11	J.Bhavani	EEE	Direct torque control of induction motor using SVPWM technique	International conference	Internati onal	Vol.3. No.1/I SSN- 2049- 8258	

12	Mr. V.Narasimha Reddy	ME	Performance analysis of a centrifugal pump impeller using CFD	2nd International Conference on advancements in Engineering and management	International Conference	RITS ICAE M-2013	427-432
13	Mr.A.Raveendra	ME	Comparative study on welding characteristics of EN8 & EN31 alloy steel elements, using Gas tungsten arc welding	2nd International Conference on advancements in Engineering and management	International Conference	RITS ICAE M-2013	280-283
14	Mr.A.Raveendra	ME	Characteristics of force feed on stability in various turning process	2nd International Conference on advancements in Engineering and management	International Conference	RITS ICAE M-2013	393-396
15	G.Sree Lakshmi	ECE	A High Speed Low Power Multiplier – Accumulator Architecture Using Higher Radix Modified Booth Algorithm	2 <sup>nd</sup> World Conference On Applied Sciences, Engineering And Technology	International conference		
16	K.V.Raghavender	CSE	Survey on Application Layer Flooding DDOS Attacks and Defense	National Conference on Emerging Trends of Computational Technologies	National		
17	M.Swamydas	CSE	The Prototype Model of OLAP for Student Data Warehouse	International Conference on Advancements in Engineering and Management ICAEM-2013	Inter National		866
18	K.V.Raghavender	CSE	Web Application DDoS Attack Detection Systems	International Conference at GRIET	Inter National		102

19	G.V.Venela	MBA	Women: A Study on SHGs in R.R.Dist Empowerment through Microfinance	Conference	National		97881 78002 996	
20	A.Latha	MBA	Women: A Study on SHGs in R.R.Dist Empowerment through Microfinance	Conference	National		97881 78002 996	
21	G.V.Venela	MBA	A Study on Women Entrepreneur, R.R.Dist., A.P.India	Conference	National		97881 92278 391	193
22	A.Latha	MBA	A Study on Women Entrepreneur, R.R.Dist., A.P.India	Conference	National		97881 92278 391	193
23	A.Latha	MBA	Financial Inclusion	Conference	National			
24	G.V.Venela	MBA	Business Process Re-Engineering	Conference	National			
25	V.Venu Kumar	MBA	Managing customer relationship through mobile CRM in organised retail outlet	Conference	National		97893 50623 305	102

Details of papers published in National and International Journals by different departments in the year 2013-14

S. No	Name of the Faculty	Dept.	Title of the paper	Name of the Journal	National/ International	Volume/Issue	Page No.
1	K.Jaya Sree, M.B.Bharathi	Civil	Temporal analysis of water quality evaluation using fuzzy logic and ideal point analysis	International journal of science and research	International	2319-7064 VOL II, ISSUE IV	23-28

2	K.Jaya Sree, A.Srilatha, M.B.Bharathi	Civil	Application of fuzzy logic in urban planning for tia	International journal of engineering research and technology	International	2278-0181 VOL II, ISSUE III	187-192
3	K.Jaya Sree, A.Srilatha	Civil	Feasibility analysis for planning of parking markets in commercial areas	International journal of engineering research and technology	International	2278-0181 VOL II, ISSUE II	120-125
4	Dr.M.Sunandan A Reddy, K.LakshMikanta Reddy	Civil	Image processing and dem of spatial information technology in landslide vulnerable mapping	International journal of electronics communications and computer engineering	International	2249-071X VOL IV, ISSUE VI	99-104
5	K.M.Laxman Rao, K.Kaya sree	Civil	Spatial planning of hierarchical road network using GIS based SDSS and k-means clustering technique	National journal of Indian highways	National	0376-7256	75-81
6	Dr.M.Krishna Mohan	Civil	Hydrological simulation of a reinforced minor irrigation tank	International journal	International	2278-0181 VOL II, ISSUE IV	90-93
7	P.Sankar Babu	EEE	A New Fuzzy Impulsive Control of Chaotic Systems Based On T-S Fuzzy Model	Journal	International	Vol:3, NO.1/I SSN 2278-3091	447-450
8	T.Sanjeeva Rao	EEE	Mitigation Of Total Harmonics Distortion By Using 84 Pulse VSC Configurations	Journal	International	Vol:3, NO.1/I SSN 2249-8958	168-170
9	J.Sreedhar	EEE	Design Of DC-DC Buck -Converter for PV Applications	Journal	International	Vol:4, NO.4/I SSN 2231-5184	86-88

10	J.Sreedhar	EEE	Analysis Of PV System Application with Boost Converter	Journal	International	Vol:4, NO.3/I SSN 2231-5184	89-92
11	Mr. V.Narasimha Reddy	ME	Design optimization and CFD analysis of cyclone separator	National conference on Role of civil and mechanical engineer in development of society.	National	RCMS-2K13	108-112
12	Mr.A.Raveendra	ME	Influence of welding parameters on weld characteristics of 5052 aluminum alloy sheet using TIG welding	International journal of application or innovative in engineering & management.	International	Vol-3, Issue-3	186-190
14	Mr.A.Raveendra	ME ME	Effect of welding parameters on 5052 aluminum alloy elements using TIG welding	International journal of innovative research in science, engineering and technology	International	Vol-3, Issue-3	1030-2- 10309
15	Mr.A.Raveendra	ME	Effect of pulsed current on welding characteristics of EN24 alloy steel using gas Tungsten arc welding	International journal of advances in science and technology	International	Vol-8, No.1	28-37
16	Mr.V Siva Rama Krishna	ME	Advanced Brake Alert system	International journal of innovative research in science, engineering and technology	International	Vol-2, issue 12	7844- 7850
17	Mr.A.Raveendra	ME	Effect of Processing parameters on Surface Finish of the components processed by CNC	International journal of mechanical engineering applications	International	Vol-04, Issue 01	224-228

			turning machine	research			
18	Mr.P.Pramod kumar	ME	Buckling Analysis of carbon nanotube reinforced polymer composite plates	International journal of research in mechanical engineering and technology	International journal	vol-3, issue - 2	51-54
19	B.Srinivas	ECE	Implementation Of High Reliable Fine Grain Fault Tolerance Redundant Technique For FPGA	International Journal Of Soft Computing And Engineering (IJSCE)	International journal	3\5	129-132
20	Dr. M.J.C.Prasad	ECE	Implementation Of High Reliable Fine Grain Fault Tolerance Redundant Technique For FPGA	International Journal Of Soft Computing And Engineering (IJSCE)	International journal	3\5	129-132
21	P.S.Indrani	ECE	Implementation Of Concurrent Online MBIST For RFID Memories Using March SS Algorithm	International Journal Of innovative technology and exploring engineering (IJITEE)	International journal	3\6	88-92
22	Dr.M.J.C .Prasad	ECE	Implementation Of Concurrent Online MBIST For RFID Memories Using March SS Algorithm	International Journal Of innovative technology and exploring engineering (IJITEE)	International journal	3\6	88-92
23	C.Silpa	ECE	A high speed FIR filter architecture based on higher radix algorithm	International Journal Of Electronics Communication and computer engineering	International journal	4\5	1549 - 1555

24	Dr. M.J.C.Prasad	ECE	A high speed FIR filter architecture based on higher radix algorithm	International Journal Of Electronics Communication and computer engineering	International journal	4\5	1549 - 1555
25	Dr.M.J.C.Prasad	ECE	A novel RISC processor with crypto specific instruction set	International Journal Of Soft Computing And Engineering (IJSCE)	International journal	3\5	124-128
26	Dr Dr. M.J.C.Prasad	ECE	A novel RISC processor with crypto specific instruction set	International Journal Of Soft Computing And Engineering (IJSCE)	International journal	3\5	124-128
27	B.Srinivas	ECE	Optimal implementation of UART – SPI Interface in system on chip	International Journal Of Engineering Research and application	International journal	3\6	479-483
28	Dr. M.J.C.Prasad	ECE	Optimal implementation of UART – SPI Interface in system on chip	International Journal Of Engineering Research and application	International journal	3\6	479-483
29	G. Sree Lakshmi	ECE	Design and implementation of multiplier using Kcm and Vedic Mathematics by using reversible adder	International Journal Of modern Engineering Research	International journal	3\5	3230 - 3241
30	Dr. M.J.C.Prasad	ECE	Design and implementation of multiplier using Kcm and Vedic Mathematics by using reversible adder	International Journal Of modern Engineering Research	International journal	3\5	3230 - 3241
31	K.Swaraja	ECE	Parallel CRC generation for high speed applications	International Journal Of innovative technology and exploring	International journal	3\1	429-431

				engineering (IJITEE)			
32	Dr. M.J.C.Prasad	ECE	Parallel CRC generation for high speed applications	International Journal Of innovative technology and exploring engineering (IJITEE)	International journal	3\1	429-431
33	Mekala Rama Rao	ECE	Design of Low power column bypass multiplier using FPGA and implementation using FIR filter	International Journal Of Electronics Communication and computer engineering	International journal	4\5	1571 - 1574
34	Dr. M.J.C.Prasad	ECE	Design of Low power column bypass multiplier using FPGA and implementation using FIR filter	International Journal Of Electronics Communication and computer engineering	International journal	4\5	1571 - 1574
35	P.Ashok Babu	ECE	Retrieving back Super Resolution Image through Iterations	International Journal Of Electrical and Electronics Research (IJEER)	International journal	1\1	19-25
36	P.Ashok Babu	ECE	Performance Evaluation of super Resolution Image Reconstruction using IWT and BPT with different colour transforms	International Journal Of Image Graphics and Signal Processing(IJIGSP)	International journal	6\6	
37	V Nishitha Reddy	Information Technology	A Novel Approach for Mobile Bar Code Scanning	International Journal Of Engineering Research & Technology(IJERT)	International journal	1/7	1-8
38	K Madan Mohan	Information Technology	Cloud Outcome and Troubles with Safety Solutions	International Journal Of Electronics Communication and Computer	International journal	4/6	43-46

				Engineering			
39	Dr.D.Sudha Ran	H&M	Nil Durpan: A Social Semiotic Approach	Research Scholar-an international refereed –e-journal of literary Explosions	International	vol-I- Issue-II	
40	Dr T.V.S.N Reddy		Inter textuality and Problem of Translation	Literary vibes A-Peer Reviewed National Journal in English Studies	National		
41	Dr T.V.S.N Reddy	H&M	Dynamics of Human Relationship in the Plays Of Mahesh Dittany's	Thematic : Journal of commonwealth Literature - A peer reviewed international Research Journal	International		
42	Dr.Geetha Rani D.P	Chemistry	New Surface Hydroxylated and Internally Quaternised Poly(propylene imine) dendrimers as	Expert Opinion on Drug Delivery	International	10(10)	1319 - 1334
43	Dr.S.Kondaiah	Chemistry	Synthesis, Characterization, and Antibacterial Activity of the Schiff Base derived from P-Toluic hydrazine and 2-hydroxy-4-methoxy Acetophenone (HMAPPTH Ligand) and their Mn (II), Co (II), Ni (II) and Cu (II) Complexes	Journal of Applicable Chemistry	National	2(3)	415-425
44	Dr.S.Kondaiah	Chemistry	Synthesis, Characterisation, and Antibacterial Activity of the Schiff Base derived from P-Toluic hydrazideand o-Vanillin (OVPTH	Indian Journal Of Advances in Chemical Science	National	1(4)	228-235..



			Ligand) and its Mn (II), Co (II), Ni (II) and Cu (II) Complexes				
45	B Hema Chandra Rao	H & S (Physics)	Dielectric studies of nano structured BaTi1-xSnxO3 solid solutions	International Letters of Chemistry, Physics and Astronomy	International	13 / 2	191 - 201

Details of papers published in National and International conferences by different departments in the year 2013-14

S. No	Name of the Faculty	Dept.	Title of the paper	Name of the conference	National/ International	Volume /Issue	Page No.
1	Mr.A.Raveendra	ME	Experimental investigations on welding characteristics of similar metal elements and dissimilar metal elements, using Gas Tungsten arc welding	National conference on Role of civil and mechanical engineer in development of society.	National	RCMS -2K13	8- Jan
2	Mr.A.Raveendra	ME	Supersonic flow through conical nozzle with various angles of divergence	National conference on Role of civil and mechanical engineer in development of society.	National	RCMS -2K13	50-57
3	Mr.V Siva Rama Krishna	ME	Educating the next generation of entrepreneurial engineer in the development of Indian industry	International conference on next generation education for entrepreneurial engineers	International		24-27
4	Mr.V Siva Rama Krishna	ME	Optimization of delimitation damage of GFRP composite during end milling using Taguchi method,	National conference on advances in mechanical engineering.	National	Proc. Of AIM-2013	269-272

			S/N ratio, ANOVA				
5	Mr.V Siva Rama Krishna	ME	Performance emission characteristics of low heat rejection(1 hr) engine at different injection timings using diesel and biodiesel fuel	National conference on Role of civil and mechanical engineer in development of society.	National	Proc. of RCMS 2K13	138-144
6	Mr.P.V.Viswanath	ME	The effect of supercharging on the performance of C.I engine using blends of pre-heated cotton seed oil And Diesel	National conference on Role of civil and mechanical engineer in development of society.	National	Proc. Of RCMS 2K13	133-137
7	Mr.P.Pramod kumar	ME	Vibration and Buckling behavior CARP Composite rectangular plates	National conference on Role of civil and mechanical engineer in development of society.	National	Proc. Of RCMS 2K13	68-74
8	Mr.M.Prem Swarup	ME	Design of Scroll compressor using CFD Analysis	National conference on Role of civil and mechanical engineer in development of society.	National	Proc. Of RCMS 2K13	103-107
9	Mr. Shaik Hussain	ME	Performance evaluation of a direct injection diesel engine using cotton seed oil	National conference on Role of civil and mechanical engineer in development of society.	National	Proc. Of RCMS 2K13	32-35
10	Ms Heruthunnisa Shaik	ME	Development of suspension in prosthetic Limb	National conference on Role of civil and mechanical engineer in	National	Proc. Of RCMS 2K13	153-158

				development of society.			
11	Dr. M.J.C.Prasad	ECE	Mitigation Techniques in nanometer scaled Transistors	National Conference in Gurunanak Engineering College	National conference	-	-
12	K Madan Mohan	Information Technology	Cloud Computing importance in the industries and raising the security solutions	Malla Reddy National Conference on Information Systems & Knowledge Engineering	National	1/1	166-169
13	K Madan Mohan	Information Technology	Data Storage Space and Security in cloud computing	National Conference in Computing and Networking .	National	1/1	75-80
14	K Madan Mohan	Information Technology	Cloud Amazing Part of Big Data	International Conference on cloud computing - 2013	International	1/1	96-99
15	M.Swami das	CSE	Applications of classification and regression trees and J4.8 to predict software quality	National conference Proceedings of MRNC ISKE- 2013 2 <sup>nd</sup> & 3 <sup>rd</sup> July 2013.	National	1/1	Page No:301-305
16	Mr. T.Rahul	CSE	Correlation Based Approach for detecting BotNet Attacks	National conference Proceedings of MRNC ISKE	National	1/1	62-67
17	Mr. T.Rahul	CSE	Analyzing and Identifying Transitional Patterns and their Significant Milestones in Transaction Databases	National conference Proceedings of MRNC ISKE	National	1/1	170-180
18	Mr.K.V. Raghavender	CSE	Application Layer and Bandwidth DDOS Violations	National conference Proceedings of MRNC ISKE	National	1/1	416-421

19	Mr.D.Kishore Babu	CSE	Cumulative Distribution based online Fraud Detection	National conference Proceedings of MRNC ISKE	National	1/1	54-58
20	Mr.D.Kishore Babu	CSE	Enabling Similarity search over Encrypted Cloud Data	National conference Proceedings of MRNC ISKE	National	1/1	294-300
21	Mr. M.Ravikanth	CSE	Evidence based Data Extraction Using Co-Reference Techniques	National conference Proceedings of MRNC ISKE	National	1/1	430-433
22	Mr. S.Ajay Kumar	CSE	Optimal Secure location based Routing protocol for MANETS	National conference Proceedings of MRNC ISKE	National	1/1	49-53
23	Mr. H. Suresh	CSE	Risk Aware Mitigation for Manet Routing Attacks	National conference Proceedings of MRNC ISKE	National	1/1	242-249
24	Mrs.J.Sireesha	CSE	A Brief Survey in Cloud Computing	National conference Proceedings of MRNC ISKE	National	1/1	437-439
25	Mr.K.V. Raghavender	CSE	A Brief Survey on TARF: Trust Aware Routing Framework Protocol	National conference Proceedings of MRNC ISKE	National	1/1	100-107
26	Mr. P Chandrashaker Reddy	CSE	Distance Learning a Way to Dropouts in Education A Study using Data Mining Techniques	National conference Proceedings of MRNC ISKE	National	1/1	409-411
27	Mr.P.RameshBabu	CSE	Text Clustering Using Difference Vectors Similarity Measure	National conference Proceedings of MRNC ISKE	National	1/1	20-24

28	Mr.P.Ramesh Babu	CSE	Correlation Similarity Measure: An Effective Approach for Document Clustering	National conference Proceedings of MRNC ISKE	National	1/1	73-76
29	M.Swami Das	CSE	Applications of Genetic Programing to predict software quality	National conference Proceedings of MRNC ISKE	National	1/1	393-397
30	M.Swami Das	CSE	A survey on air traffic control using surveillance radars	International Conference at JNTUH	International	1/1	138-142
31	M.Swami Das	CSE	A survey on QoS of web services and classification of web services	IC3T2K14, CMR Technical Campus	International	1/1	112-116
34	D .Vigneswra Rao	CSE	Binary Erasure Based Multipath Channel Routing	National conference Proceedings of MRNC ISKE	National	1/1	285-289
35	M.Swamydas	CSE	Application of Genetic Programming to predict Software Quality	Advanced Computing Methodologies	International		393-397
36	M.Swamydas	CSE	A survey on QoS of web services and classification of web services	International Conference on Computer & Communication Technologies	International		112-116
37	VVL.Sameera	MBA	A Study on Motivational Factors for select Investor Categories to invest and to study their Impact on BSE SENSEX and NIFTY-50.	Conference	National	9789383038084	38

Details of papers published in National and International Journals by different departments in the year 2014-15

S. No	Name of the Faculty	Dept.	Title of the paper	Name of the Journal	National/International	Volume/Issue	Page No.
1	V.Ranjith Kumar	Civil	Modeling traffic accidents severity analysis on nh-202 in range reddy district	International journal of engineering research and technology	International	2278-0181 VOL 2, ISSUE 6	Page :497-502
2	Vamsi Krishna, Ranjith, Hussain	Civil	Ceroplastic and ceraproof admixtures behavior on high strength concrete.	International journal of engineering research and technology	International	2278-0181, VOL 2, ISSUE 5	Page :15-19
3	Vamsi krishna, Ranjith, Hussain	Civil	Ceroplastic and ceraproof admixtures behavior on high strength concrete.	International journal of scientific engineering research	International	2347-3878, VOL 2, ISSUE 5	Page :15-18
4	S M Abdul Mannan Hussian Vamsi Krishna,Ranjith	Civil	Application and analysis of last planner system in the construction industry	International journal of engineering research and technology	International	2278-0181, VOL 2, ISSUE 6	Page :115-121
5	T.Sandeep, S.V.Narsi Reddy	Civil	Seismic vulnerability of multistoried buildings with ground soft story and with infills	International journal of engineering research and technology	International	2278-0181, VOL 3, ISSUE 6	Page : 687-692
6	Dr.P.Srilata ha Reddy	Civil	Designing and development of environmental information system using geometrics: a case study from prakasam district.	International journal of engineering research and technology	International	2278-0181, VOL 3, ISSUE 6	Page : 1156-1161
7	Vamsi Krishna	Civil	A study on strength properties of pervious concrete by using chemical blend for rigid	American concrete institute	International	PEER REVIEW	Page : 35-39

8	S M Abdul Mannan Hussain, Asra Fatima, Ashok Kumar	Civil	Collaborative implementation of last planner system in construction industry	International journal of engineering research and technology	International	2278-0181, VOL 3, ISSUE 6	Page : 138-142
9	S M Abdul Mannan Hussain, Dr.T.Seshadri Sekhar, Asra Fatima	Civil	Analysis of lean construction by using last planner system	International journal of engineering research and technology	International	2278-0181, VOL 3, ISSUE 5	Page : 1059 - 1065
10	B. Vamsi Krishna	Civil	An experimental study of flexural strength of reinforced concrete beam due to corrosion	IOSR	International	ISSN: 2278-1684 VOL.11 - ISSUE -4	Page : 98-109
11	B. Vamsi Krishna	Civil	Study on the effect of gust loads on tall buildings	IJSCER	International	ISSN: 2319-6009, VOL.3	Page : 14-19
12	B. Vamsi Krishna	Civil	Design of pre-stressed concrete t-beams	IJSER	International	ISSN: 2437-3878, VOL 2- ISSUE.8	Page :37-42
13	S M Abdul Mannan Hussain	Civil	Analysis of self supported steel chimney as per Indian standard	IJMER	International	ISSN: 2249-6645 VOL. 4   ISS.7  JULY. 2014	Page :41-44
14	S M Abdul Mannan Hussain	Civil	Design and analysis of precast load bearing walls for multi storey building using tabs	IJMER	International	ISSN: 2249-6645 VOL. 4   ISS.7  JULY. 2014	Page :68-72
15	S M Abdul Mannan Hussain	Civil	Analysis of construction dispute resolution process using artificial neural networks	IJOIRD	International	ISSN 2278 – 0211 Vol 3 Issue 7	Page :172 -176

16	S M Abdul Mannan Hussain	Civil	Study of risk in construction contracts	IJOIRD	International	ISSN 2278 – 0211 Vol 3 Issue 7	Page :283 -289
17	G. Rama Krishna	Civil	Pushover analysis of sloping ground rc-buildings	IJERT	International	ISSN: 2278-0181 VOL-3, ISS-66/1/2 014	Page :172 -176
18	G. Rama Krishna	Civil	Strengthening of rc beam using frp sheet	IJMER	International	IJMER , VOL-4, ISS-71, JULY 2014	Page :145 -151
19	G. Rama Krishna	Civil	An experimental investigation by rapid chloride permeability test apparatus	IJERT	International	ISSN: 22789-0181, VOL.3 - ISSUE .8	Page : 98-103
20	B. Vamsi Krishna	Civil	Influence of na <sub>2</sub> co <sub>3</sub> , nahco <sub>3</sub> and organic substances (algae) in water on physical properties of blended pozzolonic Portland cement	International journal of engineering research & technology (ijert)	International	ISSN: 2278-0181, VOL-3, ISSUE -12, DEC-2014	PAGE: 35-37
21	T.Suman	EEE	Modeling and simulation of Micro grid Equipped based on photo voltaic/Fuel cell equipped with power electronic interfaces	Journal	International	vol:1, No.8/ISSN 2349-4751	
22	Mr.A.Raveendra	ME	Finding Cutting Forces While Turning Operation On Lathe Machine At Different Depth Of cut o Different Metals	International journal of innovative research in science, engineering and technology	International	vol.3/issue 10	

23	Mr.A.Raveendra	ME	Micro hardness and mechanical properties of EN24 alloy steel weld metals Non pulsed current gas tungsten arc welding	International journal of innovative research in science, engineering and technology	International	vol.3/issue 10	
24	Mr.P.Promod Kumar	ME	Thermo structure analysis of laminated hybrid composite plates using FSDT	Board of international Journal on recent Technologies in Mechanical Electrical Engineering	International	vol.1/issue 2	
25	Mr.T.RamaSwamy	ECE	PAPR Reduction in MIMO OFDM System using SLM and PTS Schemes	International Journal of Emerging Engineering Research and Technology	International	2\4	131-136
26	Mr.T. Ramaswamy	ECE	Performance Analysis for DWT and FFT Based OFDM System	International Journal of Innovative Research in Electronics and Communications (IJIREC)	International	1\5	35-43
27	Mr.T. Ramaswamy	ECE	FPGA Implementation of High Speed CSLA Using D-Latches	International Journal of Innovative Research in Electronics and Communications (IJIREC)	International	1\5	24-34
28	Ch. Bhanu Prakash	ECE	Design and Implementation of a Vehicle Theft Control Unit using GSM and CAN Technology	International Journal of Innovative Research in Electronics and Communications (IJIREC)	International	1\4	46-53
29	Mrs.K.S.Indrani	ECE	An Real Time IWSN Based SCADA Network for Industrial Automation	International Journal of Innovative Research in Electronics and Communications (IJIREC)	International	1	7..11

30	Mrs.K.S.Indrani	ECE	A Third Generation Style for the Automation of Inter- Networked Banking and Teller Machine Operations Victimization Universal Subscriber Identification Modules	International Journal of Emerging Engineering Research and Technology	International	2\4	281-285
31	Dr. M. J. C. Prasad	ECE	Prepayment of Electricity Units with Theft Controlling System	International Journal of Research Studies in Science, Engineering and Technology [IJRSSET]	International	1\4	42-48
32	G.Kumaraswamy	ECE	Wireless and Pyroelectric Sensory Fusion System for Indoor Human/Robot Localization and Monitoring	International Journal of Emerging Engineering Research and Technology	International	2\4	449-464
33	Mr.P.Ashok Babu	ECE	Multi-Modal Biometric using IRIS, Palm Print and Finger Print Verification Based on Key Generation Process	International Journal of Emerging Engineering Research and Technology	International	2\4	48-53
34	Mrs. P. Sowjanya	ECE	A Can Bus Primarily Based System for Observance and Fault Designation in Wind Turbine	International Journal of Emerging Engineering Research and Technology	International	2\4	64-71
35	Mrs.P.Sowjanya	ECE	A Flexible Wireless Body Detector Network System for Health Watching	International Journal of Innovative Research in Electronics and Communications	International	1\5	14-Jul
36	G. Ramakrishna Reddy	ECE	Design and Development of car observance System victimization Controller area Network (CAN) Protocol	International Journal of Emerging Engineering Research and Technology	International	2\4	22-28

37	B. Srinivas	ECE	Design and Implementation of Online BIST for Different Word Sizes of RAMs	International Journal of Emerging Engineering Research and Technology	International	2\4	286-293
38	Mr.P.Ashok Babu	ECE	An Mobile Wireless Sensor Network Based Military Robot	International Journal of Innovative Research in Electronics and Communications (IJIREC)	International	1\4	1- 4
39	B.Srinivas	ECE	Design of Mobile Jammer using RF Technology	International Journal of Emerging Engineering Research and Technology	International	2\4	72-79
40	CH.Bhanu Prakash	ECE	FPGA Implementation DIFFIE-HELLMAN key Exchange Algorithm using DES	International Journal of Innovative Research in Electronics and Communications	International	1\4	26-36
41	Mr. B.Srinivas	ECE	An Embedded Period of Time Finger-Vein Recognition System for Security Levels	International Journal of Emerging Engineering Research and Technology	International	2\3	303-310
42	V. Srinivas	ECE	FPGA Implementation of Proposed SHA-192 Algorithm for Digital Signature Applications	International Journal of Emerging Engineering Research and Technology	International	2\4	5-10
43	M.Murali Krishna	ECE	Error Detection and Correction Architecture for Motion Estimation in Video Coding Systems	International Journal of Emerging Engineering Research and Technology	International	2\3	274-280
44	Mr.T.Ramaswamy	ECE	PAPR Reduction in SFBC MIMO OFDM System Using ACE and AMS Schemes	International Journal of Emerging Engineering Research and Technology	International	2\4	180-186

45	Dr. M. J. C. Prasad	ECE	Design and Development of a Remote Monitoring and Maintenance of Solar Plant Supervisory System	International Journal of Research Studies in Science, Engineering and Technology [IJRSSET]	International	1\4	57-61
46	C. Shilpa	ECE	A Novel Background Subtraction for Dynamic Texture Scenes by Exploitation of Fuzzy Colour bar Graph and Morphological Operations	International Journal of Research Studies in Science, Engineering and Technology	International	1\9	155-160
47	P.Ashok Babu	ECE	Performance Evaluation of Super Resolution Image Reconstruction using IWT and BPT with Different Colour Transforms	I.J. Image, Graphics and Signal Processing	International	8\11	62-68
48	P.Ashok Babu	ECE	Binary Plane Techniques for Super Resolution Image Reconstruction in Transform Domain	International Journal of Innovative Research in Electronics and Communications (IJIREC)	International	1\7	18-24
49	T.Srinivas Reddy	ECE	Fine-Grain Redundancy Techniques for High Reliable SRAM FPGA'S in Space Environment	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering. (IJAREEIE)	International	3\12	14047-14051
50	J.Santosh	ECE	Fine-Grain Redundancy Techniques for High Reliable SRAM FPGA'S in Space Environment	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering. (IJAREEIE)	International	3\12	14047-14051
51	Dr Mastan, Dr Ali Hussain	CSE	A Study on Semantic Web Services and its	International Journal of	International	3\5	234-237

			Significant Trends	Computer & Electronics Research			
52	Dr Mastan, Dr P Suresh Varma, Dr Ali Hussain	CSE	A survey on congestion control mechanisms	International Journal of Research in Engineering and Technology	International	3/9	159-164
53	Bojja Krishna, Dr Mastan	CSE	Cloud Security: Capacity Management (CCMS) For virtualization data centre	international journal for research on electronics and computer science	International	1/2	1678 - 1683
54	B Kalyani Devi, Dr Mastan	CSE	An Efficient Incentive Simpatico Model for Secure Data sharing	international journal for research on electronics and computer science	International	2/1	1378 - 1382
55	B. Rebecca, J. Sireesha	CSE	A Relationship-Based Self-Formatting Algorithm for Feature Clustering With the Help of K-Means Strategy	International Journal of Scientific Engineering & Technology Research	International	1/3	3841 - 3845
56	Ravula Jyothsna, J Sireesha	CSE	Fine-Grained access management for complex event Processing Systems	international journal for research on electronics and computer science	International	1/4	2321 - 2325
57	T Harika, J. Sireesha	CSE	Using Multiplicative Random Projection Matrices for Privacy Preserving Distributed Data Mining	International journal for research on electronics and computer science	International	1/5	828-832
58	Dr Y Venkateswarlu, Dr U Ravi Babu, CH Anil Kumar	CSE	An Efficient Texture Classification Based on Semi Uniform LBP	IOSR Journal of Computer Engineering	International	16/5	36-42
59	Dr U Ravi babu, Dr PSR Murthy, Ch Lakshmi Kanth	CSE	Wavelet and Pattern Trends based Co-occurrence features for Age Group Classification of a Facial Image	International Journal of Digital Content Technology and its Applications	International		

60	Kalvakuntla Swetha, Muralinath RS	CSE	MMulti - Clouds to Ensure Security in Cloud Computing through RNS Algorithm	international journal for research on electronics and computer science	International	2/2	1735 - 1740
61	Y Venkatesh, Muralinath RS	CSE	Privacy Preserving Over Shared Network in Cloud Computing	international journal for research on electronics and computer science	International	1/4	889-896
62	Jyothi Chinturla, Murali Nath RS	CSE	Secure and Verifiable Outsourced Decryption with Limited Devices	international journal for research on electronics and computer science	International	2/2	1740 - 1746
63	Sneha Sureddy, Raghavender KV	CSE	User mobile device location proof updating system for Location-based services	international journal of computer and electronics engineering	International	4/4	36-41
64	B Rambabu, Raghavender KV	CSE	DDOS Attack Detection Method Using Multivariate Correlation	international journal of engineering research	International	2/6	16-23
65	B Ramesh Reddy, D Kishore Babu	CSE	Conceptualization Based Query for Dynamic RDF Database	international journal for research on electronics and computer science	International	2/1	1416 - 1422
66	Dr Mastan, Dr Ali Hussain	CSE	A Study on Semantic Web Services and its Significant Trends	International Journal of Computer & Electronics Research	International	2/2	1735 - 1740
67	M Swami Das	CSE	Secure Data Transmission Using Aggregation Schemas.	IJEEE	International	1/8	45-48
68	Vijay Krupa Vastal	CSE	Securing of Distributed systems by using KP-ABE Scheme	IJRECS	International	2/2	1661 - 1665
69	K Sandhya Reddy	CSE	Mobile video streaming and sharing data through	IJRECS	International	2/1	1535 - 1540

			storage.				
70	K Sandhya Reddy	CSE	Improving the searching efficiency in private searching on streaming data.	IJRIT	International	2/4	374-377
71	P A Hima Kiran	CSE	Enhancement of adaptive fast re-route with Intrusion Detection System.	IJRECS	International	2/2	1618 - 1622
72	K Sandhya Reddy	CSE	Distributed Jar generation in networks for secure authentication.	IJRIT	International	2/9	467-471
73	A Phaneendra	CSE	A Distributed Hash table technique for peer to peer networks.	IJRECS	International	1/5	1038 - 1042
74	J Pavan Kumar	CSE	Secure data access control using key policies in cloud server	IJRECS	International	2/2	1644 - 1649
75	D Krishna Kishore	CSE	To Lie or To Comply: Defending against Flood Attacks in Disruption Tolerant Network.	IJRECS	International	2/1	1547 - 1550
76	M Ahalya Rani	CSE	Secure user profile storage in social networks	IJRECS	International	2/2	1729 - 1734
77	Vijay Krupa Vasatal	CSE	Clustering Search Keywords by using Nearest Neighbor Matching.	IJRECS	International	2/2	1655 - 1660
78	J Pavan Kumar	CSE	Mining term application pattern from search logs for effective query conceptualization	IJRECS	International	2/1	1541 - 1546
79	M Ahalya rani	CSE	Website structure enhancement for efficient client routing	IJRECS	International		
80	J Pavan Kumar	CSE	Expert web search engine using associated keywords.	IJERMT	International	3/1	96-101
81	Dr MD Mastan	CSE	An efficient incentive simpatico model for		International		

			secure data sharing				
82	P V Ramana Murthy	CSE	Mona Secure Multi-Owner data sharing for dynamic groups in cloud.	IJRECS	International	2/1	1531 - 1534
83	Dr MD Mastan	CSE	Capacity management for virtualized data centers.	IJRECS	International	2/1	1678 - 1683
84	K V Raghavendar rao	CSE	DDOS attack detection method using multivariate correlation analysis	IJERO	International	2/6	16-22
85	J Sireesha	CSE	Using Multiplicative Random Projection Matrices For Privacy Preserving Distributed Data mining.	IJRECS	International	¼	828-832
86	K V Raghavendar rao	CSE	A Ring Based Protection Network for Detection Of Flooding DDOS Attacks.	IJATIR	International	6/9	1012 - 1017
87	R S Muralinath	CSE	Secure and verifiable outsourced decryption with limited devices	IJRECS	International	2/2	1740 - 1745
88	R S Muralinath	CSE	Analysis of security and privacy enhancing multi cloud architecture	IJRECS	International	2/2	1735 - 1739
89	M Swami Das	CSE	Control and Detection of Vampire Attacks in wireless sensor networks	IJRECS	International	2/2	1709 - 1712
90	Mr. D Kishore Babu	CSE	Conceptualization based Query responding for Dynamic RDF Database.	IJRECS	International	2/1	1416 - 1421
91	Dr. K. Sharath babu		International Journal of Andhra Pradesh Society for Mathematical Sciences(APSMS).	Root finding problem a new approach	international	vol-1, Issue -2	13-15



92	Dr T.V.S.N Reddy	H&M	Symbolism in Anita Desai's Fire On the Mountain	Thematic journal of english criticism a peer-reviewed international research journal	International	Vol 3 Issue 2	
93	Dr.V.Krishna	Chemistry	Electrochemical Behaviour of N <sub>2</sub> O <sub>2</sub> Schiff base Cu(II) Complex in Non Aqueous Media at the Surface of Solid Electrode	International Journal of Pure & Applied Chemistry .	International	9(1)	
94	Dr.V.Krishna	Chemistry	Synthesis and Spectral Characterization of Antimicrobial Activity of the Binuclear Co(II), Ni(II), Cu(II) and Zn(II) Complexes of a novel Macro cyclic Biphenyl Bridged Schiff base Ligand	Inorganic Chemical Acta	International		
95	Dr.V.Krishna	Chemistry	Reactions of polyhomofunctional organic compounds: 3. Kinetics of hydrolysis of 1,2-bis(salicylidinimino) ethane	Proceeding of National academy of Science	National		

Details of papers published in National and International conferences by different departments in the year 2014-15

S. No	Name of the Faculty	Dept.	Title of the paper	Name of the conference	National/ International	Volume/Issue	Page No.
1	K.Jaya Sree, Vijaya Parimala, Sravana Sandhya	Civil	Optimum mix design of scc with a comparative analysis of mixed proportions using different admixtures	Conference on latest advances in civil engineering		978-81-920889-5-2	105-109

2	B. Vamsi Krishna S M Abdul Mannan Hussain V. Ranjith Kumar	Civil	High strength enhancement of concrete by using mechanical admixtures	International conference on icaet-2014	International	ISBN: 978-1-63248-028-6 DOI: 10.15224/978-1-63248-028-6-03-83	412-419
3	A.Raju	Civil	Histogram equalization based mean self-adaptive plateau histogram equalization for brightness preserving and contrast enhancement	3rd World conference on applied sciences, engineering & technology, np	International	27-09-2014 TO 29-09-2014	232-239
4	Dr P.Saritha	Civil	Removal of fluoride from ground water using electro chemical methods	International conference on environment and energy , JNTUH, Hyderabad	International	1944-3994	8-Jan
5	Dr P.Saritha	Civil	Assessment of water quality of peddacheruvu, sambaiheruvu, gaddapotharam and rudraram cheruvu of medak district, India"	International conference on environment and energy , JNTUH, Hyderabad	International		232-239
6	P.Sankar Babu	EEE	Energy conservation in air compressors by incorporating variable frequency drive	NCETSTM -2K14	National		
7	P.Sankar Babu	EEE	Emerging Trends in Science&Technology&Management	NCETSTM -2K14	National		

8	P.Sankar Babu	EEE	Power Quality and System Level Control At Three-Phase Bidirectional Converter Interfaced With Micro Grid Systems	ICIEMS-2014	International		
9	G.Satish	EEE	Direct adaptive Fuzzy control for DC Motor by using only position measurements	NCETSTM-2K14	National		
10	Ch.Naveen Kumar	EEE	Model based predictive PID Control system for chemical	ICETETS-2014	International		
11	S.Ramesh Babu	EEE	Simulation of a LAG-LEAD Compensator with a first order	ICETETS-2014	International		
12	Mr.T.RamaSwamy	ECE	PAPR Reduction in SFBC-OFDM System using ACE and AMS Schemes	International conference on emerging trends in Electronics and Telecommunications.	International conference	-	125-131
13	Dr Mastan	CSE	An Energy Efficient Hybrid Clustering Protocol designed for Heterogeneous Multilevel Wireless Sensor Network	2015 First International Conference on Electrical, Computer and Communication Technologies (ICECCT 2015)	International	Communicated	
14	Dr U Ravi Babu, Dr Mastan	CSE	A New Resemblance for Representation of Shape and Classification focused around Boundary	2015 First International Conference on Electrical, Computer and Communication	International	Communicated	

			Approach	Technologies (ICECCT 2015)			
15	S.Ajay kumar and M Krupa Sekhar	CSE	Effective Record de duplication of data by using Genetic Programming	NCETSTM 2k14	National		75-79
16	A.Venkatrami Reddy	CSE	Security of WSNs Based on a Trust-Aware Routing Framework	NCETSTM 2k14	National		82-85
17	M.Swami Das	CSE	Novel Network Architecture For Enhancing Internet	NCETSTM 2k14	National		119-123
18	K V Raghavender	CSE	Countering varying DDos Attacks Based on Attack path	NCETSTM 2k14	National		132-136
19	Dr. T.G.V.M. Rao	H & S (Physics)	Investigation of local environment of copper ions in lead oxyflorosilicate glasses	National conference on emerging trends in science technology and management	National	-	77 - 81
20	K Sharmila Rudramamba	H&S( PHY SICS)	Investigation of local environment of copper ions in lead oxyflorosilicate glasses	National conference on emerging trends in science technology and management	National	-	77 - 81

**\* publication per faculty**

S.No	Name of the faculty	Dept.	Conference		Journals	
			National	International	National	International
1	Dr.K.V.Ganesh Babu	CE	0	0	0	3
2	Dr P. Raja Sekhar	CE	2	1	4	2

S.No	Name of the faculty	Dept.	Conference		Journals	
			National	International	National	International
3	Dr.M.Srinivas Reddy	CE	0	0	0	2
4	Dr P.Sritha	CE	0	1	0	1
5	G.Kavita	CE	0	1	0	0
6	Dr P.Sri Latha	CE	0	0	0	2
7	Dr K.Jaya Sree,	CE	0	1	0	3
8	M.B.Bharathi	CE	0	1	0	3
9	A.Srilatha	CE	0	1	0	3
10	Dr.M.Sunandana Reddy	CE	0	0	0	1
11	Dr.M.Krishna Mohan	CE	0	0	0	1
12	B.Vamsi Krishna,	CE	2	1	0	10
13	V.Ranjith kumar	CE	1	1	0	5
14	Mannan Hussain	CE	0	1	0	9
15	G.Rama Krishna	CE	2	1	0	1
16	T.Sandeep,	CE	1	0	0	3
17	S.V.Narsi Reddy	CE	0	1	0	1
18	S.Ashok Kumar	CE	0	0	0	2
19	T.Sravana Sandya	CE	0	1	0	0
20	Dr A.Raju	CE	0	1	0	0
21	Dr.J.Vijay Kumar	EEE	11	7	18	16
22	P Sankerbabu	EEE	9	12	13	12
23	Dr. R V Amarnath	EEE	9	9	7	9
24	M Lakshmi Swarupa	EEE	9	8	6	6
25	Dr.EV Subba Reddy	Mech	0	0	1	2
26	Mr.A.Raveendra	Mech	0	0	0	1
27	Mr.RS Uma maheswar Rao	Mech	0	0	1	0
28	Dr. I. Satyanarayana	Mech	0	0	0	1
29	Mr. V.Narasimha Reddy	Mech	0	1	0	1
30	Mr.A.Raveendra	Mech	0	2	0	4
31	Ms.V.V.Prathibha Bharathi	Mech	0	0	0	3
32	Mr. V.Narasimha Reddy	Mech	1	0	0	0

S.No	Name of the faculty	Dept.	Conference		Journals	
			National	International	National	International
33	Mr.A.Raveendra	Mech	2	0	0	4
34	Mr.V Siva Rama Krishna	Mech	2	1	0	1
35	Mr.P.V.Viswanath	Mech	1	0	0	0
36	Mr.P.Pramod kumar	Mech	1	0	0	1
37	Mr.M.Prem Swarup	Mech	1	0	0	0
38	Mr. Shaik Hussain	Mech	1	0	0	0
39	Ms Heruthunnisa Shaik	Mech	1	0	0	0
40	Mr.A.Raveendra	Mech	0	0	0	2
41	Mr.P.Pramod kumar	Mech	0	0	0	1
42	Dr. M. J. C. Prasad	ECE				12
43	Dr. K.Sri Hari Rao	ECE				2
44	Dr.Giribabu Kande	ECE				1
45	P.S.Indrani	ECE		1		3
46	P.Ashok Babu	ECE				4
47	B.Srinivas	ECE				5
48	C.Silpa	ECE				3
49	P.Sowjanya	ECE				2
50	Ch. Bhanu Prakash	ECE				2
51	T.RamaSwamy	ECE				4
52	V.Srinivas	ECE		1		1
53	G. Kumara swamy	ECE		1		1
54	M. Murali Krishna	ECE				1
55	N. Srinivasa Rao	ECE				1
56	G. Sree lakshmi	ECE		1		3
57	K. Swaraja	ECE				1
58	Mekala Rama Rao	ECE				1
59	A. Indra kumar	ECE		1		
60	M. Asha Jyothi	ECE		1		
61	K. Vanisree	ECE				1
62	Dr. Md. Mastan	CSE		4	2	9
63	Dr. Ch Sunil Kumar	CSE	1	3	2	4
64	Dr. Pandari Nath	CSE	2	4	3	5

S.No	Name of the faculty	Dept.	Conference		Journals	
			National	International	National	International
65	Dr U Ravi Babu	CSE	4	2	6	8
66	Dr Ch Srinivas Rao	CSE	1	2	1	3
67	Dr D V S S Subramanyam	CSE	2	2	1	3
68	P V Ramna Murthy	CSE		2	1	2
69	M Swami Das	CSE	2	5		1
70	J Seerisha	CSE				2
71	P A Hema Kiran	CSE				2
72	R S Murlinath	CSE		3		3
73	D Vigneshwar Rao	CSE				1
74	S Ajay Kumar	CSE	4	1	1	5
75	D Kishore Babau	CSE				2
76	K V Ragavendar	CSE	3	1	2	2
77	A Radha Krishna	CSE				2
78	M Ahalya Rani	CSE		2	2	2
79	K Sandhya Reddy	CSE				2
80	J Pavan Kumar	CSE				2
81	D Krishna Kishore	CSE		1		1
82	M Shamyal Rao	CSE				1
83	A Phanidra	CSE				1
84	Vijay Krupa Vasatal	CSE				2
85	K Sukeerthi	CSE		3		1
86	S Sandhya Rani	CSE				1
87	K Rama Krishna Reddy	CSE				1
88	A Rajesh	CSE	1		1	
89	R Nageshwar Rao	CSE	1		1	
90	A Laksham	CSE			1	1
91	P Haney Dieana	CSE				1
92	T Rani	CSE				1
93	Md. Inayathulla	CSE		1		
94	G Sateesh	CSE				1
95	A Sanjeev Raidu	CSE				2
96	M Krupa Shekar	CSE	1			

S.No	Name of the faculty	Dept.	Conference		Journals	
			National	International	National	International
97	K Madhan Mohan	IT	2	1		2
98	V Satish Kumar	IT		1		2
99	K Sudha Reddy	IT				1
100	V Nishita Reddy	IT				1
101	G V Veneela	MBA	1	2		1
102	A Latha	MBA	2	1		
103	V Venu Kumar	MBA	1			
104	Dr N Y S Murthy	Chemistry	2	1	2	1
105	K Mahesh	Chemistry	2			
106	Dr. S Kondaiah	Chemistry			2	1
107	Dr K Suresh Babu	Chemistry			1	2
108	Dr V Krishna	Chemistry				1
109	B Hemachandra Rao	Physics				1
110	K S Rudraamaba	Physics	1	1		
111	Dr. T G V Mallikarjuna Rao	Physics	1	1		
112	Dr. K sharath Babu	Maths				4
113	Dr. D Sudha Rani	English			1	3
114	Dr T V S N Reddy	English			2	4

\* faculty serving on the editorial boards of national and international journals . No

\* faculty members on the organization committees of international conferences, recognized by reputed organizations / societies. No

3.4.2 Does the College publish research journal(s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?

No.

3.4.3 Give details of publications by the faculty:

- \* number of papers published in peer reviewed journals (national / international)
- \* Monographs
- \* Chapters in Books
- \* Editing Books

\* Books with ISBN numbers with details of publishers

S.No	Year	Title of the book	Edition	ISBN	Publisher	Author(s)	
						Name of the Faculty	Dept
1	2009-10	Mathematical Methods	I	978-81317-25986	Pearson	E.Rukmangadachari	H & S
2		Engineering Mathematics	I	978-81317-29410	Pearson	E.Rukmangadachari	H & S
3	2010-11	A Manual for English language laboratories	I	978-81317-30980	Pearson	Dr. D.Sudharani	H & S
4		Mathematical Methods	II	978-81317-25986	Pearson	E.Rukmangadachari	H & S
5		Engineering Mathematics	II	978-81317-29410	Pearson	E.Rukmangadachari	H & S
6	2009-10	Mathematical Methods	I	978-81317-25986	Pearson	E.Rukmangadachari	H & S
7		Engineering Mathematics	I	978-81317-29410	Pearson	E.Rukmangadachari	H & S
8	2010-11	A Manual for English language laboratories	I	978-81317-30980	Pearson	Dr. D.Sudharani	H & S
9		Mathematical Methods	II	978-81317-25986	Pearson	E.Rukmangadachari	H & S
10		Engineering Mathematics	II	978-81317-29410	Pearson	E.Rukmangadachari	H & S
11	2012-13	Engineering Physics Practicals	II	978-93808-56834	University Science Press	Dr. B.Srinivasa Rao	CSE
						Kesava Vamsi Krishna V.	H & S

							K. S. Rudramamba	H & S
							Dr. D. Sudha Rani	H & S
12		A Workbook on English Grammar and Composition	I	978-12590-26393	McGraw Hill		Dr. T. V. Surendranatha Reddy	H & S
							D. Ravi	H & S
							A. S. Jyotsna	H & S
13		Manage your stress at all levels	I	978-93821-63077	Paramount publishers		A J Praveen Kumar	M B A
14		A Manual for English language Communication skills laboratories	I	978-81317-75714	Pearson		Dr. D. Sudha Rani	H & S

- \* number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- \* Citation Index – range / average
- \* SNIP
- \* SJR
- \* Impact factor – range / average
- \* h-index

Details of publication by faculty:

	CE	EEE	ME	ECE	CSE	IT	H&M	Physics	Chemistry	MBA
National & International Journals	41	75	37	62	101	6	15	3	19	9
Monographs	-	-	-	-	-	-	-	-	-	-
Chapters in book	-	2	-	-	-	-	-	-	-	-
Citation index-range/average	-	-	-	-	-	-	-	-	-	-
Impact factor	0.8-3	0	07-2.5	.9-1.9	1-2	-	-	-	-	-
h-index	-	-	-	-	-	-	-	-	-	-

**3.4.4 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty.**

About 2% of faculty members are guiding Ph.D. scholars. All the scholars need some more time to complete.

**3.4.5 What is the stated policy of the College to check malpractices and misconduct in research?**

College R&D committee will check the malpractices and misconduct in research papers submitted.

**3.4.6 Does the College promote interdisciplinary research? If yes, how many inter departmental / inter disciplinary research projects have been undertaken and mention the number of departments involved in such an endeavour.**

Yes, the College promotes inter-disciplinary/ inter-departmental research work. So far the college is not doing any research project in this context but ready to undertake such kind of project as well in future.

**3.4.7 Mention the research awards instituted by the College.**

- ❖ Cash award is given to faculty who publish books, research papers in peer reviewed journals and conferences.
- ❖ Faculty who obtained their doctoral degrees are also felicitated.

**3.4.8 Provide details of****\* research awards received by the faculty :**

1. Dr. A Raju, received young scientist award in 3<sup>rd</sup> world conference on applied science, engineering and technology at Katmandu, Nepal on 27<sup>th</sup> and 28<sup>th</sup> September 2014.
2. Dr. J Vijay Kumar Awarded best Paper in National Conference on Power Systems Today (PST) Conducted by Andhra University, Visakhapatnam during 29-30 Jun, 2010.
3. Dr. Kesavan Gopal Awarded with best idea contribution Hyderabad, contest by Infotech Enterprises Limited in the year 2009
4. Dr. Sharath Babu, Prof. in Mathematics received National level Best research Paper award in the field of Applied Mathematics Category (Prof. Meenakshi Sundaram Memorial best paper Award) at XIX – Congress of APSMS during the period Nov 13-15, 2010 for young research scholars below the age group of 35.

**\* recognition received by the faculty from reputed professional bodies and agencies : Nil**

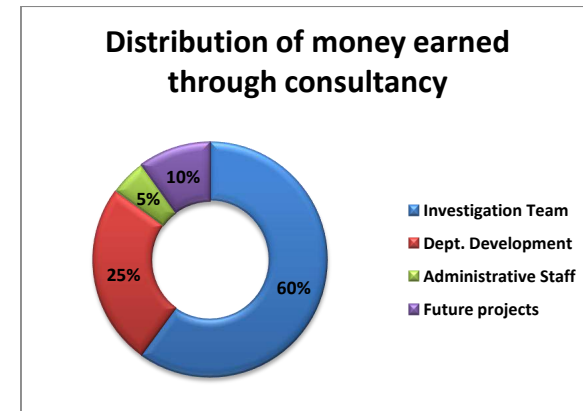
**3.4.9 State the incentives given to faculty for receiving state, national and international recognitions for research contributions.**

Cash awards are given to faculty who won recognition and appreciation certificate.

**3.5 Consultancy****3.5.1 What is the stated policy of the College for structured consultancy? List a few important consultancy services undertaken by the College.**

Consultancy services are available in the college for analyzing properties of certain materials and solving some of the associated engineering problems. Consultancy work will be carried by levying suitable charges, using laboratories and manpower.

From the revenue generated, money will be distributed as per the chart shown below.



Consultancy services carried out by college are listed below:

1. Stone and Soil testing.
2. Layout design.
3. Testing of concrete cubes.
4. Agreement of cooperation with TCS.

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

Yes, The College has separate cell under this head like Industry- Institute Interaction cell, Entrepreneurship Development cell and IQAC to cater to the needs and to bridge the gap between students and industry.

Some of the important activities include:

- ❖ Inviting industry related eminent persons for departmental guest lectures, FDPs, seminars and conferences.
- ❖ Arranging internships to students of both UG and PG for their project works
- ❖ Facilitating the participation of people from industry in various academic bodies of the college like Board of studies, Academic Council.
- ❖ Conducting industry ready classes for all the students from the first year onwards.
- ❖ Offering short term certificate courses in the college with the collaboration of industry and other institutes.
- ❖ Every semester break, our students undergo in-plant training to bridge the gap between College and Industry. Students are encouraged to do summer internship at different industries.



**Guest lecture by Industry experts to students**



**Industrial Visit for students**



**Faculty Development Programme**

**3.5.3 What is the mode of publicizing the expertise of the College for consultancy services? Mention the departments from whom consultancy was sought.**

To gain publicity in consultancy activities faculty profiles and their research areas published on college website.

**3.5.4 How does the College encourage the faculty to utilize the expertise for consultancy services?**

The college encourages the faculty to utilize the expertise by providing necessary facilities for consultancy work.

- ❖ Offering remuneration from the income generated
- ❖ By treating faculty members “on duty”.
- ❖ Adjustment and academic load reduction for the faculty members involved in consultancy activities
- ❖ Providing infrastructural facilities to organize and conduct consultancy services.

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

The services offered and tests conducted by civil engineering department and the money earned are shown below.

A brief report on consultancy services is furnished below

**STRUCTURAL ENGINEERING**

S.NO	DESCRIPTION	Rate in Rs.	Amount in Rs.
1	Testing of Concrete Cubes of size 15 cm <sup>3</sup> of M/s Aakurthi Build developers Kompally ( No of Cubes 200)	300	60000

2	Testing of Concrete Cubes of size 15 cm <sup>3</sup> of M/s Aparna developers Kompally ( 200 cubes)	400	80000
3	Testing of Concrete Cubes of size 15 cm <sup>3</sup> of M/s Aakurthi developers Kompally ( 200 cubes)	300	60000
4	Design of RCC Rice Godown for Modification & Redesign For (Mycon Infrastructures)		15000
5	Testing of Concrete Cubes of size 15 cm <sup>3</sup> of M/s RK developers Kompally ( 200 Cubes)	300	60000
6	Testing of Concrete Cubes of size 15 cm <sup>3</sup> of M/s Aparna developers Kompally ( 200 cubes)	400	80000
7	Testing of Concrete Cubes of size 15 cm <sup>3</sup> of M/s SK developers Kompally ( 200 cubes)	300	60000
	TOTAL AMOUNT		<b>415000</b>
<b>GEO TECHNICAL ENGINEERING</b>			
8	Soil Investigation Report For The Proposed G+19 Building At Kompally		50000
9	Soil Investigation Report For The Proposed Girls Hostel Building At Maisammaguda		50000
10	Report of Initial Load Test-2 Conducted on Granular Pile/Stone Column At Kondapur		100000
	TOTAL AMOUNT		<b>200000</b>
<b>TRANSPORTATION ENGINEERING</b>			
11	Volume Count at Mid block for 7 Days (Kompally to Medchal)		10000
12	Volume Count at Mid block for 7 Days (Medchal to Kompally)		10000
13	Volume Count at Mid block for 7 Days (Gandimaisamma to Suraram)		10000
14	Volume Count at Mid block for 7 Days (Suraram to Gandimaisamma )		10000
15	Volume count at Bahadurpally Junction for 7 Days At Each Leg		30000
16	Volume count at Gandimaisamma Junction for 7 Days At Each Leg		30000

17	Origin & Destination Survey at Suraram		50000
18	Origin & Destination Survey at Dhulapally		50000
	TOTAL AMOUNT		<b>200000</b>

### 3.6 Extension Activities and Institutional Social Responsibility (ISR)

#### 3.6.1 How does the College sensitize the faculty and students on Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience.

The college has identified the social responsibility as one of the major priorities to act upon, which is being reflected in the Vision and Mission statements. College NSS wing is coordinating all the activities related to social responsibility.

- ❖ This attitude has been reflected in making the community service as mandatory programme at undergraduate level to inculcate the sense of social responsibility and to provide a platform for self-learning and group learning mechanisms in future life.
- ❖ Apart from the above, students and faculty are sensitized on such activities on every platform.
- ❖ Regular programmes are being organized by inviting visionaries from the society to interact with the faculty and students.
- ❖ Organizing Blood donation camps, plantation, helping the needy at places like orphanages, health camps, awareness programmes, promoting adult literacy among rural public are some of the activities undertaken by these groups and are given below.

S.No	Date	Name of the Activity	Place	Organised by
1	29-Jul-09	Tree plantation programme	MREC	NSS, MREC
2	23-Sep-09	An awareness program on Blood Donation	MREC	NSS, MREC & MRIMS
3	23-Dec-09	A Blood Donation Camp-II	MREC	NSS, MREC & MRIMS
4	23-Jul-11	A Blood Donation Camp	MREC	Sickle cell society
5	29-Jul-11	Tree plantation	Govt High School Maisammaguda	AP Forest Academy
6	9-Nov-11	One Day Workshop by Mr. Raj Kumar, Geography on Disaster	MREC	NSS, MREC



		Management		
7	30-Dec-11	A seminar on Blood donation.	MREC	NSS, MREC & MRIMS
8	7-Apr-12	World Health Day	Kompally	NSS, MREC
9	22-Apr-12	World Earth Day		NSS, MREC
10	5-Jun-12	A seminar on World Environment Day	MREC	NSS, MREC
11	29-Jul-12	Tree plantation	Govt High School Maisammaguda	NSS, MREC
12	23-Jul-12	Tailoring Tutorial Programme	Maisammaguda Village	NSS, MREC
13	23-Feb-13	A Medical Camp Program	Maisammaguda Village	NSS, MREC & MRIMS
14	26-Jun-13	Drug Abuse and illicit Trafficking awareness	Ramakrishnamatam, Domalaguda, hyd	NSS, MREC
15	23-Nov-13	A Blood Donation camp	Mrec	NSS, MREC & MRIMS
16	23,30 Nov; 7,14 Dec	A Dental Check up Camp	Mrec	NSS, MREC & MRIMS
17	12-Jan-13	Worlds Aids Day	Lalitha Kala Thoranam	AP Govt.
18	21-Feb-14	Student volunteers participated at Launch of RGKA	JNTUH, Hyderabad	NSS, JNTUH
19	4-Mar-14	A Blood Donation Camp	Mrec	NSS, MREC & MRIMS
20	22-24 July,14	A Medical Camp Program	Gundlapochampally Primary School	NSS, MREC & MRIMS
21	15-Aug-14	68th Independence Day programme	MREC	NSS, MREC
22	6-Sep-14	A Mega Blood Donation Drive	MREC	NSS, MREC & ABTYP
23	23-Sep-14	"Environment Fest & NSS Day Celebrations"	JNTUH, Hyderabad	NSS, MREC
24	20-Oct-14	Hudhud Relief Fund	MREC	NSS, MREC
25	22-Oct-14	Blood donation camp	MREC	NSS, MREC & MRIMS
26	November, 14	"SWACCH" program	Secunderabad contonment	NSS, MREC

S.No	Date	Name of the Activity	Place	Organised by
27	12-Jan-15	National Youth day	MREC	NSS, MREC
28	19-Jan-15	Blood donation camp	MRIMS	NSS, MREC & MRIMS
29	26-Jan-15	Republic day	MREC	NSS, MREC

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

The College promotes neighborhood activities by making the students to participate more and more in NSS activities organized by college and Maisammaguda adopted village.



NSS volunteers teaching the school children about the basics of computers.



NSS volunteers took initiative in conducting games for school students and more than hundred students participated in different games. Volunteers enjoyed in conducting games in assisting with the Physical director.

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

The college has a dedicated unit of NSS which actively conducts programmes regularly.



1. Awareness programme on importance of literacy 2. Awareness programme on No Drugs, 3. Distribution of books to school students.

### 3.6.4 Give details on social surveys, research or extension work (if any) undertaken by the College to ensure social justice and empower the under-privileged and most vulnerable sections of society?

Some literacy awareness programmes and free health camps with the association of Malla Reddy Hospital are conducted through NSS wing.

### 3.6.5 Give details of awards / recognition received by the College for extension activities / community development work.

A select college for the Guinness record for obtaining the largest blood donation drive titled “Mega Blood donation drive” on 06 -09-2014. This event was organised in association with “Akhil Bhartiya terapanth yuvak parishad”.



### 3.6.6 Reflecting on objectives and expected outcomes of the extension activities organized by the College, comment on how they complement students' academic learning experience and specify the values and skills inculcated?

The extension activities create awareness among the young citizens about the society which they face in near future. Apart from this, self learning, team work, and constructive use of knowledge to benefit the society are some other outcomes.

Values which re-inculcated through the extension activities are:

- ❖ Social responsibility
- ❖ Ethics and values
- ❖ Human Values
- ❖ Societal behavior
- ❖ Communication with community
- ❖ Learning techniques

### 3.6.7 How does the College ensure the involvement of the community in its outreach activities and contribute to the community development? Detail the initiatives of the College which have encouraged community participation in its activities.

Our NSS Volunteers participate in many awareness programmes, like marathon organized by non profitable organisation, Medical camps, importance of literacy, save girl child, awareness on AIDS at neighbouring schools and villages.

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

Yes the college has a mechanism to track the students' involvement in various social activities by organizing the rallies and awareness programmes in neighbouring villages like:

1. Child Labour
2. Adult Education
3. Cyber crime
4. Save girl child
5. Importance of education

And with the use of social media students are encouraged to give their view points on societal issues with the help of face book

All the above activities are co-ordinated and monitored by NSS wing.



1. Blood donation camp with the collaboration of Malla Reddy Hospital
2. Tree plantation programme at neighbouring village and school.

**3.6.9 Give details on the constructive relationships (if any) with other institutions in the nearby locality in working on various outreach and extension activities.**

The College believes in co-operative activities in this direction. So NSS wing is working with some of the local charitable trusts and non-profitable organizations to serve the community. Student NSS bodies are actively taking up several outreach activities like.



- ❖ A Dental Health Camp was organized for neighbouring villagers, staff and students in collaboration with the Malla Reddy Hospital.



On the occasion of World AIDS Day, our college participated in an event organized by JNTUH in collaboration with state govt. It involved a rally and cultural programmes to create awareness on AIDS and preventing measures.



National youth policy-2014 and *Rajiv Gandhi Khel Abhiyan* (RGKA) programmes for the development and empowerment of youth and promotion of sports in the country

**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.**

Nil

**3.7 Collaboration**

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

The college has collaboration with J-Robotics, NTPC, BHEL, IBM, PROCAD Tech. Pvt. Ltd., Reliable environmental services, R.V associates, IVRCL, MKS Automatic Systems, Medikit Services, TITAN Energy Systems, Black bucks.

- ❖ It helps the students to enhance their knowledge and to take industry oriented mini projects and main projects.
- ❖ Academically it helps in designing syllabus according to the Industrial needs.
- ❖ It provides opportunity to invite industry related eminent persons for departmental guest lectures, seminars and conferences.
- ❖ It also gives opportunities to our students getting placed in core companies like TCS, Polaris etc.

### 3.7.2 Mention specific examples of, how these linkages promote.

\* **Curriculum development:** Inviting members from industries under collaboration onto the Boards of studies and Academic Council, helped in design of curriculum and introduction of special electives to bridge the gap between the Student's expertise and Industrial needs.

\* **Internship, On-the-job training:** Students are advised to visit the factories frequently and to work on industry based projects as a part of the academics. Our students are also undergoing in-plant training to know about the Industrial needs. Many of the students are doing summer internship and mini projects with **BSNL, NTPC, BHEL, IBM, Embedded Systems, MKS Automatic Systems, Medikit Services, TITAN Energy Systems, and Quality Electric Systems etc.**

\* **Faculty exchange and development:** Experts from industries are invited to address the faculty through seminars and guest lectures, and thereby the faculty development is being initiated. Faculty members have been sent to many pedagogy training programmes conducted at IITs, IIMs, and NITs and MISSION 10X programme with Wipro. Our faculty has been trained first, after that they deliver the lectures to the students.

\* **Research, Publication:** Faculty members are encouraged to send their research proposals to various funding agencies like DST, AICTE, DRDO, UGC etc.

\* **Consultancy, Extension:** Consultancy services are available in the college for analyzing properties of certain materials and solving some of the associated engineering problems. Consultancy work will be carried by levying suitable charges, using laboratories and manpower.

\* **Student placement:** Every year, campus placements are being organized, as a result of this, large number of students are being placed. Around 60% of the eligible students are being placed every year.



1. Placement cell. 2. Short listed Students waiting in placement cell for further rounds. 3. Final round interview by HCL HR

\* Any other, please specify

### 3.7.3 Does the College have MOUs nationally / internationally and with institutions of national importance/other universities/ industries/corporate houses etc.? If yes, explain how the MOUs have contributed in enhancing the quality and output of teaching-learning, research and development activities of the College?

The college has MOUs with the organizations like HP, IBM, BSNL, PGP Electronics, Reliable Environmental services, WALAMTARI, R.V Associates, MRK Automation Pvt. Ltd., Zonta Technologies, Vedic School of VLSI Design, Unistring Technologies, Jay Robotix, MEDEQUIP services Pvt. Ltd., Black Bucks, OPT integrated Design solutions Pvt. Ltd., Poojapriya Engineering Works Pvt. Ltd., CII etc. These MOUs have contributed in enhancing the knowledge of industries needs, research and development activities.

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

- ❖ FDP programmes, students' projects and development programmes are also part of the MOUs.
- ❖ The MOU with **IBM** has resulted in establishing laboratories, with latest software and tools.

*Any additional information regarding Research, Consultancy and Extension, which the institution would like to include.*

**CRITERION IV:**

**INFRASTRUCTURE AND LEARNING RESOURCES**

**INFRASTRUCTURE AND LEARNING RESOURCES**

**4.1 Physical Facilities**

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

The college plans its growth and allocates adequate budget for its infrastructure, laboratory equipment and other requirements. The campus spreads over 10 acres with a total built up area of 37,485 Sq.m.

**(a) Academic activities**

<b>Details of Class Rooms, Tutorial Rooms, Seminar Halls, UG Labs and Research Labs</b>											
<b>Branch</b>	<b>UG-Class Rooms (I/II/III/IV)</b>				<b>Total</b>	<b>Tutorial Room</b>		<b>Seminar hall/ e-classroom</b>	<b>Labs</b>		<b>Research Labs</b>
	<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>		<b>UG</b>	<b>PG</b>		<b>UG</b>	<b>PG</b>	
Civil	3	2	2	2	9	2	3	1	10	6	1
EEE	2	2	2	2	8	2	4	1	10	6	1
ME	4	3	2	2	11	3	3	1	15	5	1
ECE	3	3	2	2	10	2	3	1	10	6	1
CSE	4	4	4	2	14	4	2	1	15	2	1
IT	0	1	1	1	3	1		1	10		
Mining	1	1			2			1			
MBA	2	3			5		1	1		1	
MCA	0	1	1		2		1	1		4	
<b>Total</b>	<b>19</b>	<b>20</b>	<b>14</b>	<b>11</b>	<b>64</b>	<b>14</b>	<b>17</b>	<b>9</b>	<b>60</b>	<b>30</b>	<b>5</b>
<b>Grand Total</b>	<b>64</b>					<b>31</b>		<b>9</b>	<b>95</b>		



❖ Well equipped class rooms with ICT facilities



❖ E-class room with ICT facilities



Thermal Engineering and Machine Tools Labs

❖ 60 UG and 9 Research Laboratories



1. Concrete Technology 2. EDC Labs 3. Chemistry Lab 4. Simulation Lab



❖ Engineering workshops and IT Workshop



❖ English Language lab



❖ Drawing halls 4 nos



❖ Departmental libraries : 07



❖ Conference rooms-2 Nos.



❖ 1458 Computers connected in LAN



❖ Computer centre 4 nos



❖ Medical center



❖ Bakery and Canteen



❖ Kiosks



❖ Stationery Shop, ATM and In house Bank-UBI



❖ Electrical Power: 3 generators of capacity 62.5 KVA, 125 KVA, 250 KVA and 400 KVA transformer



❖ Transportation: college buses ply all corners of the city.





❖ Major Auditorium with 1500 seating capacity



❖ Mini Auditorium with 200 seating capacity



❖ Placement cell



❖ Separate hostel for girls and boys

❖ Library Details

Degree	No. of Titles	No. of Volumes	No. of National Journals	No. of international Journals	No. of E-Journals
B.Tech	4402	35497	37	0	1934
M.Tech	1059	5796	52	23	439
MBA	895	4396	12	1	752
MCA	509	4767	0	0	439



## ❖ Sports and Games facilities

Indoor facilities:	Outdoor facilities:
Six station multi-gymnasium	Badminton court
Bench press	Basketball with synthetic court
Thread mills	Cricket Net practicing wicket
300 kgs Weight training equipment	Football
Individual Dumb bells	Throw ball
Chess	Volleyball
Table Tennis	Playground for Cricket
Carroms	Cricket stadium is under construction



- ❖ Internet with 80 Mbps and Wi-Fi enabled campus
- ❖ ICT Facilities
- ❖ UPS: all the computer labs having UPS backup.

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

A review and budgeting for the infrastructural needs are conducted annually for effective teaching learning environment in the governing body meeting. Hence the maintenance of infrastructural and departmental requirements is looked after by the Administrative officer supported by the following wings.

**Civil:** An exclusive wing looks after the construction and maintenance functions on the campus for all day to day as well as new infrastructural needs.

**Electrical:** The department of quality maintenance and technical services takes care of the uninterrupted power requirements including installation and maintenance by electrical staff.

**Internet Services:** Maintenance staff under system administrator, takes care of Internet and intranet services, and also looks after the maintenance of the college website.

**Tele-Communications:** The College has a 90 line capacity EPABX intercom system and 4 independent P&T lines.

**Library:** The library is managed by qualified librarians and assistant librarians. The processes of issue and receipt of books are maintained by the asst. librarian. A library committee reviews from time to time and takes care of the requirements for addition and replacement of text and reference books and maintenance.

**Drinking Water:** Rich ground water resource is available in the campus and 4 bore wells are dug to draw ground water. Two reverse osmosis water purifiers of capacity 500 liters per hour each are set up to supply purified water. This purified water is cooled and made available on each floor in each building. Quality testing is done regularly using TDS meter.

**Greenery:** Landscaping and greenery is maintained by a qualified and experienced horticulturist. This provides the necessary cooling effect to the eyes and minds of staff and students that stimulates the academic environment.



#### Recent initiatives in enhancement of infrastructure

- ❖ New block is added for additional class rooms and laboratories.
- ❖ Principal room, examination and administrative offices are renovated.
- ❖ Wi-Fi enabled campus.
- ❖ E-portal for online discussion, course material, submission of assignment and question bank.

#### 4.1.3 Does the College provide all departments with facilities like office room, common room, and separate rest rooms for women students and staff?

Yes, the college provides all its departments with Separate office rooms and Separate rest rooms for women students and staff.

**4.1.4 How does the College ensure that the infrastructure facilities meet the requirements of students/staff with disabilities?**

Wherever necessary the classes are arranged in the ground floor

**4.1.5 How does the College cater to the residential requirements of students? Mention**

**\* Capacity of the hostels and occupancy (to be given separately for men and women).**

The hostels are located in the same campus. The hostels can accommodate around 800 students.

Details of hostel facilities:

S.No.	Hostel	Student Residing	Name of the Resident Warden
1	Girls Hostel	500	Ms. Sujatha Srinivas
2	Boys Hostel	300	Mr. M Vinod Kumar Reddy
TOTAL		800	



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

Gym, Yoga centre and all indoor games facilities are available. College gym is also open for hostel students.

**\* Broadband connectivity / Wi-Fi facility in hostel/s.**

All hostels are provided with Wi-Fi and internet facility

**4.1.6 How does the College cope with the health related support services for its students, faculty and non-teaching staff on the campus and beyond?**

- ❖ The College has a health centre which has a qualified medical officer and nurse for routine and emergency medical support. An ambulance is available at call.

- ❖ The society body is maintaining a 300 bed hospital with specialist attention at a nearby location and is accessible for major health requirements with specialized care.

**4.1.7 What special facilities are made available on the campus to promote interest in sports and cultural events?**

College has two physical directors. Under their guidance the college teams earned several prizes at inter-collegiate, zonal and university sports meets. College also conducts college and state level sports meet.

The two physical directors in the college are:

1. Mr. P.B.Aditya Varma B.P.Ed, M.P.Ed, NIS(Diploma), M.Phil, PGDSM (PhD)
2. Ms. Sujatha Srinivas, B.P.Ed, M.P.Ed.

To encourage the students to accomplish their sports goals, the College has Indoor and Outdoor games and sports facilities.

**Games and sports centre timing:**

The centre is kept open from 07:00 am to 6:45 pm on all working days.

**Coaching camps:**

To nurture and to develop good commendable teams, coaching camps are arranged. Camps in Table Tennis, Throw ball, Cricket and Volleyball are conducted every year.

**Transportation:**

To encourage and to boost large participation in sports, free bus plies to the city after college hours at 6:00 pm every day.

**Incentives:**

Students representing the college teams in sports meets are presented with play kits, T.A. & D.A., cash prizes and Chairperson Trophy every year.

**Events:** College organizes an inter collegiate sport week every year.

**Cultural Activities:**



In order to encourage student innate talents the College Cultural Committee

conducts events like essay writing, debates, group discussions, general quiz, elocution, mimicry, extempore mock show, singing, skit, dance, singing. It gives an opportunity to the students to show their skill, display their leadership qualities and unleash their latent talents.

Every year College day, Traditional Day, Engineers Day, Techno cultural fest, Freshers day, Farewell parties, youth day and Alumni Day are celebrated where all the interested students get opportunity to unleash their hidden talents.

#### 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 has an advisory committee and the composition is:

1. Chairman: Principal
2. Convener: Senior faculty nominated by the Principal
3. Member Secretary: Librarian
4. Faculty Representatives: 12 members from different Disciplines.

The advisory committee advises the library in the purchase of books, journals and the improvement of library information services. Approval of the committee is essential for all developmental activities.

The significant initiatives that have been implemented by the committee to render better library services are:

- ❖ Arrangement of books and other reading materials in Classificatory Order. As per the recommendations of the committee all the books in the reference section are affixed with the Call Number, Spine Labels legibly printed and arranged by that number. The same procedure is being used for the books meant for circulation. The committee also recommended the journals, back volumes of journals. Student project reports to be arranged in a systematic order (Branch wise) for easy accessibility.
- ❖ The arrangement of books related to M.Tech. Programmes, separately Course wise in a prominent place for quick access.
- ❖ The library should be opened for extended hours up to 7 PM during the Examinations. The library is usually opened from 9 AM to 6 PM.
- ❖ As per the recommendations of the committee every student now gets the benefit of borrowing 4 books at a time for a period of 15 days. The faculty is allowed to borrow a maximum of 10 books for a period of 1 month.
- ❖ As per the recommendations of the committee a computerized reservation facility is extended to all the students where in the student can place a hold on a book through Library Intranet Online Public Access Catalogue and gets an email alert when the reserved book is kept waiting for him/her to collect.
- ❖ The committee also suggested to provide the Previous Question Papers in soft copy to the reader in the library. For this purpose, special software was developed in-house, customizing the existing Open Access Integrated Library Management System being implemented in the Library. This programme allows students to download in bulk; question papers selectively based on the user specified criteria and also email the zip file containing the question papers required for them.

##### 4.2.2 Provide details of the following:

\*Total Area of the Library (in Sq. Mts.): 1525 sq. m.

\*Total Seating Capacity: 400

\*Working Hours:

On Working Days: 9:00 A.M to 6 P.M,

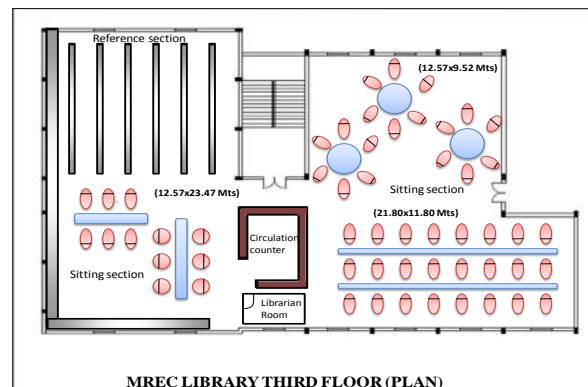
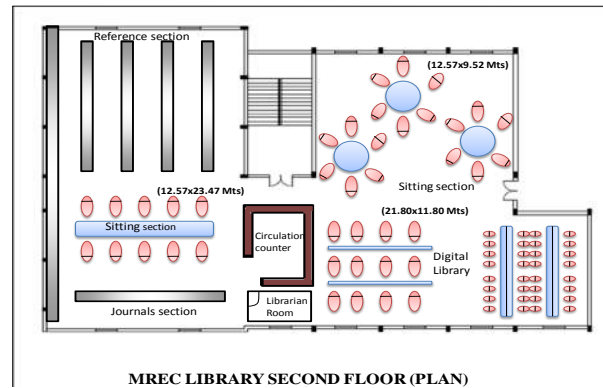
On Holidays 9 A.M to 1P.M,

During Examination Days 9 A.M to 7 P.M,

During Vacation: 9:30A.M to 4:30 P.M

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

Layout of the Library is displayed at the entrance of the library and the all above facilities are available.



**\*Access to the premises through prominent display of clearly laid out floor plan; adequate signage; fire alarm; access to differently abled users and mode of access to collection)**

The following measures are taken to ensure access to collection in the library:

- ❖ Prominently displayed signage boards help in the easy location of different journals and books.
- ❖ New arrivals of books are displayed on the Notice Board.
- ❖ Safety measures like Pest control, Dusting every day and fire extinguishers are provided.
- ❖ Special services to differently- abled users.
- ❖ Accessibility through Online Public Access Catalogue (OPAC).
- ❖ Open access to books and journals. Library kiosk is being implemented to provide access to the computer systems in the digital library.

#### 4.2.3 Give details of the library holdings

##### a) Print

**Books:** 6865 titles and **volumes:** 50456

**Journals:** 101 National Journals and 24 International Journals (Total: 125)

**Back volumes of Journals & Magazines:** 2902

**Student Project Reports:** 1046 UG; 235 PG (M. Tech.); 392 MBA; MCA 460

b) **Non Pint:** 35 audio Cassettes on English Language Teaching, etc.

##### c) Electronic: 971 free E-Books

- ❖ **ASTM Digital Library Subscription:** 1512 Special Technical Papers plus 114 Manuals, Monographs & Data Series & access to 8 e-Journals.
- ❖ Access to 116 Full-Text IEEE e-Journals including back runs starting from the year 2000 as part of IEEE All Society Periodicals Package Subscription.
- ❖ Access to (UGC – INFLIBNET) NLIST e-Journals of the 14 publishers around number 8464 in all subject areas.
- ❖ Access to 2939 Full Text e-Journals as part of J-Gate Engineering & Technology e-Journals subscription.
- ❖ 857 Student Project Reports in Soft Copy on CD/DVDs.
- ❖ NPTEL Video Lectures in MP4 format : 121 courses and 4385 lectures
- ❖ 3215 CDs/DVDs that accompany books, journals and magazines

**d) Special Collection:**

- ❖ 78 Code Books of Bureau of Indian Standards in Hard Copy
- ❖ 2628 reference books
- ❖ Access to good number of National & International Patents is provided through DELNET Membership.

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

\***OPAC** – Yes

\***Electronic Resource Management Package for e-Journals:** Yes, J-Gate

\***Federated searching tools to search articles in multiple databases:** Installed DBWIZ an open source Federated Search Tool and it is in the process of being implemented.

\***Library Web Site** – In the process of being designed and constructed

\***In-house/remote access to e-publications:** Library is equipped with necessary software for providing in-house access to e-books, NPTEL Video Lectures, Previous Question Papers in Soft Copy, Student Project Reports in Soft Copy. Various open source softwares such as Koha, dSpace, e-prints, caliber, VuFind are being utilized in the library for this purpose. For remote access to e-resources J-Gate is being used which provides a single platform for accessing both free and open access & paid journals being subscribed through various vendors in the library.

**4.2.5 To what extent is the ICT deployed in the library?**

\***Library Automation:** Complete in all respects along with bar coding of books and other reading materials. Koha: an Open Source Integrated Library Management System is used for Acquisition, Cataloguing, Circulation, Patron Management, Wizard based Report Generation, Web Based Staff Client and Web OPAC.

\***Total Number of computers for public access:** 20

\***Total Number of Printers for public access :** One Network Xerox cum Printer and one Ink-Jet Printer connected to a Debian Linux Server (Could also be utilized for printing remotely from a PC connected in LAN by logging into the Linux Server).

\***Internet Bandwidth speed :** 15 Mbps

\***Institutional Repository :** dSpace, an open source Digital Repository Management Software is being used in the library for managing digital repositories of Student Project Reports, Faculty Papers in digital form Published in various journals, Journal articles downloaded from IEEE, J-Gate, ASTM and other e-resources, etc.

\***Content Management System for e-learning:** MOODLE (Modular Object

Oriented Dynamic Learning Environment) – an open source e-learning software for providing online courses to the reader in the library.

\***Participation in Resource sharing networks/consortia:** The library is an institutional member of DELNET – A Developing Library Network, New Delhi from 2009 onwards. The membership is being renewed regularly every year. Through DELNET, library participates in Resource Sharing via Inter Library Loan facility. The Library uploads regularly its updated catalogue to the DELNET Online Portal for the purpose of sharing its resources with the other members of DELNET.

**4.2.6 Provide details**

\***Average number of walk-ins:** 315 per day

\***Average number of books issued/returned:** 185 per day

\***Ratio of Library books to students enrolled:** 11:1

\***Average number of books added during last three years:** 3519 (AY 2012-13; AY 2013-14; AY 2014-15)

\***Average number of login to OPAC:** 145

\***Average number of login to e-resources downloaded/printed:** 137

\***Number of information literacy trainings organized:** 6

**4.2.7 Give details on the specialized services provided by the library**

\***Manuscripts:** Nil

\***Reference:** Short range reference service is being provided to the readers in the library

\***Reprography:** Photocopy service is being extended to the students and staff in the library. A Xerox cum Printer is available in the library for this purpose.

\***ILL (Inter Library Loan Service)** Library Provides ILL service to other Libraries in the MRGL, in a limited way and also takes on loan books from other Libraries to serve the Faculty. Library participates in Resource Sharing through DELNET ILL facility.

\***Information Deployment and Notification:** students and staff are being notified through Library OPAC, explicit emails, Print Circulars etc. E-mail alerts are being sent to the students to notify them about the availability of the books that they have reserved. The reader can subscribe to the RSS feeds of the various search results through OPAC.

\***OPAC** – Students and staff are provided with access to OPAC through the systems available at Digital Library Section in the Library.

\***Internet Access:** In the Digital Library Section internet access enabled.

\***Downloads:** Allowed in the Digital Library Section for the students and staff  
 \***Printouts:** Provided on request  
 \***Reading list/Bibliography compilation:** Book Lists subject wise / department wise are generated through ILS and soft copy is being provided on request.  
 \***In-house/remote access to e-resources:** Library has equipped with necessary software for providing in-house access to e-books, NPTEL Video Lectures, Previous Question Papers in Soft Copy, Student Project Reports in Soft Copy. Various open source software such as Koha, dSpace, e-prints, calibre, VuFind are being utilized in the library for this purpose. For remote access to e-resources J-Gate is being used which provides a single platform for accessing both free and open access & paid journals being subscribed through various vendors in the library.  
 \***User Orientation:** An informal user orientation is being given to the students and staff for effective utilization of Library OPAC, J-Gate e-Journal Portal, ASTM, IEEEEXPLORE interface etc. for accessing various resources.  
 \***Assistance in searching databases:** Assistance is being provided for searching ASTM Digital Library Assets, searching e-Books database managed using Calibre.  
 \***INFLIBNET/IUC facilities:** Library extends access to INFLIBNET, NLIST e-resources to the staff and students.

**4.2.8 Provide details on the library budget and the amount spent for purchasing new books and journals:**

in Rupees

Particulars	2014-15		2013-14		2012-13	
	Budget Allocated	Amount Spent	Budget Allocated	Amount Spent	Budget Allocated	Amount Spent
Non-Recurring (Books and Stacks)	18,00,000/-	15,66,871/-	8,00,000/-	3,72,756/-	18,00,000/-	14,17,266/-
Recurring (Journals and E-Journals)	7,00,000/-	6,63,289/-	4,00,000/-	2,17,591/-	2,00,000/-	1,33,870/-
Grand Total	25,00,000/-	22,30,160/-	12,00,000/-	7,70,430/-	20,00,000/-	15,51,136/-

**4.2.9 Does the library get the feedback from its users? If yes, how it is analyzed and used for improving library servers:**

Feedback is taken once in every semester from the library and used to augment the library facility. The feedback forms are available to the users at the circulation counter. The library committee analyses and submits the report to the Principal for improving the facilities in the library.

**4.2.10 List the infrastructural development of the library over the last four**

**Years :**

- ❖ Subscription of online journal indexes: 2009
- ❖ IEEE – 2013
- ❖ ASTM- 2014
- ❖ Increase in the number of national and international journals since 2010.
- ❖ Providing NPTEL facility and e-material to the students since: 2010-11
- ❖ Extensions of issue counter since 2010-11
- ❖ Increase in the number of books, reference books, journals and news papers. Member in DELNET since 2008-09

Other infrastructure development details in the library for last four years are:

ITEM	2014-15	2013-14	2012-13	2011-12
Chairs-Digital Library	32	18	15	15
Chairs	400	250	120	120
Study Table	68	46	40	35
Book Racks	62	62	62	42
Almirah	10	8	5	5
Book Case	40	38	38	30
Extension counter	3	2	2	2
Computers	26	26	20	20
Periodical Racks	6	4	4	4

#### 4.2.11 Did the library organize workshop/s for students, teachers, non-teaching staff of the college to facilitate better library usage:

S.No.	Title of the Workshop	Duration	Date	Resource person	Staff/Stu dents
1.	How to access Gale Cengage Learning Infotrac engineering & Management Collection of e-Journals using its web interface	Every Day One Hour for One Week	09/09/2010	Mr. T Jogi Raju	Staff & Students
2.	Installation, configuration, adoption and customization of Koha : An Open Source Integrated Library Management Software in Academic Libraries	One Day	14/07/2011	Mr. T. Jogi Raju, Librarian, MREC	Library Staff of MRGI
3.	A workshop on DELNET	One Day	13/08/2012	DELNET	Staff & Students
4.	Creation of Institutional Repositories using DSpace : An Open Source Digital Library Management Software	One Day	26/09/2013	Mr. T. Jogi Raju, Librarian, MREC	Library Staff of MRGI & staff and students of MREC
5.	Advances in Library & Information Sciences – A panoramic View	One Day	02/08/2014	Sri V.V.V. Satyanarayana, Retired Manager, Technical Information Center, BHEL Corporate R&D	Staff
6.	online portal for accessing e-journals	One Day	08/11/2014	J-Gate	Staff

#### 4.3 IT Infrastructure

##### 4.3.1 Does the College have a comprehensive IT policy addressing standards on IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management?

The organization established a standard policy to evaluate, design, implement, maintain, and utilize the infrastructures. A committee has been framed to improve

the efficiency and the effectiveness in decision making. The committee's activities are aligned with academic as well as administrative needs. These services are reviewed at planned intervals to ensure continuing suitability, adequacy and effectiveness. The organization maintains appropriate regulatory bodies and network operators to guarantee the information security. The integrity of information is well maintained by allowing the authorized person to access the legal requirements and also continuous monitoring is done to avoid breaches of confidential information. All generic threats posed by computer hackers are addressed to protect information. The system administrator monitors the log user accesses remotely, to identify the unwanted actions by other people. Internet services use web filtering, content filtering and gateway antivirus in order to restrict the access of unwanted websites. The purchase committee of the department adheres to the terms and conditions of the license agreement of IT resources and software. Open Source softwares are also considered on equal footing. Condemnations of electronic materials are identified based on obsolescence and replaced periodically.

##### 4.3.2 Give details of the College's computing facilities (hardware and software).

\***Number of systems with configuration:** 1458, Intel core i3, 4 GB RAM.

\***Computer-student ratio:** UG-1:4, PG- 1:2

\***Dedicated computing facility:** 4 Computer centers with 60 systems each.

\***LAN facility:** all the computers are connected through LAN

\***Wi-Fi facility:** YES, entire campus is Wi-Fi enabled

\***Propriety software / Open source software:** YES

Details of department wise software:

Department	Legal Software	Open Source software
EEE	PSPICE	MASAM
	MATLAB	
ME	CFD	Free CAD
		Open FOAM
ECE	CADENCE TOOLS	XILINX
	MATLAB	MASAM
	MULTISIM	KEIL
		MODELSIM
		LINUX DAEMON V 5.0
		OPENCV
	GCC COMPILER	



CSE	Window server 2003 R@X32 licensed covers under MSDN pack	LINUX operating system Java (JDK1.5) FREEWARE/OPEN SOFTWARE JAVA(jdk) software bean development Firefox, kit(BDK) software, Eclipse IDE XML editor like Altova Xml-spy [www.Altovva.com/XML Spy-free], Stylus studio
	Windows XP Professional	Linux operating system Acrobat reader FREEWARE
	MS SQL server 2008	My SQL 5.61 Version Freeware
	Micro soft visual studio 10.0 EE	Linux operating system with data mining weak tool
	MS Office 2007	Linux operating system, or ubuntu operating system open office
	ELCS lab software, K-Van solutions	K-lite codec pack v.3.1.5, freeware from <a href="http://www.winsite.com/">http://www.winsite.com/</a>
	IBM Rational rose	
	Oracle 10g	Linux with oracle
	Turbo c++	Linux or ubuntu operating system
	Kaspersky antivirus Anti-virus 2013 for 1000 users	kaspersky antivirus Anti -virus 2014 free download for trail version only 1 month validity
IT	Borland Turbo c++ suite	MYSQL 5.5
	Microsoft Dreamspark	FEDORA 14.2.0
	Weka 3.6.8	JDK 5.0
	Altova XML spy	JDK 5.0
		sun java wireless toolkit

\*Number of nodes/ computers with internet facility: 650 systems with internet facility

\*Any other

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

The expert committee recommendations on IT infrastructure, upgradation and maintenance. The following policy is applied by the Institution.

- ❖ The systems are upgraded when the situation demands like change in the syllabus and when hardware gets obsolete.

- ❖ Generally systems with warranty are purchased. As soon as warranty expires the systems are maintained by our own qualified technical staff.
- ❖ Updating, deployment and maintenance of systems is met from the budget allocated to each department depending upon the necessity.

#### 4.3.4 Give details on access to online teaching and learning resources and other knowledge, and information provided to the staff and students for quality teaching, learning and research.

Internet and Wi-Fi are accessible to all in the campus. The members of the faculty optimally utilize Electronic Resource facilities for teaching-learning process. The members of the faculty encourage students to have online access and use of video lessons such as NPTEL and online journals through e-LSDM & GEMS, J-Gate, e-portal of MREC etc. not only in library it can be viewed in department also.

#### 4.3.5 Give details on the ICT enabled classrooms/learning spaces available within the College and how they are utilized for enhancing the quality of teaching and learning.

S.No	ICT Facility	Numbers
1	ICT enabled class room (LCD Facility)	64
2	ICT enabled seminar halls/e-class room	8
3	ICT enabled conference halls	2
4	ICT enabled (Virtual class room/online classes/video conferencing )	1
5	ICT enabled auditorium	2

- ❖ The traditional chalk and talk method of teaching is supplemented with ICT facility by all the departments.
- ❖ All the computer laboratories are provided with internet facilities where students can access online resources apart from a digital library provided with access to online journals.
- ❖ The online journals are also made available to all the faculty and students through intranet in order to promote quality in teaching learning process and research. Seminar presentations are made part of the assessment process.

**4.3.6 How are the faculty facilitated to prepare computer aided teaching-learning materials? What are the facilities available in the College or affiliating University for such initiatives?**

- ❖ All the class rooms and head of the department room are provided with LCD projectors.
- ❖ Faculty rooms are equipped with computer, printers, scanner and internet connectivity. Lectures are prepared wherever necessary through power point presentations.
- ❖ Video cassettes, CDs, NPTEL video, journals on different topics are available for preparing lecture material.

**4.3.7 How are the computers and their accessories maintained? (AMC, etc.)**

Qualified technical assistants are provided to every lab. Centralized server rooms with six system administrators take care of the systems and non functional items are replaced and data protection, maintenance besides providing internet services. To cope with the storage of data highly configured systems are put in place. The college hires 80 Mbps internet connectivity to support digital library besides all other requirements in the labs, of the faculty and the students. All systems in the campus are connected through LAN.



**4.3.8 Does the College avail of the National Knowledge Network connectivity directly or through the affiliating University? If so, what are the services availed of?**

Yes. The college avails of the National Knowledge Network support through the following:

- ❖ Affiliating university JNTUH, Hyderabad and Globberana together supply “e-LSDM & GEMS”
- ❖ Inter library loan facility is available through DELNET as resource sharing.

**4.3.9 Provide details on the provision made in the annual budget for update, deployment and maintenance of the computers in the College?**

Systems are upgraded when the situation demands like change in the syllabus, when hardware gets obsolete. Updating, deployment and maintenance of systems is met from the budget allocated to each department depending upon the necessity.

Details of the Budgetary allocation and utilization made in last four years are :  
In Rupees

Particular	2014-15		2013-14		2012-13	
	Budget Allocated	Amount Spent	Budget Allocated	Amount Spent	Budget Allocated	Amount Spent
Computer maintenance and Purchase of new computers	25,00,000/-	24,06,801/-	6,50,000/-	5,99,707/-	3,50,000/-	2,20,085/-

**4.4 Maintenance of Campus Facilities**

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

Yes, the college has separate administrative officer for overseeing maintenance of building, class-rooms and laboratories supported by supervisors and non teaching staff.

**Civil work:** Building construction and maintenance is taken care of by administrative officer and four works supervisors. The responsibilities of this wing include periodical maintenance and repairs of the buildings, alongside planning and construction of new buildings.

**Electrical work:** The department of quality maintenance and technical services takes care of the power supply arrangements, installation and maintenance. This department also takes care of the costly equipments with leading service agencies. This wing is headed by a well experienced Executive. It is manned with a maintenance engineer and three electricians. Responsibilities of this wing are to provide uninterrupted power supply, maintenance of all electrical installations, generator, campus lighting etc.

**Cleanliness:** Cleanliness of the class rooms, tutorial rooms, seminar halls and laboratories and campus are maintained by administrative officer, one supervisor for each block and 35 workers. Disposing all the waste material on a daily basis

with the help of sufficient man-power. Each block is provided with toilets in each of the floors for boys, girls and faculty separately. All the toilets are cleaned every day.

**Greenery:** Landscaping and greenery is maintained by a qualified and experienced horticulturist. This provides the necessary cooling effect to the eyes and minds of staff and students that stimulates the academic environment.

**4.4.2 Does the College appoint staff for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained? Give details.**

Yes, College has appointed a regular maintenance staff for repairs.

- ❖ Maintenance is attended within the college maintenance staff like plumber, carpenter, electricians and gardeners etc.
- ❖ Major repairs and maintenance are carried out under AMC for different equipment by respective agencies.

*Any additional information regarding Infrastructure and Learning Resources, which the institution would like to include.*

**CRITERION V:**

**STUDENT SUPPORT AND PROGRESSION**

## STUDENT SUPPORT AND PROGRESSION

### 5.1 Student Mentoring and Support

#### 5.1.1 Does the College have an independent system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes, the college has independent student support and mentoring system.

- ❖ Student mentoring is an integral part of the college academic programmes and the departments undertake various programmes/activities to ensure that students are adjusted well to the college learning environment, and gain as much knowledge as possible.
- ❖ College provides academically supportive environment to the students with enthusiastic faculty who continuously motivate the students' progression.
- ❖ A group of students are attached to a faculty member after admission in to course to follow up their progress in studies as well as provide necessary emotional support in case of slow learners or those having difficulty in adjusting to the new environment under mentor – mentee programme.
- ❖ The faculty member is in continuous contact with the students as well as their parents throughout their course of study for guidance and advice in building up their career.
- ❖ Faculty is working sincerely to meet the requirements of different categories of students which include urban, rural, differently abled, and economically/socially weaker sections.
- ❖ The Placement cell operates to take care of the employment opportunities to eligible students and offers personality/skill development training programmes. Career related orientation programme and student counseling through professional counselor is arranged.
- ❖ The Physical Directors work hard from day one to identify the students' talent in sports and games and encourage them to excel in that field.
- ❖ The suggestions from alumni and industry also help in designing a new facility or improving upon the existing facilities to make the institution more student centric for a better multi-directional performance.
- ❖ General and motivational talks by leading personalities in the society are arranged to foster ethical and value based culture among students.

#### 5.1.2 What provisions exist for academic mentoring apart from class room work?

- ❖ Students are encouraged to take part in various academic/co-curricular learning activities, apart from classroom interactions.
- ❖ Special care is taken about the students who get less marks in the Internal Tests and are trained individually.

- ❖ Remedial classes are arranged for slow learners. Student chapters of professional societies help students in career building.
- ❖ Bridge course for first year and lateral entry students especially in analytical subjects is arranged.
- ❖ Technical test, mock interview, aptitude test and company specific training are arranged for final and pre-final year students which help them to take up placement and higher studies.
- ❖ Publication of technical papers and news letter.
- ❖ Encouraging students to take up industry based Mini Projects to improve their technical skills.
- ❖ The students are permitted to do the experiments in lab beyond the class hours.
- ❖ Conduct of competitions, participation in curricular, co-curricular activities.
- ❖ Encouraging students to take up internships.

#### 5.1.3 Does the College provide personal enhancement and development schemes for students? If yes, describe techniques employed e.g., career counseling, soft skill development, etc.

The college provides the following personal enhancement and development schemes for the students.

**Entrepreneurship and development cell (EDC):** This cell is established for continued interaction with industry for academic and employment enhancement of students in order to train them to become job providers.

**Industry Institute Interaction cell (III cell):** This cell is established with a motto to bridge the gap between the student and industry. I.I.I cell in consultation with respective departments organizes guest lectures and seminars by inviting the experts from the industry.

**Finishing school:** A finishing school on campus is training students to make them industry-ready with necessary skills.

**Placement cell:** Placement cell provides training to eligible students for campus placements through mock interviews, group discussions, quantitative aptitude, analytical reasoning etc. and providing opportunities to students by conducting campus recruitment drives. Full time trainers are appointed and the CRT period is included in the time table and also the trainer arranges special classes in summer break.

**Industrial visits:** Industrial visits are arranged for the benefit of the students.

**Innovation:**

“AKSHARA” A Two Day Techno Cultural fest is organized every year where students from all over the state participate and present their technical papers. Also “VISHESH” one day model presentation and exhibition are conducted to explore their creativity and innovative skills in a competitive way every year.



**Communication Development:** English Language Communication Skills Lab and Advanced English Communication Skills Lab are included in the UG Curriculum to improve communication Skills.

**Social Activities:** An NSS Unit also functions in the college to generate a sense of voluntary service towards societal needs among the student community.

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

The college publishes annually an updated **hand book** and the same information is also available through the college website.

The hand book includes:

Vision and Mission of the Institution, Academic Regulations, Curriculum and syllabi, Method of Evaluation, Attendance Requirements, Minimum Academic Requirements, Course Educational Objectives, Course Outcomes, course files and end semester model question papers of various courses offered.

The **Information Brochure** includes:

Vision and Mission of the Institute, College History, Academics, and Programmes offered in UG & PG departments, Life on Campus, Sports and Cultural Activities, College Placement, Achievements of the institution, Facilities available in campus

The **Prospectus** of the college is also available in college website.

**5.1.5 Specify the type and number of scholarships / free ships given to students (UG/PG/M.Phil/Ph.D./Diploma/others in tabular form) by the College Management during the last four years. Indicate whether the financial aid was available on time.**

The students are presented certificate of merit, cash prize and a memento for the best performance / grades obtained in academics.

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

- ❖ Financial aid of Rs 8,000/- per month is given to M.Tech Students through TEQIP –II: (15%)
- ❖ GATE: 37 of 489 (7.56%)
- ❖ Social welfare (Fee reimbursement): 2685 students out of 4320 (62.15%)

**5.1.7 Does the College have an International Student Cell to cater to the needs of foreign students? If so, what measures have been taken to attract foreign students?**

There is no admission in the category of PIOs hence special efforts in this direction are not initiated.

**5.1.8 What types of support services are available for**

\* **Overseas students** : There is no admission in the category of PIOs hence special efforts in this direction are not initiated.

\* **Physically challenged / differently abled students:** Assistance for Physically Challenged Students is given whenever needed in the campus, Fee reimbursement is leveraged as per the state govt. reimbursement scheme.

\* **SC/ST, OBC and economically weaker sections:** The students belonging to SC/ST/OBC/Economically weaker students avail the Scholarships /freeships provided by the Government. Special coaching is given to SC/ST students

\* **students to participate in various competitions/ conferences in India and abroad:** Encouragement is given to students to participate in conferences and Technical Symposia by means of travel concessions, academic flexibility, attendance relaxation, Free transport etc. This helps the students to keep in touch with the recent developments in their concerned fields.

\* **health centre, health insurance etc. :** An exclusive health center in the campus is available with qualified medical officer and nurse on duty. It is equipped with two beds and other relevant amenities to meet the first aid requirements. Medicines are given to the students at free of cost for routine complaints. In case of emergency, the ambulance and other facilities required are provided in Malla Reddy Hospital, which is a sister institute located near by the college. The College has a multi-station gym to maintain fitness and good health and a wide range of out-door and in-door sports facilities.

\* **skill development (spoken English, computer literacy, etc.) :**

- ❖ English Language and Communication skills Lab and Advanced English Communication skills Lab are included in UG Curriculum to improve communication Skills.
- ❖ Training and placement cell offers employability enhancement training programmes in co-ordination with leading market players.

- ❖ Special short term certification courses are conducted.
- ❖ Students are encouraged to participate in workshops where model design and fabrication are to be presented there by enriching hands on experience.
- ❖ Finishing school concept to make students industry ready with requisite skills.

\* **performance enhancement for slow learners / students who are at risk of failure and dropouts** : Slow learners are identified through slip tests conducted after 3 weeks of the commencement of the class work every semester and then Remedial Classes are arranged. The dropout rate is almost negligible (less than 1%).

- ❖ Make-up classes are arranged specially for those who were detained due to lack of credits.
- ❖ A team of counselors have been nominated to look into the academic improvement of slow learners.
- ❖ For clarification of doubts before the examination, the college works for an additional time from 4:30 to 5:30pm for about two weeks.

\* **exposure of students to other institutions of higher learning/ corporate / business houses, etc.:**

- ❖ Students are encouraged to present Papers in Conferences organized by premier Institutes in the state and country.
- ❖ Students are encouraged to participate in Technical Events for gaining latest advancement in Technology.
- ❖ Industrial visits are arranged to expose the students to the industrial practices.

\* **publication of student magazines**

- ❖ A newsletter covering various activities of faculty and students is released half yearly.
- ❖ “AKSHARA” a Two Day Techno Cultural fest is organized and papers presented by students are brought in the form of proceedings.

**5.1.9 Does the College provide guidance / coaching classes for Civil Services, Defense Services, NET/SLET and any other competitive examinations? If yes, what is the outcome?**

At the moment these services are not offered as there are no representations. College administration / management are ready to provide the facility as and when required. In addition to that, personal counseling is given for the students who are interested in the above mentioned areas through placement cell.

**5.1.10 Mention the policies of the College for enhancing student participation in sports and extracurricular activities through strategies such as**

\* **additional academic support, flexibility in examinations**

- ❖ Attendance exemption is given to the participants.
- ❖ Special academic classes are arranged if needed
- ❖ Coaching programmes are offered to the identified sports persons to hone their skills enabling them to compete at higher levels.
- ❖ Free transport is provided to the sports persons facilitating more time for play in the campus.
- ❖ Flexibility to sports persons by conducting special internal examination whenever needed.

\* **special dietary requirements, sports uniform and materials:** College provides necessary sports material and uniform to participant sports students.

\* **Any other** : Nil

**5.1.11 Does the College have an institutionalized mechanism for placement of its students? What services are provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?**

A full fledged placement cell functions under the guidance of Training and Placement officers. It invites companies to the campus for campus placement drive. It also helps in training the students in various job ready skills like personality development, communication, group discussion, interview skills and aptitude. Company specific training is conducted before the campus drive to final year students. Entrepreneurship development cell organizes programmes and arranges talks by eminent entrepreneurs to motivate young students. Internships are arranged in industries during their summer/semester break.

**5.1.12 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus annually for the last four years).**

**Academic year 2014-15**

S.No.	Company	CE	EEE	ME	ECE	IT	CSE	MBA	MCA	TOTAL
1	Tech Mahindra	4	12	10	8	2	6			44
2	NTT Data				1	1	4			6
3	Virtusa						2			2
4	Mphasis				1	1	1			3
5	IGATE		5		2	3	1			11
6	CELIGO						1			1

S.No.	Company	CE	EEE	ME	ECE	IT	CSE	MBA	MCA	TOTAL
7	IBM		1			1	1			2
8	HCL				3		8			
9	BEAM Telecom Pvt. Ltd.						1			1
	TOTAL	4	18	10	15	8	25			79

Academic Year: 2013-14

S.No.	Company	CE	EEE	ME	ECE	CSE	MBA	MCA	TOTAL
1	Tech Mahindra		4	4	14	2			22
2	NTT Data					6			6
3	L&T InfoTech				2	1			3
4	Virtusa				2	2			4
5	HDFC Bank						3		3
6	Semantic Space/Prolific				2	1			3
7	InfoTech			2					2
8	IBM				1				1
9	Genpact		1		2	8			11
10	Tech Mahindra – Tech Support				1				1
11	TCS				8				1
12	ICICI Prudential Life Insurance		1		1				2
13	MRF		1	2					3
14	Apps Fobb.com							3	3
15	Indian Army	5	2	5	2	3			17
16	Global Edge Software Technologies Pvt. Ltd.				1	1			2
17	Sutherland Software Pvt. Ltd.				3	2			5
18	Cadeploy Engineering Pvt. Ltd.	2							2
19	Knoah Solutions					1			1

S.No.	Company	CE	EEE	ME	ECE	CSE	MBA	MCA	TOTAL
20	Iatros Health Care				1				1
21	SAVE ROADLINES						2		2
22	HSBC						1		1
23	KARNATAKA BANK						1		1
24	Bank of america						2		2
25	V LOGISTICS						1		1
26	ADP						1		1
27	ITPLEXUS					1			1
28	HCL BSERV		1	2					3
29	Aparna						1		1
30	COGNIZANT		1		2	2			5
31	AMAZON			1	1				2
32	IBM GPS				1				1
33	ANATH TECHNOLOGIES			1					1
34	SANDILYA CONSULTING PVT. LTD.		1						1
35	Google		1						1
36	Digital Minds Solutions		1						1
37	DCS Securities					1			1
38	TCS					1			1
39	Magas Software Solutions					1			1
40	PE Data Solutions					1			1
41	Platinus Technologies					1			1
42	Colossus 360					1			1
43	Zaki & Associates		1						1
44	Prime Soft Solutions							1	1
45	Prisam		1						1
46	Panzer Technologies		1						1
47	L & T Metro			1					1
48	HCL			1					1

S.No.	Company	CE	EEE	ME	ECE	CSE	MBA	MCA	TOTAL
49	WIPRO				2				
50	UNISYS				3				
51	RANDSTAD				1				
	<b>Total</b>	<b>7</b>	<b>17</b>	<b>19</b>	<b>50</b>	<b>36</b>	<b>12</b>	<b>4</b>	<b>145</b>

Academic Year : 2012-13

S.No.	Company	CE	EEE	ME	ECE	CSE	MBA	MCA	TOTAL
1	AGS Technologies					2			2
2	Unisys				1	1			2
3	InfoTech			1					1
4	InRythem Solutions Pvt. Ltd.				1	1			2
5	Sutherland Global Services Pvt. Ltd.	1	1		3	1			6
6	Global Edge Software Solutions Pvt. Ltd.				2				2
7	Accenture			1	1	5	3		10
8	Global Takeoff					1			1
9	Sunmarg Soft Tech					1			1
10	IBM					1			1
11	Genpact				1	1	1	1	4
12	AM Signaling		1						1
13	Wipro					1			1
14	Sun Beam Technologies					1			1
15	Dell International					2			2
16	Tata Business Support Services		1						1
17	Future Clearing Resources Pvt. Ltd.		1						1
18	IBM		1						1
19	DCS Labs				1				1
20	TCS				1				1
21	Adepto Geoinformatics	1							1
22	Gammon India	1							1
23	SEW Infrastructure	3							3

S.No.	Company	CE	EEE	ME	ECE	CSE	MBA	MCA	TOTAL
24	RVR Infra & Projects Ltd.	1							1
25	Manjeera Constructions Pvt. Ltd.	1							1
26	My Home Constructions	1							1
27	Techno Futura Pressure Valves			1					1
28	Bharath Earth Moras Ltd.								1
29	Hindustan Shipyard Ltd.								1
30	Cognizant						1		1
31	Yash Technologies						1		1
32	HDFC Bank						1		1
33	Muthoot Finance Company						1		1
34	Amphus Technologies						1		1
35	Cognizant Technology Solutions						1		1
36	Fortune Motors Pvt. Ltd.						1		1
37	Amori Technologies						1		1
38	Captor Software Solutions						1		1
39	GV Technologies							1	1
40	HDFC BANK						1		1
41	CSC INDIA LTD.								1
42	Valco Chemicals		1						1
43	OPTIMA Ics				1				1
44	AMPUS TECHNOLOGIES				1				1
45	AMAZON				1				1
46	Cognizant				1				1
47	Cadsys India Ltd.				2				2
48	Planet IT Solutions				1				1
49	Value Labs				1				1
50	Trinity Adv Software Labs Pvt. Ltd.							1	1
51	Vcentric Technologies							1	1



	Pvt. Ltd.									
52	Kotak Mahindra							1	1	
53	Magnaquest Technologies Pvt. Ltd.							1	1	
54	Bitwise Global IT Solutions							2	2	
55	Enoch IT Services Pvt. Ltd.								1	
56	AP Transco								1	
57	HSBC						1		1	
58	Deloitte						1		1	
59	Wells Fargo						1		1	
60	Aryan IT				16					
	TOTAL	9	6	3	41	18	17	8	102	

Academic Year: 2011-12

S.No.	Company	CE	EEE	ME	ECE	IT	CSE	MBA	MCA	TOTAL
1	DALMIA	1								1
2	GMR INTERNATIONAL AIRPORT PVT. LTD.				3					3
3	HCL COMNET		1		7	2				10
4	IBM BPO	1				4				5
5	IFB INDUSTRIES		1	1						2
6	INFOSYS				1	1	4			6
7	INFOTECH ENTERPRISES			1						1
8	IQ CHANNELS					1	1			2
9	IT PLEXUS							2		2
10	KEAN INDIA PVT. LTD.				1	1	4			6
11	MEGA ENGINEERING INFRASTRUCTURE LTD.						1			1
12	MERCHANT NAVY		2	3	8					13
13	ORACLE					1				1

S.No.	Company	CE	EEE	ME	ECE	IT	CSE	MBA	MCA	TOTAL
14	SAMSUNG		1							1
15	SERCO GOOGLE				1	1	1			3
16	SERVO MAX		1							1
17	STRATAGEM GROUP							3		3
18	SYNTEL				1		1			2
19	TECH BRIVO SOFT TECH PVT. LTD.				2	4	6		2	14
20	TERADATA						1			1
21	VIJAYA ELECTRICALS		2							2
22	WIPRO		1		6		6			13
23	MULTI POWER LINES						1			1
24	AHAMASMI MEDIA						1			1
25	GOOGLE MAP					5	5			10
26	NCR						1			1
27	AMAZON			1	1		1			3
28	SAI STRUCTURE						1			1
29	UNISYS				1					1
30	BHEL		1							1
31	GENPACT		1							1
32	KOLORS		1							1
33	MAHINDRA AND SATYAM				1					1
34	C3I JOHNSON & JOHNSON					1				1
35	BIRLA SOFT					1				1
36	HPCL			1						1
37	TATA			1						1
38	WALMART			1						1
39	MEENAKSHI STRUCTURE PVT. LTD.	1								1

S.No.	Company	CE	EEE	ME	ECE	IT	CSE	MBA	MCA	TOTAL
40	SEW PVT. LTD.	1								1
41	MODI PROPERTIES	1								1
42	MANIKANTHA CONSTRUCTIONS	1								1
43	LUXUSINDIA PVT. LTD.	1								1
44	Mahindra Satyam				1					1
45	Indus Towers Pvt. Ltd.	1								1
46	Royal Gate			1						1
	<b>TOTAL</b>	<b>8</b>	<b>12</b>	<b>10</b>	<b>34</b>	<b>22</b>	<b>35</b>	<b>5</b>	<b>2</b>	<b>128</b>

Academic Year: 2010-11

S.No.	Company	CE	EEE	ME	ECE	IT	CSE	MBA	MCA	TOTAL
1	Mahindra Satyam & Tech Mahindra		2		5	1	4			12
2	Dell International				4	1	4			9
3	HCL				2					2
4	Apps Associates				3		1			4
5	Infosys				3		2			5
6	Wipro				3	1	2			6
7	24/7				1					1
8	Karvy				1					1
9	CMC				1					1
10	Qeamcomm Pvt. Ltd.				1					1
11	GVK						1			1
12	Amazon		2	1						3
13	BHEL			1						1
14	Asian Motors			1						1
15	Maruthi Suzuki			2						2
16	MTAR			1						1
17	PA hydraulics			1						1
18	Puzzolana Pvt.			1						1
19	Vijaya Tanks Pvt. Ltd.			1						1

S.No.	Company	CE	EEE	ME	ECE	IT	CSE	MBA	MCA	TOTAL
20	Tata			1						1
21	Unisys			1						1
22	Napier Healthcare Solutions					1				1
23	Open Text Corporation					1				1
24	Genpact					1				1
25	SITEL India Pvt. Ltd.					1				1
26	Oceanship Merchant Navy		5							5
27	Indian Army		2		2					4
28	Omega Maritime Management Pvt. Ltd.		3		1					4
29	Cognizant Technologies		1							1
30	Satyam		2							2
31	GVK		1							1
32	Genpact							2		2
	<b>TOTAL</b>		<b>18</b>	<b>11</b>	<b>27</b>	<b>7</b>	<b>14</b>	<b>2</b>		<b>79</b>



1. Pre-Placement Talk at Auditorium Hall by Ramky Executive.

2. Presentation by Ramky. 3. Pre placement talk by Executive GMR Group Ltd..



1. Group discussion at Dell International drive. 2. Certificate verification by HCL team, 3. Personal interview round by IBM, HR –Head

**5.1.13 Does the College have a registered Alumni association? If yes, what are its activities and contributions to the development of the College?**

Yes, the college has a registered alumni association. Activities and contribution to the development of the college are as follows:

- ❖ Maintaining alumni data base. They are invited for the alumni meet conducted every year.
- ❖ Institute invites alumni to give guest lectures and interact with students to enhance the knowledge & skills of the students.
- ❖ The Alumni guide the students in placements and higher studies.
- ❖ Alumni feedback and suggestions are considered in framing the curriculum under autonomous mode of study.

**5.1.14 Does the College have a student grievance redressal cell? Give details of the nature of grievances reported and how they were redressed.**

Complaints and Grievance Redressal Committee is in existence that actively interacts with the students to help them sort out their grievances. It attends to both registered and unregistered grievances of the students with the support of the other faculty members. Students are free to share their grievances with the Class Advisors and the Principal. The Grievance Redressal Committee undertakes the processes of attending to the grievances put forward by the students and staff. It focuses its attention on setting proper facilitation procedures for settling the issues in a cordial atmosphere. The committee initiates proper or appropriate enquiry or investigation and within 24 hours from the receipt of the complaint in written form duly signed by the complainant. Necessary action is taken after the issues are discussed in the concerned cell.

**5.1.15 Does the College have a cell and mechanism to resolve issues of sexual harassment?**

Women Protection Cell exists in the college. The cell aims at resolving any harassment of women in the college premises. The complaints are registered with the coordinator or any of the members of the cell. Complaints can be given either in sealed covers or by sending email or personal representation either to the coordinator or members of the cell. Identification of the people who have lodged the complaint is essential, but will be kept confidential if necessary. An enquiry committee will be formed which will address the grievances reported. Action will be taken based on the enquiry committee report.

Till date, no such case of sexual harassment has been reported in the institution. Continuous vigilance by College authorities/committee members has prevented sexual harassment of women students.

**5.1.16 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, there is an anti-ragging committee existing in the college. The composition of the committee includes, principal being the chairman, secretary, senior heads of departments, certain senior faculty members. Any matter reported to the committees is resolved immediately. However, no serious incident has been reported.

**5.1.17 How does the College elicit the cooperation from all stakeholders to ensure overall development of the students considering the curricular and co - curricular activities, research, community orientation, etc. ?**

Feedback from **students** is taken every semester on curriculum development and teaching. Based on the feedback, the Head of the Department and the Head of the Institution initiate suitable remedial actions. The college has industrial interaction through Memorandum of Understandings (MOUs) with various **industries** to upgrade and to ensure the development of the students for better employability. Suggestions from **recruiters, alumni** members & other stakeholders are considered in modifying the syllabus by the Boards of Studies and members of the Academic Council. **Subject experts** from industries are appointed as members of statutory bodies like Boards of studies, and Academic Council, who participate in the process of framing and fine tuning the curriculum. Every department is actively involved in organising at least one conference, Faculty Development Programmes and seminars/workshops for the benefit of the staff and students. Research and Development cell (R&D) will motivate and promote the research activities. **Parent's** suggestions are also considered in community orientation.



Two day workshop on Engineering Drawing for students



National Conference by Civil and Mechanical Department

**5.1.18 What special schemes/mechanisms are in place to motivate students for participation in extracurricular activities such as sports, cultural events, etc?**

- ❖ Every department has its own Professional student chapters which conduct various curricular and extra-curricular activities.
- ❖ The college organises sports activities and the winners are encouraged during the college day and sports day.
- ❖ College day, techno cultural fest, traditional day, Engineers’ day are organized every year.
- ❖ Cash awards are given to the **best out going students** every year during the college day

In addition to the above mentioned motivating policies, the institution also supports the students through the following means

- ❖ Provide support for transportation
- ❖ Attendance relaxation

**5.1.19 How does the College ensure participation of women in ‘intra’ and ‘inter’ institutional sports competitions and cultural activities? Provides details of sports and cultural activities in which such efforts were made?**

The institution equally encourages boys and girls to participate in intra/inter institutional sports competitions and cultural activities. No bias is shown in this regard. Many women students have participated in various events and they have won honors and awards. College is organizing separate sports events for girl under the guidance of lady physical director.

The List of some of the Top Achievers is furnished below.

S.No	Name and Roll No.	Branch	Achievement	Venue
1.	N.Bhagya Lakshmi 13J41A0435	ECE	Hand Ball University Represented	Periyar University
2.	P. Vaishnavi 13J41A0559	CSE	Swimming, University Represented	Bangalore University
3.	Rubeena 12J41A05N6	CSE	Fencing, University Represented	Punjab University
4.	Suma Madhuri 11J41A04A5	ECE	Chess	VJIT State Level Inter engineering college tournament Runner up
5.	Mounika 11J41A1220	IT	Carrom	VJIT State Level Inter engineering college tournament Runner up
6.	Panchakshari 13J41F0034	MCA	Judo, University Represented	Gurunanak dev University, Amritsar

**5.2 Student Progression**

**5.2.1 Provide details of programme-wise success rate of the College for the last four years. How does the College compare itself with the performance of other autonomous Colleges / universities (if available)**

Year wise success rate of different departments

Name of the Programme	Name of the Course	Academic Year	No. of student appeared	No. of student passed Within the course period	Completion Rate
UG	CE	2010-14	127	100	99.19
		2009-13	123	81	97.56
		2008-12	62	51	94.03
		2007-11	32	27	90.63
	EEE	2010-14	144	124	99.29
		2009-13	114	88	96.83
		2008-12	61	51	92.42
	ME	2007-11	60	53	91.80
		2010-14	138	105	95.65
		2009-13	112	67	96.15
		2008-12	69	53	98.57
	ECE	2007-11	19	15	92.05
2010-14		139	116	97.84	

		2009-13	124	94	96.90
		2008-12	126	111	97.71
		2007-11	117	101	89.68
	CSE	2010-14	123	101	99.19
		2009-13	113	80	92.44
		2008-12	132	114	96.21
		2007-11	94	90	97.85
	IT	2010-14	-	-	-
		2009-13	-	-	-
		2008-12	60	51	96.77
2007-11		32	28	96.67	
PG-M.Tech.	Structural Engg.	2010-12	9	8	88.89
		2011-13	14	11	100
		2012-14	18	11	100
	Control Engg.	2010-12	19	18	94.74
		2011-13	-	-	-
		2012-14	11	9	100
	Control Systems	2010-12	23	21	95.65
		2011-13	14	10	92.86
		2012-14	29	25	100
	Thermal Engg.	2010-12	15	15	100
		2011-13	18	13	94.44
		2012-14	16	15	100
	DS&CE	2010-12	18	13	88.89
		2011-13	15	15	100
		2012-14	30	21	100
	CSE	2011-13	16	15	100
		2012-14	42	33	100
	CSE(CS)	2012-14	23	13	100
	VLSI	2012-14	16	7	93.75
	MBA	2010-12	59	59	100
2011-13		55	45	94.83	
2012-14		164	142	97.62	
MCA	2009-12	47	44	97.87	
	2010-13	53	53	100	
	2011-14	53	50	98.34	

- ❖ Performance wise the college compares well and almost it is ahead of rest of the autonomous colleges in the region
- ❖ Largely it is observed that higher percentages of students are proceeding for further studies.

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

Students progressing to higher studies in percentage

Student Progression	Dept.	2010-11	2011-12	2012-13	2013-14
UG to PG	CE	40	45	50	45
	EEE	45	50	55	68
	ME	42	36	34	43
	ECE	25	28	30	35
	CSE	42	46	58	67
PG to PhD	IT	14	27		
	CE	6	0	0	0
Campus Selection	ECE	1	2	1	1
	CE	20	15	10	10
	EEE	32	33	38	42
	ME	22	18	22	35
	ECE	27	31	39	44
	CSE	33	42	48	51
	IT	12	37		
Other than campus recruitment	MBA	25	28	31	40.2
	MCA	12	11.5	13	16
	CE	40	40	40	45
	EEE	30	30	35	38
	ME	29	32	38	41
	ECE	40	30	23	15
	CSE	23	31	36	39
	IT	20	15		
	MBA	16	19.2	21.5	33.6
	MCA	9	11	16	19

**5.2.3 What is the Programme-wise completion rate/dropout rate within the time span as stipulated by the College/University?**

UG Programme - Average completion rate in each department is 96%  
 PG Programme - Average completion in each department is 94%

**5.2.4 What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOEFL / GMAT / Central / State services, Defense, Civil Services, etc.**

Dept.	Name of the exam	No. of students				
		2014-15	2013-14	2012-13	2011-12	2010-11
CE	GATE		3	3	2	3
	GRE	12	11	10	9	8
	TOEFL	10	10	9	9	5
	Defense	2				
EEE	GATE		15	12	8	7
	GRE	20	15	12	8	6
	TOEFL	16	10	8	6	4
	Defense	8	6	4	3	
ME	GATE		1	1		1
	GRE	12	11	15	12	10
ECE	GATE		10	12	8	5
	GRE	10	28	23	26	14
	TOEFL	10	40	45	37	13
CSE	GATE		8	4	3	1
	GRE	20	16	30	24	11
	TOEFL	2	21	15	11	6
IT	GATE				1	0
	GRE	6			5	3

**5.2.5 Provide details regarding the number of Ph.D/D.Sc./D.Litt. theses submitted, accepted, resubmitted and rejected in the last four years.**  
College does not offer PhD programmes.

**5.3 Student Participation and Activities**

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

The College has excellent sports and games facilities for students. Students have participated and won prizes in inter collegiate/ University/district/State level Games. One period per week is allotted in the regular time table for all the classes. Care is taken to avoid clash with examinations.

Institute has National Service Scheme (NSS) to promote social and community programmes  
The list of extracurricular and co-curricular activities planned for each year is prepared by the faculty advisors of the respective professional associations and is approved by the Principal.

**Extra-curricular activities and sports**

Indoor facilities:	Outdoor facilities:
06 station multi-gymnasium	Badminton
Bench press	Basketball with synthetic court
Thread mills	Cricket Net practicing wicket
Cross section	Football
300 kgs Weight training equipment	Throw ball
Individual Dumb bells	Volleyball
Full time gym instructor	Playground for Cricket
Chess	
Table Tennis	
Caroms	



**Sports and Gym timings:**

The Department is kept open from 07:00 am to 6:45 pm on all working days.

**Coaching camps:**

To nurture and develop good teams, coaching camps are arranged. Camps in Table Tennis, Throw ball, Cricket and Volleyball are conducted every year.

**Transportation:**

To encourage and boost large participation in sports, free bus facility is arranged after college hours at 6:00 pm every day.

**Incentives:**

Students teams representing the college in sports meets are provided with play kits, T.A. & D.A., Cash prizes and chairperson trophy every year.

## Details of sports achievement

Name of the event	Category	Award	Year
Cricket	BITS (BOSM) All India open tournament	Winners	2010-2011
Volley Ball	BITS (BOSM) All India open tournament	Runners	2010-11
Badminton	BITS (BOSM) All India open tournament	Runners	2010-2011
Basket Ball	JNTU –A Zone	Winners	2010-2011
Foot Ball	M V S R Inter Engineering College Tournament	Winners	2011-2012
Chess	M V S R Inter Engineering College Tournament	Winner	2011-2012
Chess	BITS all india open Tournament held at GOA	Runners	2011-2012
Chess	All India inter university Tournament	Silver Medal	2011-2012
Cricket	South Zone Inter University Tournament	Bronze Medal	2011-2012
Cricket	SCIENT Eng College, IBP	Winner	2012-2013
Basket Ball	CMRTC Inter Eng College (Fest), Medchal, Hyd	Winner	2012-2013
Basket Ball	DRK Inter Eng College, Hyd	Winner	2012-2013
Chess Boxing	Chess Boxing Organization of India, 1 <sup>st</sup> National Chess Boxing Championship, Kolkata	Winner	2012-2013
Chess	CBIT Inter Eng College, Gandipet, Hyd	Runner	2012-2013
Cricket	JNTU 'A' Zone Inter Eng College, CMRIT, Hyd	Runner	2012-2013
Kabaddi	Central zone	3 <sup>rd</sup> place	2013-2014
Basket ball	CMR Technical fest	Runners	2013-2014
Basket Ball	JNTU Inter collegiate	Runners	2013-2014

Foot ball	BITS Inter college Sports meet	Winners	2013-2014
Volley ball	CMR Technical fest	Runners	2013-2014
Kho-Kho	MRGI Griffins meet	Winners	2013-2014
Throw ball	MRGI Griffins meet	Runners	2013-2014
Chess	MRGI Griffins meet	Winners	2013-2014
Kabaddi	MRGI Griffins meet	2 <sup>nd</sup> place	2013-2014
Chess Boxing	Kolkata	Winners	2013-2014
Basket Ball	MRITS	Runners	2014-2015
Chess	MRCE Tech Trophy	Runners	2014-2015

## Sports Activities programme Calendar

Year of Tournament	Particular	Organized by college/Conducted by
2010-2011	<b>Chairman's Trophy MRGI CRICKET TOURNAMENT</b> Athletics Caroms Chess Table Tennis Tenni Koit Volley Ball Basket Ball	MREC
2011-12	<b>Chairman's Trophy</b> Caroms Chess Table Tennis Tenni Koit Volley Ball Basket Ball Foot Ball Throw Ball Cricket	MREC
2012-2013	<b>AKSHARA FEST</b>	MREC

	Basket Ball Volley Ball Throw Ball <b>Chairman's Trophy</b> Caroms Chess Table Tennis Volley Ball Basket Ball Foot Ball Throw Ball Cricket	
2013-2014	<b>AKSHARA FEST</b> Basket Ball Volley Ball Throw Ball Table Tennis <b>Chairman's Trophy</b> Caroms Table Tennis Tenni Koit Volley Ball Basket Ball Foot Ball Throw Ball Cricket	MREC



Student group won the Trophy in Cricket and Basket ball

**Cultural activities:**

In order to encourage the inherent talents of the students, the College Cultural Committee conducts events like essay writing, debates, group discussions,

general quiz, elocution, mimicry, extempore, mock show, singing, skit etc. It gives an opportunity to the students to show their skill and display their leadership qualities. Every year college day is celebrated where students get opportunity to participate.



College Day Celebrations

Extra Curricular and Co-Curricular programmes like Engineers' Day, Foundation Day, Alumni Day, Teachers' day, College Day, Youth day, Techno-cultural fest, Graduation Day, Festival celebration and Traditional day.



Graduation and Alumni Day Celebration



Celebration of a typical telugu cultural Festival and Traditional Day in the college





Celebration of Engineers' Day, Foundation Day and Teachers' Day at College

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

Year	Name of the event	No. of participants	No. of Awards
2013-14	Paper Presentation	104	12
	Workshop	121	8
	Conferences	21	8
	Project competition	65	14
	Quiz	205	14
2012-13	Paper Presentation	79	11
	Workshop	93	7
	Conferences	17	6
	Project competition	42	11
	Quiz	194	8
2011-12	Paper Presentation	84	9
	Workshop	61	10
	Conferences	12	4
	Project competition	38	11
	Quiz	188	6
2010-11	Paper Presentation	73	17
	Workshop	74	8
	Conferences	8	2
	Project competition	24	8
	Quiz	150	5

5.3.3 How often does the College collect feedback from students for improving the support services? How is the feedback used?

The student feedback is taken twice a year regarding student support services and necessary improvements are made as required.

5.3.4 Does the College have a mechanism to seek and use data and feedback from its graduates and employers, to improve the growth and development of the College?

The Institute regularly interacts with the alumni. It organizes Alumni Meet and collects the addresses of the employers. After the campus interviews, the Institute interacts with employers and collects informal feedback from them. Based on these feedback inputs, the institute modifies or revises the existing curricula and introduces new academic programmes and training programmes.

5.3.5 How does the College involve and encourage students to Publish materials like catalogues, wall magazines, College magazine, and other material? List the major publications/ materials brought out by the students during the previous academic session.

College publishes news letter half yearly. The articles written by the students, student achievements, faculty achievements, departmental achievements and institutional achievements etc. are published

5.3.6 Does the College have a Student Council or any similar body? Give details on its constitution, major activities and funding.

Yes, Academic and cultural representatives are nominated from the students. They lead all the student activities under the guidance of faculty advisors at programme level.

- ❖ Nearly Rs. 10-12 Lakhs are earmarked for all student activities every year.
- ❖ Fresher's day, foundation day and sports & cultural day are some of the major student activities.
- ❖ A mega techno cultural fest titled "AKSHARA" is conducted by all branches of engineering once in a year.
- ❖ Project expo and model exhibition is conducted on the occasion of Engineers day titled "VISHESH".

In addition to these, departments organize technical events.

5.3.7 Give details of various academic and administrative bodies that have student representatives on them. Provide details of their activities

The institution creates a platform for the involvement of students in various academic, administrative and other activities. This empowers students to gain qualities of leadership and governance. Student Representatives are allowed on

the following academic and administrative bodies like Class review committee, Placement committee and Cultural committee

The **Student Chapters of Professional Bodies** like IETE Chapters, ISTE student chapter, IEEE student branch, CSI student chapter, IGS student chapter, ICS student chapter, present which conduct various technical events to update the technical knowledge of current developments in Engineering and technology

**NSS:** It aims to inculcate the values of social service in the personality development of the students. It organizes various programmes like awareness programmes, rallies, health camps, tree plantation etc.

The student representatives are included in the following committees also.

- ❖ Placement Committee
- ❖ Library Committee
- ❖ Anti Ragging Committee
- ❖ Canteen Committee

**CRITERION VI:**

**GOVERNANCE, LEADERSHIP AND MANAGEMENT**

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 Institutional Vision and Leadership

#### 6.1.1 State the vision and mission of the college.

##### VISION:

To establish a reputable professional education centre to impart high quality trend setting technologies in an ambience of humanity, wisdom, intellect and innovation to nurture the students to become competent and committed professionals with disciplined ethical values.

##### MISSION:

Commitment to progress in mining new knowledge by adopting cutting- edge technologies to promote academic growth by offering state-of-the-art under graduate and post graduate programmes based on well-versed perceptions of global areas of specialization to serve the nation with advanced technical knowledge.

#### 6.1.2 Does the mission statement define the college's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, college's traditions and value orientations, vision for the future, etc.?

The characteristics like offering requisite theoretical and practical knowledge, social awareness of the mission statement are well grounded in the course component thereby enabling the graduates to work for the society in their chosen area.

The mission statement very distinctly states about the characteristics envisaged by the college, while preparing the students to serve the society with necessary technical knowledge in theory, enabling them to analyze the problems and offer training to provide practical solutions.

The mission statement further expands the scope for learning, research and development, obtaining solutions which can be of immediate utility in effectively dealing with the problems of the society and expected to improve the quality of living.

Simultaneously, the mission statement offers scope for orientation to its learners to inculcate values and time tested traditions. The mission statement also guides the policy matters and the course designers to realize the needs of the society. It assesses the needs of the academia and the industry from time to time.

The same belief is reflected in the vision statement of the institution also.

### 6.1.3 How is the leadership involved in

**\* ensuring the organization's management system development, implementation and continuous improvement** : The institutional management system is decentralized to help the head of the institution for the day-to-day activities with the heads of the departments, administrative officer, lab in-charges etc., down the line to foster the activities in the institution.

- ❖ The Heads interact to obtain feedback from the students and different stake holders. The administration on its part is accessible to them at different levels for any help or guidance to benefit the students.
- ❖ The members of the Governing body are actively involved to identify the developmental need from time to time, reviewing and trying to eliminate the hurdles involved in functioning and the progress of the institution. The process involves in resource mobilization in terms of finances, man power, and expertise in the targeted direction.

A parallel system of office management exists to assist the principal.

A **finance committee** advises the Principal in the planning and spending the available finances effectively and constructively while an independent auditing mechanism takes care of procedural snags and avoidable wastage.

The **Governing Body** on its part supports the college administration with timely decisions and approvals and developmental matters.

- ❖ Enhancement training is provided to faculty at different cadres.
- ❖ Departmental advisory committees monitor advice and implement the performance of the decisions at the department level.
- ❖ Heads of the departments and other administrative bodies assist the Principal in key decision-making process in implementation of college mission and continuous improvement.
- ❖ Meetings are conducted under the leadership of the Principal with Heads of the departments and administrative bodies periodically, to review the progress of ongoing works and discuss the working plan of upcoming activities.

#### **\*interaction with stakeholders**

- ❖ The provided feedback and suggestions at various levels are analyzed by Heads and important inputs are taken into consideration in the decision making process for the benefit of students and Institution.
- ❖ Faculty and student issues and decisions are discussed in the meeting of the principal with Heads and the administrative bodies. Same is recorded in minutes and circulated to all the departments.
- ❖ Alumni meet is conducted annually to invite suggestions.
- ❖ Curriculum design is done with the help of suggestions and the feedback given by different stakeholders.

- ❖ Enhanced interaction is facilitated through MOUs with industry in collaborative activities like FDPs, skill development for students and internships.
- ❖ Feedback from parents, alumni and eminent personalities visiting the campus helps in the betterment of student amenities, socio cultural environment and gender sensitization for maintaining a healthy academic atmosphere.

**\*reinforcing culture of excellence**

Demand of the modernization can be met by providing regular training to faculty, staff and students. Regular guest lectures are arranged by inviting subject experts from different fields to impart knowledge in recent thrust areas. Encouraging faculty to update and publish in peer-reviewed journals by extending necessary support and incentives. Students are encouraged to excel in co-curricular and extra-curricular activities besides their academics.

**\*identifying needs and championing organizational development (OD)?**

The institutional management structure considers suggestions from stakeholders in preparing action plan and identifying the institutional short term and long term goals for the development of the Institution.

The Department Heads at their level identify the following aspects like introduction of new programmes and courses, establishment of labs, quality improvement programmes etc. These proposals are submitted to the Principal for approval and he in turn examines the proposals in consultation with finance and planning committee. Later he submits the budget annually and presents finally to the Governing Body for approval.

**6.1.4 Were any of the senior leadership positions of the College vacant for more than a year? If so, indicate the reasons.**

No

**6.1.5 Does the College ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?**

YES

**6.1.6 Does the College promote a culture of participative management? If yes, indicate the levels of participative management.**

Yes, the College promotes a culture of participative management and involves faculty, staff and students in its day-to-day development and maintenance. The faculty, staff and students help in framing the curriculum, schedules and infrastructural facilities. The Head of the Institution seeks suggestions from academic heads and other administrative bodies for preparation of draft proposal before submitting for final approval.

**6.1.7 Give details of the academic and administrative leadership provided by the University to the College?**

Nominees from the university are part of the statutory bodies of the institution, to support and guide the administrative and academic mechanisms as and when scheduled. Also one representative from the UGC as well is a member of the governing body. University confers the affiliation with due recommendations to government.

**6.1.8 How does the College groom the leadership at various levels?**

Institutional management structure is well decentralized, where authority and responsibility is attached to the Heads of the departments and heads of the other administrative bodies to avoid delay and to simplify the localized issues. Some of the identified heads of administrative bodies and senior faculty are sent in turns for managerial and leadership training to premier institutions like IITs, IIMs, and ISB through TEQIP.

**6.1.9 Has the College evolved any strategy for knowledge management? If yes, give details.**

Yes, College has evolved a knowledge management strategy. This includes:

- ❖ Digital library catering to the needs of the students and faculty. College library has good number of online journals and made available to the students and faculty through intranet and a number of print journals are made available in reference section. The project reports of both UG and PG students are maintained department wise in the Library. Research papers published and presented by the staff are compiled in a book form regularly and are made available in the Library. NPTEL videos are available through intranet and also made available in college website.
- ❖ Well established computer centre with internet facility is available for faculty, and students. Campus is Wi-Fi enabled.
- ❖ Faculty members are encouraged to participate in various workshops/conferences/seminars/FDP programmes to enrich their knowledge.
- ❖ Subject experts from different fields are invited for delivering guest lectures on the recent technologies available in the field.
- ❖ Students are encouraged to participate in intra / inter collegiate workshops /conferences /project expos and quizzes to update their knowledge.

**6.1.10 How are the following values reflected in various functions of the College?**

**\* Contributing to national development:** Producing quality technical graduates and post graduates through novel curriculum who can take any responsibility and discharge with ethical standards. By encouraging faculty and students towards

research and innovation leading to practical solutions to societal needs.

**\*Fostering global competencies among students:** Curriculum is designed to address the global challenges. Inviting the eminent personalities from various industries and academia to give exposure to the students on the recent technologies and thrust areas of research. Regular training, conducting conferences and workshops give encouragement to the students.

**\* Inculcating a value system among students:** Mentor – mentee system and counselors help in nurturing the value system among the students. In addition to this, motivational lectures by leading personalities from different fields benefit the students. Students are encouraged to participate actively in NSS activities, which will help in establishing value system in them.

**\* Promoting use of technology:**

Staff is encouraged to use ICT and modern facilities available in the campus for effective teaching. To upgrade the labs as per the industrial needs as suggested by industry experts.

**\* Quest for excellence**

- ❖ In pursuit of excellence in quality, the college received timely accreditation by NBA. The Re-accreditation by NBA for various programmes exposes the quest of the institution for quality sustenance.
- ❖ NAAC has commended the efforts of the college on various fronts with high scores.
- ❖ JNTUH, Hyderabad, affiliating university, granted the autonomous status in the year 2011.
- ❖ College is the beneficiary of World Bank funding through TEQIP-II, S.C.1.1
- ❖ UGC granted the autonomy for six years from academic year 2014-15 to 2019-20.

#### **6.1.11 Give details of the UGC autonomous review committee's recommendations and its compliance.**

The UGC committee visited the institute from 29, 30 and 31<sup>st</sup> December 2013. They were satisfied with the academic reforms and infrastructural facilities. They granted autonomous status for six years from 2014 – 15 to 2019 – 20.

### **6.2 Strategy Development and Deployment**

#### **6.2.1 Does the College have a Perspective Plan for development? If so, give the aspects considered in development of policy and strategy.**

**\* Teaching and learning**

**Short range goals:**

- ❖ Effective implementation of outcome based education
- ❖ Enhanced ICT based learning

- ❖ Enhancement of quality and number of smart class rooms
- ❖ Increasing the component of self-learning through hands-on experience

**Long range goals:**

- ❖ Choice based credit system.
- ❖ Offering vertical and horizontal mobility across the courses
- ❖ Total internal assessment

**\* Research and development**

- ❖ To promote research, the college encourages faculty members to participate and present technical papers in various State / National / International Seminars and Conferences. The faculty members are motivated by the heads and the principal to submit research proposals to various funding agencies like AICTE, UGC, and DST etc. The College received grants for some of the research projects submitted to UGC.
- ❖ The College library has subscribed to National/International and e-journals in various subjects and can be accessed by faculty to update their knowledge. Faculty members are encouraged to pursue Ph.D.
- ❖ Special research centres need to be established in the college to enhance the research activities.

**\* Community engagement**

- ❖ To ensure community involvement, NSS wing is working effectively and organizing events regularly, encouraging students to participate and visit the different places like old age homes, schools for the blind etc.
- ❖ College is planning to start NCC wing and also planning to collaborate with the non-profitable organisations.
- ❖ Encouraging students to start community and social-centric clubs in the college.

**\*Human resource planning and development**

- ❖ Heads of the departments/sections submit the requirements of teaching, technical and non teaching staff before the commencement of the academic year. As per the requirement, recruitment of faculty is done through selection committees comprising experts in respective subjects drawn from internal and external streams.
- ❖ Increase the faculty strength by recruiting more doctorates.

**\* Industry interaction**

To strengthen Industry-Institute Interaction:

- ❖ The students are encouraged to do their mini and main projects in different industries as part of their curriculum.
- ❖ Experts are also invited to share their industrial experiences with the students and faculty members. Conferences, workshops and seminars are

regularly conducted by each department and many technical experts and leading industrialists are invited during these events.

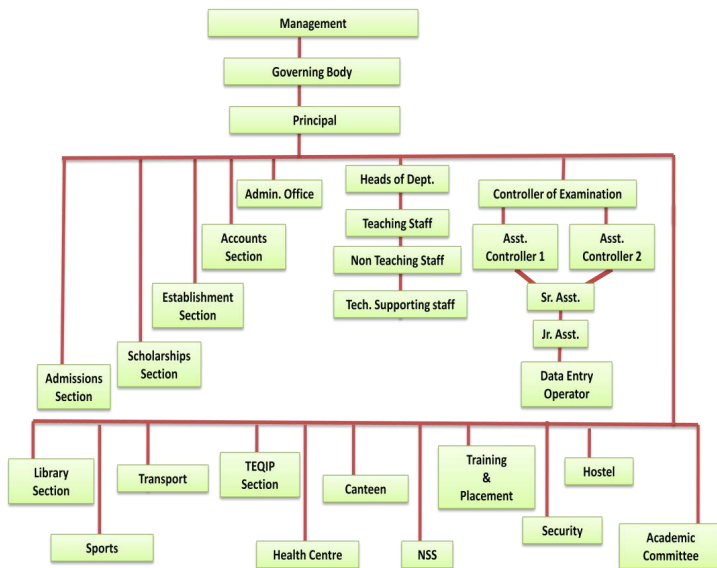
- ❖ Industrial visits and study trips are organized for the students to make them familiar with the practical environment of the industries.
- ❖ The college has MOUs with industries and institutions for student development as per the industry requirement.
- ❖ Campus placement drives are conducted regularly.
- ❖ College is planning to enter into MOUs with leading industries like Dell, HCL, Cognizant etc., for students' recruitment and their development.

**\*Internationalization**

There is no admission in the category of PIOs hence special efforts in this direction are not initiated.

**6.2.2 Enunciate the internal organizational structure of the College for decision making processes and their effectiveness.**

**Institutional Management**



**6.2.3 Specify how many planned proposals were initiated/ implemented, during the last four years. Give details.**

Year	Plan initiated / Implemented
2011-12	<ol style="list-style-type: none"> <li>1. Started one PG Programme namely M.Tech in Computer Science and Engineering with 18 intake.</li> <li>2. Started one UG Programme namely Information Technology with 60 intake.</li> <li>3. JNTUH, Hyderabad the affiliating university granted Autonomous status</li> <li>4. Considered for receiving World Bank funding through TEQIP-II, S.C.1.1</li> </ol>
2012-13	<ol style="list-style-type: none"> <li>1. Started four new PG Programmes namely M.Tech in                         <ul style="list-style-type: none"> <li>o Transportation Engineering with 24 intake,</li> <li>o VLSI system design with 24 intake,</li> <li>o Computer Science &amp; Engineering (Shift II) with 24 intake,</li> <li>o Computer Science with 24 intake</li> </ul> </li> <li>2. Increased Intake of students from 120 to 240 in B.Tech Computer Science and Engineering</li> <li>3. Increased Intake of students from 120 to 180 in Masters in Business Administration</li> </ol>
2013-14	<ol style="list-style-type: none"> <li>1. Started four new PG Programmes namely M.Tech in                         <ul style="list-style-type: none"> <li>o Geo Technical Engineering with 24 intake,</li> <li>o Power Electronics &amp; Electrical Drives with 24 intake,</li> <li>o Advance Manufacturing System with 24 intake,</li> <li>o Embedded Systems with 24 intake.</li> </ul> </li> <li>2. Increased Intake of students from 120 to 180 in B.Tech Mechanical Engineering and Electronics &amp; Communication Engineering.</li> <li>3. Started a new UG Programme namely Mining Engineering with an intake of 60 students</li> <li>4. Recognized under 2(f) &amp; 12(B) of UGC act 1956 for receiving research grants.</li> <li>5. Submission of final NBA application for Re-accreditation.</li> </ol>
2014-15	<ol style="list-style-type: none"> <li>1. Started two new PG Programmes namely M.Tech in</li> </ol>

	<ul style="list-style-type: none"> <li>○ Machine Design with 24 intake,</li> <li>○ Electrical Power Systems with 24 intake.</li> <li>2. Increased intake of students from 180 to 240 in B.Tech Mechanical Engineering</li> <li>3. Increased intake of students from 120 to 180 in B.Tech Civil Engineering</li> <li>4. Closure of 3 Programmes namely M.Tech Digital System &amp; Computer electronics(Shift II), MCA and B.Tech Information Technology</li> <li>5. Reduction in intake of students namely M.Tech Computer Science from 24 to 18, MBA from 180 to 120.</li> <li>6. Grant of UGC Autonomous status for Six years from 2014 – 15.</li> <li>7. Grant of NBA Re-accreditation for UG programmes in EEE, ME and ECE for 2 years</li> <li>8. Grant of NBA accreditation for UG programmes in CE and CSE for 2 years</li> <li>9. Applying for NAAC cycle II.</li> <li>10. Applying for NBA for eligible PG programmes.</li> <li>11. Received Grant for 9 minor research projects worth of Rs 20.65 Lakh.</li> </ul>
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**6.2.4 Does the College have a formally stated quality policy? How is it designed, driven, deployed and reviewed?**

Yes, the college has a formal quality policy.

- ❖ College has designed a quality policy keeping in view the vision and mission of the institution to satisfy the stake holders about students quality, growth of knowledge in faculty members, creating opportunities for placement, continuous upgradation of facilities and learning.
- ❖ College Academic Committee, faculty, student community, alumni, industry experts, subject experts, society and parents take forward the knowledge base of learning to help the community.
- ❖ The review is made at different levels of institutional structure from time to time and the results are discussed in the meetings of the statutory bodies of the college for approval and guidance for future course of action.

**6.2.5 How does the College 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?**

- ❖ Grievances redressal committee addresses both the students and faculty complaints. Once the complaint is received the committee takes corrective action quickly based on the gravity of the situation.
- ❖ Separate women protection cell is functional.
- ❖ Anti ragging committee is also active in the college.

**6.2.6 Does the College have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?**

- ❖ The college academic audit committee obtains regular feedback from students in first half of the semester and a consolidated feedback report is generated for all the subjects in the semester. A comprehensive score on a scale of 0-10 is arrived for each subject and if the score is less than 6 then the teacher's performance is presumed to be below satisfactory. Heads of the departments track the record of the faculty continuously. Faculty members who get score below 6 are informed about their weak areas of teaching abilities and given a chance to improve. They are given orientation and special inputs for improvement. Necessary counseling to the teachers will be done by Heads of the departments and principal regularly.
- ❖ Feedback from students is taken about the infrastructure, library and other institutional facilities regularly.
- ❖ Based on the formal and informal feedback from the students, the infrastructural requirements like library, drinking water, class rooms etc, are regularly improved.

**6.2.7 In what way the affiliating University helped the College to identify the developmental needs of the College?**

- ❖ The University appoints a Fact Finding Committee (FFC) from time to time to review the performance of the college and provides suggestions for better functioning while granting affiliation and its renewals.
- ❖ The University nominates its representatives on various statutory bodies, like BOS, Academic Council and Governing Body to serve as a link between the University and the college in carrying forward the University policies without affecting the autonomy of the college.

**6.2.8 Does the affiliating university have a functional College Development Council (CDC) or Board of College and University Development (BCUD)? If yes, In what way College is benefitted.**

Yes, University has functional academic bodies like Academic Planning, Evaluation, Training & Placement, R&D, Foreign relations which perform the role as defined by CDC.

The college is being benefitted in achieving autonomy by following the functions performed by university constituent autonomous colleges. The evaluation, Training and Placement procedures are practiced in the same way as that of the university.

**6.2.9 How does the College get feedback from non-teaching, teaching, parents and alumni on its functioning and how it is utilized?**

- ❖ The college receives feedback from **teaching staff** about the academic results, research papers published and other academic activities. Head of the Institution assisted by heads of the departments provide an insight to the management for the improvement in the overall performance of the college.
- ❖ The heads of the departments in the day-to-day interactions as well as periodical meetings within the department obtain feedback from the **non-teaching staff**.
- ❖ The **parents** have open access to faculty, heads and other administrators to express their feelings which help in serving the students better both academically and administratively. Parent-Teacher meetings are also held by all departments which encourage the personal touch and rapport with the parents. This makes it easier for the department through the academic adviser to connect with the parent in the times of need.
- ❖ The feedback of the **alumni** is collected through the alumni meets conducted every year. Analysis of the feedback gives information on the number of students who have gone for higher studies, employment details of the alumni, in addition to their opinion about the academic programmes that they underwent while in the college.
- ❖ The minutes / observations thus recorded are transferred to the administration for necessary improvement /corrective steps/consideration.

**6.2.10 Does the College encourage autonomy to its academic departments and how does it ensure accountability?**

College encourages autonomy. It gives information about the benefits of autonomy to the departments by conducting regular meeting before framing the curriculum and advises them to keep in mind while giving proposal for curriculum change.

- ❖ Freedom to design the curriculum to match the contemporary developments in domain knowledge, subject to the approval of BOS and Academic Council.
- ❖ Freedom to design internal components of the course assessment.
- ❖ Freedom to design and offer new topics beyond curriculum and value added programmes.
- ❖ Freedom and flexibility to plan the academic calendar.

**Accountability is measured through:**

- ❖ Reconciliation with scheme of valuation in the internal evaluation mechanism
- ❖ Student feedback, counseling, review on internal evaluation, result analysis and question paper moderation
- ❖ Self-appraisals of faculty
- ❖ Review on performance in Academic Council

**6.2.11 Does the College conduct performance auditing of its various departments?**

Yes

**6.3 Faculty Empowerment Strategies**

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

College believes that development of **teaching** staff is done by encouraging them for higher studies by providing administrative and academic flexibility like:

- ❖ Providing short term paid leave for external registrations in higher learning institutions.
- ❖ Sponsoring to attend short-term programmes like seminars / workshops/ FDP on specialized topic.
- ❖ Providing monetary benefit/basic infrastructure to externally funded schemes for initiating and reducing time lag.
- ❖ Providing cash awards / financial incentives for publications /award of doctoral degrees
- ❖ Modernization of laboratories with research facilities
- ❖ Exposing to recent technologies and research in thrust areas through invited lectures, workshops, seminars and conferences
- ❖ The **non-teaching** staff is encouraged to upgrade their skills by arranging in-house training sessions by the faculty.



### 6.3.2 What is the outcome of the review of the Performance Appraisal Reports? List the major decisions.

Performance review is done at four levels annually.

Level 1: Students feedback on performance of the teacher in ascertaining the acceptance of the faculty, content delivery, approachability for clarifications, communication skills etc.

Level 2: Self appraisal Report by the individual faculty viz., pass percentage in the subjects taught, number of papers published in peer reviewed journals, papers presented in national and international conferences and workshops, research contribution by submitting proposals to funding agencies etc.

Level 3: Assessment by head gives one's attitude as a teacher, colleague and member of the department in accepting and discharging a given task within and outside the sphere of teaching.

Level 4: Institutional level assessment helps in understanding his/her active participation in additional responsibilities at departmental and institutional level with accountability.

The performance review offers scope to understand an individual in wide perspective of multiple role play. It also helps in grading the faculty in the innovative nature and interest in R&D, the leadership qualities for future responsibilities for rewarding.

The above analysis resulted in development of the institution and individual faculty in different ways like

- ❖ Identifying achievers and rewarding
- ❖ Encouraging innovation
- ❖ Supporting research and publications.
- ❖ Interacting and coordinating with outside world in academic activities and consultancy

Apart from the above, the scheme of performance based incentives and yearly increments are in place.

### 6.3.3 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?

- ❖ Transport facility: 62%
- ❖ Medical leave : 12%
- ❖ Academic Leave:5%
- ❖ Special Leave: 15%
- ❖ Maternity leave: 4%
- ❖ Study leave for qualification up-gradation: 6%

### 6.3.4 What are the measures taken by the College for attracting and retaining eminent faculty?

- ❖ Academic flexibility
- ❖ Flexible timing and leave facility
- ❖ Providing long / short term paid leave for external registration at higher institutes
- ❖ Encouraging to get exposed to specialized research facilities in IITs / IIMs / R&D organizations and sending them for pedagogical, leadership and managerial training etc. through TEQIP.
- ❖ Registration and travel grant for presentations in international conferences on invitation, chairing a session etc.,
- ❖ Providing matching grant to the externally funded schemes, if necessary

### 6.3.5 Has the College conducted a gender audit during the last four years? If yes, mention a few salient findings.

Some of the findings of the gender audit analysis done in UG and PG programme are:

- ❖ Girls admitted beyond the reserved quota.
- ❖ Confidence among parents and students alike to take admission in our college.
- ❖ Pass percentage of girls is higher than boys.
- ❖ Girls' participation is more in extracurricular activities.
- ❖ Placement count is higher for girls than boys.
- ❖ Girl student's count is increasing for higher studies in India and abroad.
- ❖ Increase in opting for core engineering branches like Mechanical and Civil engineering by girl students.

### 6.3.6 Does the College conduct any gender sensitization programmes for its staff?

The college has a women welfare committee. Gender sensitization programmes are conducted regularly.

### 6.3.7 What is the impact of the University's UGC-Academic Staff College Programmes in enhancing competencies of the College faculty?

The faculty attended various programmes organized by Staff College and other similar institutions of high repute like IITs, NITs, JNTUH, IIMs, and ISB on pedagogy, curriculum development, leadership and managerial skills etc. under TEQIP. This helped updating their professional knowledge.

**6.4 Financial Management and Resource Mobilization**

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

- ❖ For the effective use of financial resources annual budgets are prepared every year and are compared with the budget proposals at the end of the year. Expenditures are incurred based on the budgets.
- ❖ A capital expenditure budget is prepared to monitor the effective use of resources for continual improvement of infrastructure.
- ❖ Finance committee headed by secretary of the society approves procurements beyond limits of the principal.
- ❖ The overall monitoring of the expenditure is done by the finance committee which includes Secretary of the society, Principal, head of the accounts and accountant.

**6.4.2 Does the College have a mechanism for internal and external audit? Give details.**


- ❖ Internal audit is conducted by preparing and reviewing income expenditure statements
- ❖ External audit is conducted by an independent chartered accounting agency
- ❖ Both the audits are conducted annually and reports are submitted to the Governing body along with the budget proposals for review and approval.

**6.4.3 Provide audited income and expenditure statement of academic and administrative activities of the previous four years.**

**CMR EDUCATIONAL SOCIETY**  
(MALLA REDDY ENGINEERING COLLEGE)

INCOME & EXPENDITURE ACCOUNT AS ON 31-03-2014

EXPENDITURE	AMOUNT Rs.	INCOME	AMOUNT Rs.
Ts. Advertisement Charges	2,76,982	Fee Collections	1,76,853,172
Ts. Affiliation Fee	9,88,070	Other Income	1,304,220
Ts. Annual Day Celebration	25,715		
Ts. Bank Charges and Interest	1,02,043	Exam Fee	7,705,608
Ts. Building Maintenance	44,432	Equip. Grants	
Ts. Souvenirs & Memorabilia		Transport Fee	707,850
Ts. Computer Maintenance	2,45,801		
Ts. Conveyance Charges	25,190		
Ts. Electricity Charges	4,59,099		
Ts. Honorarium	11,300		
Ts. Insurance Charges	16,852		
Ts. Journals & Periodicals	28,536		
Ts. Lab. Maintenance	57,693		
Ts. Labour Charges	16,875		
Ts. Legal Expenses	640		
Ts. Library Maintenance	8,880		
Ts. Meetings & Seminars	36,750		
Ts. Membership & Subscription	77,500		
Ts. Misc. Expenses	13,400		
Ts. News Paper & Periodicals	4,373		
Ts. Office Maintenance	39,148		
Ts. PF Contribution Employer	21,745		
Ts. Placements Expenses	91,010		
Ts. Postage & Courier	2,670		
Ts. Printing & Stationary	2,51,187		
Ts. Rates & Taxes	1,31,770		
Ts. Remuneration	28,1910		
Ts. Repairs & Maintenance	51,813		
Ts. Salaries	148,815,896		
Ts. Research & Development	59,800		
Ts. Staff Welfare	87,848		
Ts. Student Welfare Expenses	56,500		
Ts. Telephone Charges	39,115		
Ts. Travelling Expenses	32,084		
Ts. Vehicle Maintenance	1,50,788		
Ts. Students Training & Activities-TCQP	9,27,260		
Ts. Staff Development Activities-TCQP	20,714		
Ts. Depreciation	35,894,501		
Excess of Income Over Expenditure	(9,38,4,438)		
	<b>188,721,050</b>		<b>186,721,050</b>


 For CMR Educational Society  
*M. Srinivas Reddy*  
 Secretary

**CMR EDUCATIONAL SOCIETY**  
(MALLA REDDY ENGINEERING COLLEGE)

INCOME & EXPENDITURE ACCOUNT AS ON 31-03-2015

EXPENDITURE	AMOUNT Rs.	INCOME	AMOUNT Rs.
To Advertisement Charges	1,273,542	Fee Collections	166,664,462
To Affiliation Fee	9,780,372	Other Income	111,700
To Annual Day Celebration	268,917	Exam Fee	1,603,496
To Bank Charges and Interest	2,496,187	Tequip Grants	
To Building Maintenance	1,889,806	Transport Fee	9,143,500
To Bouquets & Mementos	-		
To Computer Maintenance	599,707		
To Conveyance Charges	239,339		
To C S I Member Ship	43,645		
To Electricity Charges	1,007,213		
To Exam Fees	1,033,336		
To Garden Maintenance	15,000		
To Honorarium	95,470		
To Inspection Fee	104,055		
To Insurance Charges	411,815		
To Journals & Periodicals	1,340,468		
To Lab Maintenance	329,720		
To Labour Charges	147,800		
To Legal Expenses	13,900		
To Library Maintenance	6,400		
To Meetings & Seminars	30,000		
To Membership & Subscription	31,000		
To Misc. Expenses	21,723		
To News Paper & Periodicals	13,553		
To Office Maintenance	1,437,520		
To PF Contribution Employer	261,803		
To Placements Expenses	97,141		
To Postage & Courier	14,991		
To Printing & Stationary	1,314,662		
To Rates & Taxes	681,385		
To Remuneration	1,212,389		
To Repairs & Maintenance	90,400		
To Salaries	130,694,932		
To Staff Welfare	389,761		
To Stifund	133,500		
To Student Welfare Expenses	26,000		
To Telephone Charges	193,808		
To Transport Charges	79,544		
To Travelling Expenses	153,015		
To Vehicle Maintenance	2,939,796		
To Students Training & Activities-TEQIP	60,502		
To Staff Development Activities-TEQIP	923,496		
To Professional Charges	20,000		
To Orientation Programme-TEQIP	2,403,903		
To Depreciation	20,449,996		
Excess of Income Over Expenditure	(8,313,994)		
	<b>177,413,168</b>		<b>177,413,168</b>



For CMR Educational Society  
*U. N. Lakshminarayana Reddy*  
Secretary

**CMR EDUCATIONAL SOCIETY**  
(MALLA REDDY ENGINEERING COLLEGE)

INCOME AND EXPENDITURE A/C AS ON 31.03.2015

EXPENSES	AMOUNT	INCOME	AMOUNT
Advertisement Charges	1,114,250	Fee Receipts	112,209,067
Affiliation Fee	5,216,037	Transportation	612,450
Annual Day Celebrations	257,600	Interest on FD	42,228
Bank & Interest Charges	464,900	Others	60,000
Building Maintenance	959,835		
Computer Maintenance	220,085		
Consultancy Charges	7,650		
Conveyance Charges	289,004		
Electricity Charges	1,720,314		
Games	5,850		
Honorarium	6,000		
Inspection Fee	5,000		
Insurance Charges	234,302		
Journals, Papers & Periodicals	403,221		
Lab Maintenance	176,666		
Legal Expenses	178,220		
Meetings & Seminars	356,774		
Misc. Expenses	11,890		
Office Maintenance	460,018		
P.F. Contribution & Admn. Exp.	359,000		
Placement Charges	356,338		
Postage & Telegrams	20,576		
Printing & Stationary	1,823,503		
Rates & Taxes	932,647		
Remuneration of Examiners	903,414		
Repairs & Maintenance	169,547		
Salaries	52,946,232		
Staff Welfare	305,167		
Telephone Charges	89,101		
Travelling Expenses	177,482		
Transport Charges	14,550		
Vehicle Maintenance	288,209		
Depreciation	19,533,107		
Excess of Income Over Expenditure	22,942,267		
<b>TOTAL</b>	<b>112,923,746</b>	<b>TOTAL</b>	<b>112,923,746</b>




for CMR Educational Society  
*U. N. Lakshminarayana Reddy*  
Secretary

**CMR EDUCATIONAL SOCIETY**  
( MALLA REDDY ENGINEERING COLLEGE)

INCOME AND EXPENDITURE A/C AS ON 31.03.2011

EXPENSES	AMOUNT	INCOME	AMOUNT
Advertisement Charges	1462068	Fee Receipts	87568234
Affiliation Fee	3737894	Transportation	571417
Annual Day Celebrations	94856	Interest on FD	319692
Bank & Interest Charges	259		
Building Maintenance	233684		
Computer Maintenance	127010		
Conveyance Charges	22348		
Electricity Charges	1051363		
Games	8800		
Garden Maintenance	39000		
Inspection Fee	54133		
Insurance Charges	1138816		
Journals, Papers & Periodicals	308482		
Lab Maintenance	50927		
Legal Expenses	25000		
Meetings & Seminars	88110		
Misc. Expenses	74073		
Office Maintenance	308096		
P.F. Contribution & Admn. Exp.	415038		
Placement Charges	30000		
Postage & Telegrams	9158		
Printing & Stationary	828092		
Rates & Taxes	1484902		
Remuneration of Examinars	1024481		
Repairs & Maintenance	291543		
Salaries	41908967		
Staff Welfare	179924		
Telephone Charges	188814		
Travelling Expenses	25584		
Transport Charges	56390		
Vehicle Maintenance	659445		
Depreciation	19861342		
Excess of Income Over Expenditure	12704147		
<b>TOTAL</b>	<b>88459342</b>	<b>TOTAL</b>	<b>88459343</b>


 For CMR Educational Society  
*U. Lakshminarayana Reddy*  
 Secretary

**6.4.4 Have the accounts been audited regularly? What are the major audit objections and how are they complied with?**

Yes, Regular audit of accounts is taken up by a chartered accountant and no objections have been recorded so far.

**6.4.5 Narrate the efforts taken by the College for resource mobilization.**

- ❖ The major resource for the college is the fees received from the students under management and convener category. The amount of fees that college can receive is fixed by the Government of Telangana through a committee constituted for this purpose.
- ❖ Any short fall in funds to meet the recurring and capital expenditure will be provided by the management.
- ❖ Encouraging faculty to submit proposals to several government agencies and other funding agencies for establishment of laboratories and Research Projects.
- ❖ Advising Mechanical and Civil Engineering departments to work on consultancy related activities for generating income.
- ❖ Exploring ways of optimizing the utility of existing infrastructure

**6.4.6 Is there any provision for the College to maintain the 'corpus fund'? If yes, give details.**

Yes, deposit with AICTE.

**6.5 Internal Quality Assurance System**

**6.5.1 Does the College conduct an academic audit of its departments? If yes, give details.**

Yes, academic audit committee of the college conducts the department level audits regularly. The members of the respective Boards of Studies also scrutinize the quality of question papers of the external examinations, and the academic council reviews the academic performance. Apart from these, a team from the University visits the college and conducts fact findings on academic front every year. TEQIP also conducts academic audit regularly.

**6.5.2 Based on the recommendations of academic audit what specific measures have been taken by the College to improve teaching, learning and evaluation?**

- ❖ Internal quality verification system by senior faculty within each department is introduced to further improve question paper quality for the mid-term tests.
- ❖ Common question papers are prepared for every subject taught by different teachers for different sections.
- ❖ Attainment levels of course outcomes are introduced.

**6.5.3 Is there a central body within the College to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

Yes. Academic audit committee is functioning in the college, appointed by the Principal.

- ❖ A typical student feedback form covering all aspects of teaching and learning is prepared. Student feedback also covers review of the teaching learning process by various questions related to motivation levels of the students towards the subject, clarity of presentation, preparedness, pace of the content coverage, regularity / punctuality, audibility, clearance of doubts, overall opinion, etc.
- ❖ The faculty in-charge of the student feedback activity collects the feedback once at the end of the first half of instruction for all the courses and the other at the end of the semester. A consolidated feedback report is generated for all the subjects of a semester.
- ❖ A comprehensive score on a scale of 0-10 is arrived for each subject based on the student feedback. In general, if the score is above 6 then the teacher's performance is considered average and if the score is less than 6 then the teacher's performance is below average. Head of the departments track the record of the faculty members who get score below 6. The weak areas are identified and are given a chance to rectify. They are given orientation and special inputs for improvement. Necessary counseling to the teachers will be done. Also the faculty members who get score of 7 or above 7 are appreciated and recommended for incentives.

**6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?**

- ❖ IQAC plays major role to achieve the quality by regular audit by the cell and suggestions are made to all the academic and administrative bodies
- ❖ Academic Audit committee regularly checks the internal quality of the department and teaching, learning and evaluation processes.
- ❖ Providing autonomy to faculty for framing the syllabi.

**6.5.5 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.**

Yes. Suggested to increase the social related activities

**6.5.6 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?**

Yes. IQAC has been conducting study on the incremental academic growth of students from disadvantaged sections of society. It recommends to take measures such as conducting remedial classes, makeup classes, communication skills development etc.

**6.5.7 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centers, etc.?**

Periodic review of academic, administrative departments and research centres are carried out regularly.

- ❖ Service Rules and Policies, recruitment, academic regulation, and consultancy policies are reviewed periodically.
- ❖ Statutory and non statutory bodies exist in the institution for improving working conditions.

*Any additional information regarding Governance, Leadership and Management, which the institution would like to include.*

**CRITERIA VII:****INNOVATION AND BEST PRACTICES****INNOVATION AND BEST PRACTICES****7.1 Environment Consciousness****7.1.1 Does the College conduct a Green Audit of its campus?**

College is located in a serene campus of 10 acres in lush green and pollution free environment in the vicinity of Telangana Forest Academy. The institution is very much committed to preserve and protect the Environment in its entirety. A separate team takes care of the greenery in the campus and 35% of the campus land area is occupied by various shady trees. Clean and green, *swatch bharat* programmes are taken up periodically. Tree plantation programme is conducted in a big way during the August month every year by NSS wing.

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

\* **Energy conservation:** The college class rooms and laboratories are made airy and well ventilated so that they hardly need any artificial lighting and fans. Students and staff are well sensitized, so that they switch off lights and fans when not required. Air conditioners are used only at essential places. Non teaching staff is instructed to keep on checking and switch off the fans and lights if nobody is available in class rooms, labs and staff rooms.

\* **Use of renewable energy** - Solar energy is likely to be installed in the near future.

\* **Water harvesting** - Rain water harvesting pits are provided at low lying spots in the college.

\* **Check dam construction:** Nil

\* **Efforts for Carbon neutrality** – College at its own level has taken up certain preventive measures to check the emission of carbon dioxide. Around 65% of the students are using the college transportation and public transport. Also less usage of generators, periodical mechanical maintenance and servicing of college buses and replacing the outdated buses which keeps CO<sub>2</sub> levels low.

\* **Plantation** -- The greenery of the campus is maintained by a separate supervisor throughout the year. 8 gardeners work under a supervisor for regular maintenance of greenery in the campus. Well laid lawns enhance the glow of lush green carpet appearance in various locations of the institution. The trees on either side of the campus roads lend natural beauty to the campus. Tree plantation programme is conducted regularly by NSS team.

\* **Hazardous waste management** - The only hazardous waste generated on campus is from the chemistry laboratories in terms of fumes and vapors and these are managed by providing adequate exhaust and dilution as much as possible.

\* **e-waste management** – The only e-waste generated now and then is computer peripherals and some obsolete electronic equipment. The outdated computer peripherals and other condemnations are simply disposed.

\* **any other** -

**7.2 Innovations****7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.****TEACHING METHODOLOGY**

- ❖ Faculty maintains a course file comprising of syllabus, lesson plan, notes, previous question papers of the university exams, mid exam papers, assignment papers etc. and results evaluation.
- ❖ Use of LCD projectors in all the class rooms, using latest lecture material wherever necessary.
- ❖ Preparing micro planning of each course.
- ❖ Using of ICT facilities and animated videos in the e-classes to explain the most complex subjects to aid the student in understanding the lessons.
- ❖ Lectures are also supported by Video lectures of NPTEL, which improve the effectiveness of presentation of the subjects to the students. This in turn has helped the students to involve themselves in active learning
- ❖ Enhance slow learners ability in understanding the subject.

**INNOVATIVE PRACTICE IN ACADEMICS**

- ❖ Lab manuals and Continuous Evaluation in Laboratories.
- ❖ Additional Experiments beyond the Prescribed Syllabus: Additional experiments have been introduced in all the laboratories of the engineering departments extending beyond the prescribed syllabus. This helps the students to a better understanding of the theory.
- ❖ Identifying academically slow learners: Students who scored less than 60 % are identified and makeup classes are arranged subject wise.
- ❖ Real Time Mini Projects: Real time mini projects are encouraged to be taken up by the students and they are given a chance to exhibit their project models during Engineers' Day and other such events.
- ❖ Industrial Visit: industrial visit for II & III year students to understand the work culture at industry and process of working practically.

- ❖ Summer internship: Students are encouraged to undergo in-plant trainings or internship in companies during their summer/ winter holidays
- ❖ Extended Hours: college time is extended from 4:30 pm to 5:30 pm, three weeks before the examination for clarification of doubts in the subjects.
- ❖ Finishing School concept: Giving industry oriented training to students in the campus on technical and core skills and Campus Recruitment Training including soft skill, aptitude, mock GD and Interviews which will make the students industrial ready. Company specific training before the company visit for placement drive. Guiding students for short term certificate courses which add value to the resumes.
- ❖ Expert and guest lectures: arranging guest lectures by subject experts and industrial persons on subject related topics by each department periodically.
- ❖ Encouraging the students for sports: Not only the male students but also girl' students are encouraged for sports activities. Taking this aspect into consideration a lady physical director is recruited.
- ❖ International and National level conferences: All departments are conducting national level conference every year and International conference once in two years.
- ❖ Seminars and workshops: Conducting regular seminars and workshops by all the departments on recent technologies for students and faculty to upgrade the technical knowledge.
- ❖ MOUs with the prominent industries and R&D establishments for student projects, placements and modification of curriculum as per the requirement of the industry.
- ❖ "VISHESH" - A National level Innovative design and project expo on the Engineers' day.
- ❖ E-portal: Accessing learning material and submission of assignments etc.
- ❖ "AKSHARA" - A national level techno cultural fest is conducted every year, which includes the paper presentation by students.
- ❖ Encouraging students to develop prototypes by providing financial support.
- ❖ Identifying the course coordinators.

- ❖ QEEE live classes are conducted on advanced topics in all the subjects of engineering.

#### INNOVATIVE PRACTICES IN ADMINISTRATION

- ❖ Declaring results online within four weeks after conducting the examinations.
- ❖ 24 hrs E-Surveillance systems.
- ❖ R&D committee: This committee is established to encourage the R&D activities and regular follow-up with the faculty for applying the research proposal from different funding agencies. It also monitors regular follow up action and help faculty to apply for the research proposals in time. Encouraging the Mechanical and Civil Engineering departments to start the consultancy work by utilizing the available lab facilities.
- ❖ Biometrics: There is a biometric system in place to avoid human bias in the time of reporting and to eliminate ambiguity in handling the human resource. This is also an innovative tool to bring in transparency in the attendance management system.
- ❖ 24x7 Wi-Fi facility (indoor and outdoor)
- ❖ Computerised Access System in Library: The central library has been computerized. The library has OPAC system for computerized accessing of books.
- ❖ Industry Institute Interaction and Entrepreneurship Development cell: III and ED cells help the institution to organize the guest lectures by experts from the industry. Eminent speakers from various fields help our students to learn and upgrade the recent technologies.
- ❖ Staggered lunch time for first year and senior students.
- ❖ Attendance information to the parents through “Campus Management System”
- ❖ Regular academic performance reports of students being sent to parents.
- ❖ Parents and Teachers meeting periodically.
- ❖ Faculty self-appraisal system (Cash prize, awards, giving mementoes for senior faculty to respect them)

- ❖ Awarding merit students with cash prize.
- ❖ Feedback from students on regular basis to rate the faculty on scale 0 to 10 on the basis of teaching, subject knowledge, interaction, regularity and presentation.
- ❖ Feedback from other Stakeholders: Apart from students, feedback is also obtained from employers, industry experts, alumni and parents on the scope for improvement in respect of curriculum, syllabus and employability skills of students for academic and infrastructural development.
- ❖ Dedicated Examination portal: From this portal student can login with his/her roll number to see his/her results and having a facility to get online print of his/her transcripts.
- ❖ Assistantship programmes in all depts. to selected M.Tech. Students under TEQIP.

#### 7.3 Best Practices

##### 7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the College.

###### Best Practice-I:

1. **Title of the practice:** Multi-pronged approach in upgradation of student performance at the college and foundation for his lifelong learning.
2. **Objectives of the practice:**

In order to update the performance of students, various novel practices are adopted. Sincere efforts are made from the time of admission. The initiatives for upgradation of student performance are:

- A. Orientation programmes.
- B. Bridge courses
- C. Remedial classes.
- D. Internships
- E. Industrial tours
- F. Student seminars and workshops
- G. Student technical conferences and symposia
- H. Adjunct lectures
- I. Emphasis on conduct of experiments regularly and effective analysis.
- J. Training programmes/ classes on finishing school concepts.



- K. Encouraging individuals for effective teachers Interaction and.  
L. Training in Introspection or SWOC analysis.

It is expected that student performs well at every stage, so that his confidence grows in order to face the technology world. This exercise creates the initiative, confidence and the necessary drive in the students.

### 3. The context:

It is observed that many youngsters are coming to the engineering programmes without sufficient basic knowledge and awareness of the future requirements in the global village. She/he is provided the knowledge tools and experiences on the practical systems. The aim is to see that she/he performs on par with any student coming out of the quality institutes of National importance like the IITs, central Universities etc.,. A rigorous training is offered with sufficient motivation at every stage of the studies in the college. It is resulting in improving the grades and placements in the top software and hardware industries. The programmes are designed in such a way that the students inculcate sincerity, strategy, regularity and team spirit. They are motivated to work in harmony. The students are motivated to attend all the internal and end semester examinations and perform well.

The administrative and academic systems are sufficiently experienced and well equipped in maintaining the class work schedules, evaluation and curriculum delivery. Student aspiring to scale greater heights in life are exhibiting high level of concentration and sincerity in academic activities.

### 4. The practice:

As the student enters the first year B. TECH programme he is exposed to highly organised course structure. The coverage of course work includes the salient aspects of learning as described below.

- Orientation programme, wherein she/he is given the awareness of the aims, objectives, aspiration, efforts of the college in preparing the best individuals in the light of the excellent facilities available at the college. He will also be given a knowledge as to the engineering programme is different from the routine schedules he had undergone during (10+2) years of study pattern.
- She/he is also explained the enthusiasm he must exhibit in the specialization he had chosen. The scope, applications and opportunities in the world of the specialization are explained by the industrially experienced professionals.

- Bridge courses are carefully designed dealing with some of the fundamental concepts of sciences he has studied during his (10+2) years of study programme.
- Checks on the regularity, assignments, class tests, examinations, held as per the calendar, which take care of the continuous improvement during the study.
- During the programme the students are exposed to industry where he will have a glance at the real life problems and the projects. This is monitored by the Industry Institute Interaction cell of the college.
- Soft skills and Industry internships are a part of the programme. The Training and placement cell takes care of the campus recruitment and training programmes related to technical quiz, Soft skills, and mock interviews. This helps to develop a good initiative, drive and enthusiasm to face the professionals. Some of the classes are handled by experts of industry.
- Guest lectures, seminars, workshops on current and recent developments in technology; adjunct lectures on the topics outside the syllabus are arranged for the benefit of the student. Sometimes the Finishing schools and personality development programmes are held for the final year students wherein he learns and practices many tailor made exercises and attends mock interviews. The well structured brisk programmes prepare the youngsters for the life.
- At times special programmes like company specific training in technical, aptitude and soft skills are held.

### 5. Evidence of Success:

From the rigorous academic schedules followed, it is observed that students are progressing enthusiastically from one semester to the next semester. Feedback and suggestions are taken from every student regarding the student needs to prepare for the Job or further studies they want to pursue or face the society.

The working of the programmes are monitored and reviewed periodically for the regularity, by the college academic committee. This review helps to fine tune / restructure for further improvement with modern ideas and practices.

Improvement in certain specific output parameters relating to student performance are presented below as evidence of success:

- Demand for admission into the college.
- Student academic result
- Placement records
- Further studies.

**6. Problems encountered and resources required:**

Sno	Problem Encountered	Resources required
1.	Variation in academic level at entry point	Bridge courses, tutorial classes and re-medial classes are conducted.
2.	Variation in medium of instruction at (10+2) system.	Separate English classes arranged for the students of local medium of learning.
3.	Non residential structure of the institution.	Hostel accommodation is continuously increased
4.	Students seeking admission are mostly from the local catchment area.	Admission competition is basically local in nature
5.	Continuous study of course	Remedial and make up classes are arranged for poorly motivated students.
6.	Career planning.	Continuous counseling by faculty.
7.	Job prospects.	Identification of opportunities and skill required for employability.

**Best Practice II:**

1. **Title of the Practice:** Faculty development programme for better performance in teaching and research.

2. **Objectives of the practice:**

To motivate faculty to deliver the subject enthusiastically in an articulated fashion by good pedagogical training practices and awareness of the programmes related to advancements in technology.

It is observed that the orientation and refresher programmes are highly beneficial to the faculty. They are truly refreshed by inputs and have shown enhanced enthusiasm which could be transferred to the students. It is realized that the students have shown improvement in their performance.

Intended concepts: These are executed through the following ideas

- ❖ Pedagogical training on modern teaching methods.

- ❖ Effective teaching in core subjects.
- ❖ Industry Institute Interaction
- ❖ Industrial tours.
- ❖ Encouragement and Involvement in Research leading to Ph.D.
- ❖ Involvement in R & D and Consultancy projects
- ❖ Use of e- Class rooms in teaching
- ❖ Technical lectures on emerging areas by academic and Industry professionals.
- ❖ Self appraisal reports
- ❖ Student feedback on faculty, curriculum and Institution.
- ❖ Adjunct lectures
- ❖ Efficiency in main project design and implementation for UG and PG students.
- ❖ Special programmes on student mentoring.
- ❖ Motivation of teachers by presenting cash or appreciation certificates.
- ❖ Group discussions and brain storming sessions on better teaching approaches.
- ❖ Curriculum development and updating of knowledge tools
- ❖ Sharing and discussions with peers of technical professional societies like IEEE, ISTE, ASME, CSI, IETE, IGS, ICE and their journals.

3. **The Context:**

THE CONTEXTUAL FEATURES AND CHALLENGING ISSUES:

It has been observed that the students output was not up to the expectations of the parents and the management. This may be due to various reasons like that all are not exceptional who can focus well on studies. Their thinking may be influenced by previous experiences of inability to listen and think carefully and analytically due to several maladies in the Indian education system.

The challenging task is to see the students pay full attention during class and lab work. These features are possible in any individual. To make the student to concentrate more, teacher's presentation must be in tune with the thinking of the students. At this juncture, both the student and teacher need to put efforts to synchronize the teaching and learning process which enhances the grasping capability of the student.

#### 4. The Practice:

Several technical talks, training programmes on pedagogy dealing with knowledge tools at different levels are conducted.

In order to motivate in adoption of latest pedagogical techniques various approaches are adopted.

Famous guest speakers are invited from other reputed educational and research institutes like IIT, NIT, Central University, BITS Hyderabad and DRDO for delivering the lectures on teaching techniques and other engineering topics. This creates an awareness of certain unknown concepts and skills of presenting the known concepts of technical subjects.

Industry professionals during their presentation create interest in practical work in the mind of teachers which in turn could be transferred to the students.

Every time it is highly essential to create awareness for new technologies, real life experimental situations and skills of creating interest in the minds of the students.

#### 5. Evidence of Success:

The following parameter reveals the rate of success:

- ❖ Academic results
- ❖ Evaluation of the results
- ❖ Performance against targets
- ❖ Reviews
- ❖ Approach college academic council for any changes in academic regulation and curriculum.

The performances were reviewed for every 6 months and the feedbacks from students have shown good improvement

#### 6. Problems encountered – resources required – problems identified in implementing

Sno	Problem Encountered	Resources required
1.	Variation in academic level at entry point	Bridge courses, tutorial classes and remedial classes are conducted.
2.	Variation in medium of instruction at (10+2) system.	Separate English classes arranged for the students of local medium of learning.
3.	Non residential structure of the institution.	Faculty residential accommodation is to be provided
4.	Most of new recruits are fresh graduates	Through faculty induction, orientation and FDP programme faculty is trained.
5.	In house main project, mini project and seminars by senior faculty	Laboratory and library facilities are upgraded
6.	Promotional avenues	Promotions are considered regularly

*Any additional information regarding Innovations and Best Practices, which the College would like to include*

**Evaluation Report**

**Evaluation Report by Civil Engineering Departments**

**1. Name of the Department & its year of establishment  
Civil Engineering**

Program of Study	Description
UG In Civil Engineering	Started with 60 seats in 2004. Intake increased to 120 in 2009. Intake increased to 180 in 2014
PG In Civil Engineering	M.Tech (Structural Engineering) was started in 2010 with an intake of 18. M.Tech (Geotechnical Engineering) was started in 2013 with an intake of 24. M.Tech (Transportation Engineering) was started in 2013 with an intake of 24.

**2. Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

UG: B.Tech, Civil Engineering  
 PG: M.Tech Structural Engineering  
 M.Tech Geotechnical Engineering  
 M.Tech Transportation Engineering

**3. Interdisciplinary courses and departments involved : NIL**

**4. Annual/ semester/choice based credit system**

**UG (B.Tech):** Semester based credit System.  
**PG (M.Tech):** Semester based credit System.

**5. Participation of the department in the courses offered by other departments**

S.No	Name of the Subject	Services to the other Departments	Year and Sem.	Credits
1	Environmental Science	Electronics & Communication Engineering	II Year II Sem.	3

S.No	Name of the Subject	Services to the other Departments	Year and Sem.	Credits
		Department		
2	Environmental Science	Electrical & Electronics Engineering Department	II Year I Sem.	3
3	Environmental Science	Computer Science Engineering Department	II Year I Sem.	3
4	Environmental Science	Information Technology Department	II Year I Sem.	3
5	Environmental Science	Mechanical Engineering Department	II Year II Sem.	3
6	Environmental Science	Mining Department	II Year II Sem.	3
7	Surveying-I	Mining Department	III Year I Sem.	4
8	Surveying Lab-I	Mining Department	III Year I Sem.	2

**6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

Designation	Sanctioned	Filled
Professors	5	5
Associate Professors	8	8
Asst. Professors	24	24

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

S.No	Name of the Faculty	Qualifications	Designation	Specialization	No. of Years of Experience
1	Dr. P.Rajasekhar	M.Tech,Ph.D	Professor	Geo-Technical Engineering	20
2	Dr.M.Kameshwar rao	M.Tech,Ph.D	Professor	Structural Engineering	20
3	Dr.K.V Ganesh Babu	M.Tech,Ph.D	Professor	Transportation Engineering	18
4	Dr. C.Srinivasa Gupta	M.Tech,Ph.D	Professor	Engineering Geology	25
5	Dr.M.Srinivasa Reddy	M.Tech,Ph.D	Professor	Structural Engineering	20
6	Gude Rama Krishna	M.Tech, (Ph.D)	Assoc Professor	Structural Engineering	6
7	Dr. P.Sri latha Reddy	M.Sc,Ph.D	Assoc Professor	Environmental Science	5
8	Dr. P.Saritha	M.Sc,Ph.D	Assoc Professor	Environmental Science	8
9	G.R.R Haritha	M.Tech, (Ph.D)	Assoc Professor	Structural Engineering	7
10	Mr. Uma Maheswar	M.Tech	Assoc Professor	Environmental Engineering	8
11	G.Kavitha Reddy	M.Tech	Assoc Professor	Structural Engineering	6
12	Dr.A.Raju	M.Tech,Ph.D	Assoc Professor	Remote sensing & GIS	2
13	P.Rajasekhar Reddy	M.Tech, (Ph.D)	Assoc Professor	Structural Engineering	18
14	V.Ranjith Kumar	M.Tech	Asst Professor	Transportation Engineering	3
15	B.Vamsi Krishna	M.S	Asst Professor	Structural Engineering	4
16	D.Srinivas Nayak	M.Tech	Asst Professor	Geo-Technical Engineering	2
17	Mannan Hussain	M.Tech, (Ph.D)	Asst Professor	Construction Management	4
18	Asra Fathima	M.Tech, (Ph.D)	Asst Professor	Construction Management	4
19	D.Srikanth	M.Tech	Asst Professor	Structural Engineering	2

S.No	Name of the Faculty	Qualifications	Designation	Specialization	No. of Years of Experience
20	K.Jaya Sundar	M.Tech	Asst Professor	Transportation Engineering	1
21	R Naga Sujatha	M.Tech	Asst Professor	Water resources engineering	8
22	T.Sandeep	M.Tech	Asst Professor	Structural Engineering	3
23	S Ashok Kumar	M.Tech	Asst Professor	Structural Engineering	3
24	S.Uday Kumar	M.Tech	Asst Professor	Transportation Engineering	3
25	P.Ganeshyam	M.Tech	Asst Professor	Transportation Engineering	1
26	T.S Ramesh Babu	M.Tech, (Ph.D)	Asst Professor	Structural Engineering	2
27	A.Surya Prabha	M.Tech	Asst Professor	Structural Engineering	2
28	L.Hema Kumar	M.Tech	Asst Professor	Structural Engineering	2
29	G.Nithesh	M.Tech	Asst Professor	Geo-Technical Engineering	1
30	Zareena Begum	M.Tech	Asst Professor	Geo-Technical Engineering	8
31	Syed Waheed Ameer	M.Tech	Asst Professor	Structural Engineering	1
32	T.N. Vamsi Krishna	M.Tech, (Ph.D)	Asst Professor	Structural Engineering	3
33	Waheedha Begum	M.Tech	Asst Professor	Structural Engineering	1
34	R.Arun kumar	M.Tech	Asst Professor	Structural Engineering	1
35	I.Srikanth	M.Tech	Asst Professor	Structural Engineering	1
36	G.Anusha	M.Tech	Asst Professor	Geo-Technical Engineering	1
37	P.Ramu	M.Tech	Asst Professor	Structural Engineering	1

8. Percentage of classes taken by temporary faculty – programme-wise information :

NIL

9. Programme-wise Student Teacher Ratio

UG-15:1

PG-12:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Staff	Sanctioned	Filled
Technical Staff	12	12
administrative staff	4	4

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Sno	Name of the Principal Investigator	Funding Agency	Grants Received
1	Dr. P.Raja Sekhar	UGC	Rs 2,40,000
2	Dr. P.Saritha	UGC	Rs 2,50,000

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

AICTE funding projects: Applied

13. Research facility / centre with

- State recognition: We are trying to get the recognition from JNTUH University for Research Centre in the field of Structural Engineering.

- national recognition

- international recognition

14. Publications:

\* Number of papers published in peer reviewed journals (national / international) - 35 Nos

\* Monographs -Nil

\* Chapter(s) in Books -7

\* Editing Books -Nil

\* Books with ISBN numbers with details of publishers -1

Title: Improvement of Road Safety by Application of Variable Message Signs

ISBN NO: 978-3-639-36297-8  
 Publishers:VDM Verlag Dr.Muller GmbH & Co.KG

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)** : Nil
- \* **Citation Index – range / average** : Nil
- \* **SNIP** : Nil
- \* **SJR**: Nil
- \* **Impact factor** – 0.8 to 3.
- \* **h-index** : Nil

15. **Details of patents and income generated** -Nil

16. **Areas of consultancy and income generated**

S.no	Areas	Annual Income In Rs
1	Structural Engineering	4,00,000.00
2	Transportation Engineering	2,00,000.00
3	Geo Technical Engineering	1,00,000.00

17. **Faculty recharging strategies**

In- Campus Faculty Development Programme

S No	Name of The Event	Date	Developed
1.	It workshop	6th & 7th Jun-2008	D. Laxmikanth Rao (MREC)
2.	Refresher course on teaching methodologies for faculty in civil engineering	19th & 20th Dec-2008	G. Venkata Ramana (MREC)
3.	Engineering drawing	26th & 27th June-2009	N. Jyothi Reddy (MREC)
4.	Refresher course on teaching methodologies for faculty in civil engineering	20th & 21st Nov-2009	K. Vijaya Sree (MREC)
5.	FDP on effective teaching & communication skills	19th & 20th Jun-2010	Dr. K.V.Ganesh (MREC)
6.	Structural steel design & application for college faculty	29th & 30th Nov-2010	Grr Haritha (MREC)
7.	Effective teaching & communication skills	24th & 25th Jun-2011	S. Suresh (MREC)
8.	Refresher course on teaching methodologies	9th & 10th Dec-	Krishna Mohan

S No	Name of The Event	Date	Developed
	for faculty in civil engineering	2012	(MREC)
9.	Faculty development programme on recent advances in highway & traffic engineering	16th & 17th Aug-2013	Dr. K.V.Ganesh (MREC)

Out- Campus Faculty Development Programme

S No	Title	Date	Developed
1.	Isotope Tracker Techniques for Water Resources Development & Management	Feb-2008	JNTUH
2.	Design of Earth Quake Resistance Structures	Mar-2008	BEC, Karnataka
3.	RS & GIS Applications for Water & Environment Technologies	Aug-2008	JNTUH-UGC
4.	Water & Environment	Mar-2009	JNTUH-IST
5.	High Performance Steel Fiber Reinforced Concrete for Seismic Resistant Structures	May-2009	NIT, Calicut
6.	High Rise Structures	May-2009	JNTUH
7.	Geomatic Applications for Sustainable Water Resources & Environment	Jun-2009	JNTUH-UGC
8.	High Impact Teaching Skills	Nov-2009	Dale Carnegies Associates
9.	Three Day Induction Training Programme for Teachers of Engineering Colleges	13th-15th Sep 2009	Nit, Warangal
10.	Design Of Experimental Setups for Engineering Practice	25th & 26th Aug-2010	Nit, Warangal
11.	Remote Sensing & GIS	14 Aug-2010	Scientist F, NRSC
12.	FDP on STRUDS- Structural Design Software	16 Aug-2010	Manager, Softech Engg
13.	Air Pollution & Control	20 Sep 2010	JNTUH
14.	Advanced Techniques in Geotechnical Engineering	04 Oct 2010	Andra University, Vizag
15.	Summer School/ Refresher Course on Communication Skills	6th & 7th Jun 2011	JNTUH
16.	FDP on Impact & Flexural Behavior of High Volume Fly ash Concrete Using Grout Materials	14th & 15th Aug-2011	NIT, Warangal
17.	FDP on Design Construction & Maintenance of Rural Roads Under PMGSY	25-27th Oct 2011	NIT, Warangal
18.	FDP on Candy Software	8th & 9th Dec-2011	Anil Neerukonda Educational Society
19.	Training Programme on STADD.PRO	15th-17th Dec-2011	VIT, Madras

S No	Title	Date	Developed
20.	FDP on Software Development In Civil Engineering	12th & 13th Mar 2012	SKIT, Srikalahasthi
21.	FDP on Emerging Trends In Civil Engineering	3rd & 4th Apr 2012	Vidya Nikethan Engg College
22.	FDP on Soft skills & Communication	15th-17th Jun-2012	Andra University, Vizag
23.	FDP on Strap Software Learning	Oct-2012	MRIT
24.	FDP on Teaching Skills & Practical Approach In Civil Engineering	Dec-2012	MRITS
25.	FDP on STRUDS Structural Design Software	Feb-2013	CMR College
26.	FDP on opportunities In Civil Engineering	Jun-2013	MRIT
27.	FDP on Advanced Techniques in Geotechnical Engineering	Aug-2013	JNTUH

In- Campus Workshops

S No	Title	Date	Developed
1.	One day workshop on practical applications in civil engineering	29th July 2013	MREC
2.	Two days workshop on advanced survey techniques in civil engineering	1-2 April 2013	MREC
3.	Two day workshop on recent advances in civil engineering (RACE-2013)	3rd & 4th April 2013	MREC
4.	Two day workshop on mathematical applications for engineering services	30th & 31st Mar 2012	MREC
5.	One day workshop on seismic analysis & design & GIS	6th Mar 2010	MREC
6.	Two day workshop on green building	24, 25th Mar 2012	MREC
7.	One day workshop on applications in civil engineering	3rd April 2013	MREC
8.	One day workshop on water resources engineering & management	9 Mar 2014	MREC
9.	National workshop on waste management in urban areas	24-25 Sep 2008	MREC
10.	Workshop on durability of concrete	14 Feb 2009	MREC
11.	Corrosion of steel reinforcement workshop on durability of steel	Mar 2009	MREC
12.	One day workshop on “urbanization a case study on Hyderabad city”	Dec 2010	MREC

S No	Title	Date	Developed
13.	Best design practices in construction of rural roads	11 Jan 2011	MREC

Out- Campus Workshops

S No	Title	Date	Developed
1.	Workshop on effective communication skills	7th Jan 2012	MRECW
2.	One day workshop on river sand mining management & EIA conducted	22 Feb 2013	JNTUH
3.	2 day workshop on “ geomatic applications for water resources management”	16-17 Mar 2009	OU
4.	1 day national seminar on “ water & nature needs and challenges”	22 Mar 2009	OU
5.	2 day training programme on special concrete	23 Mar 2009	OU
6.	2 day training programme on “ urban storm water management issues & challenges”	20-21 Feb 2010	OU
7.	Two day workshop on emerging trends in water supply sector	13-14th Apr 2010	NIT, Warangal
8.	A three day workshop on “ advances in flexible pavement design”	15-17th Mar 2012	NIT, Warangal
9.	Two day workshop on good construction practices	17-18 Aug 2012	OU
10.	Condition assessment of concrete buildings basics importance & methods	Aug-2013	Anil Neerukonda Educational Society
11.	Two day workshop on stadd.pro in association with pro India	Mar 2009	Anil Neerukonda Educational Society
12.	Workshop on seismic design of building national institute of technology	28-30th Sep 2012	Anil Neerukonda Educational Society
13.	One day workshop on remote sensing & GIS	14.08.2011	VNRVJIT
14.	Air pollution & control	16.12.2011	VNRVJIT

**18. Student projects**

- o **percentage of students who have done in-house projects including inter-departmental**

S.No	Academic Year	Programme	Percentage of students who have done in-house projects
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1	2014-2015	B.Tech	70.00% (98)
2	2013-2014	B.Tech	55.7%(78)
3	2012-2013	B.Tech	60.71%(85)
4	2011-2012	B.Tech	50%(61)

S.No	Academic Year	Programme	Percentage of students who have done in-house projects
1	2014-2015	M.Tech	55.55%(10)
2	2013-2014	M.Tech	42.8%(6)
3	2012-2013	M.Tech	55.5%(5)

• **percentage of students doing projects in collaboration with industries / institutes**

S.No	Academic Year	Programme	Percentage of students doing projects in collaboration with industries / institutes
1	2014-2015	B.Tech	20.00% (24)
2	2013-2014	B.Tech	35.00%(42)
3	2012-2013	B.Tech	25.00%(35)
4	2011-2012	B.Tech	65.80%(79)

S.No	Academic Year	Programme	Percentage of students doing projects in collaboration with industries / institutes
1	2014-2015	M.Tech	11.11%(2)
2	2013-2014	M.Tech	28.51%(4)
3	2012-2013	M.Tech	33.33%(3)

**19. Awards / recognitions received at the national and international level by**

- **Faculty -1**(Dr.A.Raju- Young Scientist Award)
- **Doctoral / post doctoral fellows -2**

S.No	Name	Ph.D	Year
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1	Dr.A.Raju	Remote sensing & GIS	2014
2	Dr.P.Srilatha	Environmental Science	2013

○ **Students**

S.no	Name	Title	Description	Date
1	E.Rakesh Reddy	College ambassador	He is complete ambassador for entire college taking the projects to IIT, NITS and Universities.	01/08/2013
2	Lokesh (II Year) Spandhana (II Year)	Walamtari (a society under I & CAD) Govt.of A.P.	Irrigation canal automation system Model Presentation by Civil III Year students	20/03/2014
3	Rakesh Reddy (IV Year) Haritha Reddy (IV Year)	Water resource management software training	St-Martins Engineering College, Hyderabad	17/08/2014
4	Ayesha Syeda (IV Year) Shrujal Barvaliya (IV Year)	Paper presentation on green buildings	Birla Institute of Technology and Sciences, Hyderabad	12/10/2014
5	Ayesha Syeda (IV Year) Shrujal Barvaliya (IV Year)	A case study on bamboo as green building material	International Journal of Engineering and Advanced Technology™ (IJEAT)* publish at Volume-4 Issue 2	2, December 2014:

**20. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.**

S.No	Name of the Event	Year	National/ International	Source of Funding	Eminent Scholar participants
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1	Emerging trends in science, technology & management (NCETSTM 2K14)	2014	National	Under TEQIP II S.C-1.1	Sreenivassulu Dandagala
2	Role of civil & mechanical engineer in development of society (RCMS 2K13)	2013	National	Under TEQIP II S.C-1.1	S.A.Agnihotri S.V.Abhishek

#### Workshops

S.No	Name of the Event	Year	National/ International	Source of Funding
1	Advanced techniques in disaster management and mitigation(atdmm2k14)	2014	National	Under TEQIP II S.C-1.1
2	One day workshop on water resources engineering & management	2014	National	Under TEQIP II S.C-1.1
3	One day workshop on practical applications in civil engineering	2013	National	Under TEQIP II S.C-1.1
4	Two days workshop on advanced survey techniques in civil engineering	2013	National	Under TEQIP II S.C-1.1
5	Two day workshop on recent advances in civil engineering (race-2013)	2013	National	Under TEQIP II S.C-1.1
6	One day workshop on applications in civil engineering	2013	National	Under TEQIP II S.C-1.1
7	Two day workshop on green building	2012	National	Under TEQIP II S.C-1.1
8	Best design practices in construction of rural roads	2012	National	Under TEQIP II S.C-1.1
9	Two day workshop on mathematical applications for engineering services	2011	National	Under TEQIP II S.C-1.1

#### 21. Student profile course-wise:

Name of the Course (Refer Question no 2)	Applications Received Under Management	Selected		Selected		Pass Percentage	
		M	C	Male	Female	Male	Female
B.Tech(2010-14)	144	36	84	90	30	96.2%	100%
B.Tech(2009-13)	115	36	84	85	45	90%	100%
B.Tech(2008-12)	66	18	42	40	20	93.7%	100%
B.Tech(2007-11)	60	18	42	35	25	87.5%	100%
M.Tech: SE (2012-14)	24	6	11	12	5	83.3%	40%
M.Tech: SE (2011-13)	18	6	8	9	5	100%	40%
M.Tech: SE (2010-12)	18	4	5	6	3	100%	33%

\* M- Management: 30% \* C- Convener: 70%

#### 22. Diversity of Students

Name of the Course (Refer Question no 2)	% of Students from the College	% of Students from the State	% of Students from other State	% of Students from other Countries
B.Tech	NA	90%	10%	NA
M.Tech(SE,GTE & TE)	20%	70%	10%	NA

#### 23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S.No	Exam	2014-15	2013-14	2012-13	2011-12
1	CIVIL SERVICES	NIL	NIL	NIL	NIL

2	DEFENSE SERVICES	2	NIL	NIL	NIL
3	NET	NIL	NIL	NIL	NIL
4	GATE	4	3	2	03
5	GRE	10	13	14	10
6	TOEFL/IELTS	10	20	15	15

**24. Student progression**

Student progression	Percentage against enrolled			
	2010-11	2011-12	2012-13	2013-14
UG to PG	15%	15%	15%	15%
PG to M.Phil	-	-	-	-
PG to Ph.D	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed				
• Campus selection	10%	10%	20%	25%
• Other than campus recruitment	40%	50%	45%	50%
Entrepreneurs	10%	10%	10%	10%

**25. Diversity of staff**

Percentage of faculty who are graduates	
	2013-14
of the same parent university	60%
from other universities within the State	20%
from other universities from other States	20%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. -02**

S.No	Name	Ph.D	Year
1	Dr.A.Raju	Remote sensing & GIS	2014
2	Dr.P.Srilatha	Environmental Science	2013

**27. Present details about infrastructural facilities**

a) **Library** : Yes

Item	UG	PG	Total
No of Titles	750	214	964
No of Volumes	6140	1586	7726
Print Journals	18	-	18
e-Journals	395	84	479

b) **Internet facilities for staff and students** : Yes

Name of the Internet provider : Vainavi Pvt Limited  
 Available bandwidth : 80 mbps  
 Access speed : 80 mbps  
 Availability of Internet in an exclusive lab : YES, Computer Center  
 Availability in most computing labs : All computer labs  
 Availability in departments and other units : YES  
 Apart from Wired Connectivity, WiFi Facility is also available in entire

Availability in faculty rooms : YES  
 Institute's own e-mail facility to faculty : YES  
 Email facility to students : YES  
 Security/privacy to e-mail/Internet users : YES

- c) **Total number of class rooms** : 12
- d) **Class rooms with ICT facility** : 06
- e) **Students' laboratories** : 13
- f) **Research laboratories** : 02

Physical Laboratories	Exclusive use / shared	Space, number of students
Year: II/IV Lab: Strength of Materials Laboratory	Shared	66.9/34
Year: II/IV Lab: Survey Laboratory	Exclusive use	66.9/34
Year: II/IV Lab: Hydraulics & Hydraulic Machines Laboratory	Shared	66.91/33

Year: II/IV Lab: Computer Aided Design Laboratory	Exclusive use	89.66/33
Year: III/IV Lab: Geology Laboratory	Exclusive use	117.94 /33
Year: III/IV Lab: Geotechnical Engg.	Exclusive use	117.94/33
Environmental Engineering Lab	Exclusive use	66.91/33
Year: III/IV Lab: Concrete &Highway Materials Testing Lab	Exclusive use	193.24/33
Year: IV/IV Lab: GIS & Cad Laboratory	Exclusive use	89.66/33

**28. Number of students of the department getting financial assistance from College.**

The college given financial assistance to 10 M.Tech Students from TEQIP funds.

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

The BOS subcommittee will frame the curriculum and the same is send to department BOS committee for finalizing the programme/curriculum.The BOS committee is constituted as per UGC Autonomous guidelines. The Department has a BOS (Board of Studies) Committee which consists of members from various reputed Institutes (like IIT, NIT, JNTUH), from Industries, one member nominated from affiliating university, senior faculty members in the department. The department will conduct the BOS meeting once in a year. Based on the suggestions made by the BOS members the department will finalize the programme/curriculum.

**30. Does the department obtain feedback from**

**a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

YES

- ❖ The department will take the feedback from all faculties regarding the curriculum in their respective subjects.
- ❖ HOD along with the senior faculty will discuss the suggestions and same

will be forwarded to BOS committee for necessary actions.

**b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**  
YES

- ❖ The department will take the feedback from the students regarding the staff, curriculum and Teaching-learning-evaluation for every subject.
- ❖ HOD along with the senior faculty will discuss the feedback given by the students regarding curriculum. It will be discussed in departmental BOS subcommittee and forwarded to BOS committee for necessary actions.
- ❖ HOD along with the senior faculty will evaluate the feedback given by the students regarding staff and Teaching-learning-evaluation, if any of the staff will get less feedback the HOD gives the necessary suggestions to improve them self.

**c. Alumni and employers on the programmes and what is the response of the department to the same?**

Yes.

- ❖ The department will take the feedback from Alumni every year and the suggestions made by the Alumni regarding the improvement of department, HOD will discuss with Principal and Management for necessary actions.
- ❖ The department will take the feedback from Employers and the suggestions made by them regarding placements are discussed with the Principal and placement coordinator for necessary action.

**31. List the distinguished alumni of the department (maximum 10)**

S.No	Name	Company
1	R.Tharun Kumar Reddy	Geosys as AE
2	Erram Rakesh Reddy	Contract Employ as AE
3	I Srikanth	Asst Professor
4	Kalyanrao	Idea Consultants as AE
5	L.Venugopal Reddy	Dolphin Infra Pvt Ltd as AE
6	P. Ramu	S.K.Associates as AE
7	R.Arun Kumar	Site Engineer
8	R. Harikrishna	AEE
9	B.Swathi	AEE

S.No	Name	Company
10	Syed Waheedda Begum	R.V.Associates as AE

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

S. No	Name of The Event	Date	Speakers & Designation	No of Students Benefited
1	Construction Safety	11/12/2014	MR. H.V.S.N. Murthy	151
2	Guest Lecturer in Water Resources and Management	25/04/2014	Dr.G K Viswanath Professor in Civil Engineering	120
3	One Day Work Shop Recent Advancements in Civil Engineering	27/04/2014	Speaker-I Dr.M Janardhana Assoc.Professor Structural Engg.	120
			Speaker-II Dr.M Kumar	125
			Speaker-III G V Narsimha Reddy	130
4	Industrial Guest Lecture on Project Management of Hyderabad Metro Rail	14/07/2014	H.V.S.N Murthy (Assistant General Manager Viaduct,L&T Metro Rail,Hyd)	125
5	Academic Guest Lecture on "Quality Control And Quality Assurance in Concrete" Under Teqip-II-S.C-1.1	25/07/2014	Dr.V.Bhikshma (Professor in Civil Engineering Department, Osmania University, Hyderabad)	128
6	Indian Geo-Technical Society (IGS), Seminar	28/08/2014	Dr. P.Rajasekhar D. Srinivas Naik G. Srikar	130
7	UGC Major Projects Submitted	30/08/2014	Dr. P. Rajasekhar, G. Rama Krishna	130

8	Academic Guest Lecture on "Innovative Bridge Design"	25/08/2014	Dr. P.Rajasekhar Professor In Civil Engineering M R E C	130
9	Practical Applications of Civil Engineering	29/07/2013	Dr. Sai Baba Reddy Dr. K.M Laxman Rao	130
10	Introduction of L&T Metro Rail Hyderabad	22/08/2013	Ch. V. Ramamurthy	128
11	Indian Railways And Project Management	28/09/2013	Ch. V. Ramamurthy	130

**33. List the teaching methods adopted by the faculty for different programmes.**

- ❖ The students are provided with state of the art infrastructure, technology and equipment required to carry on the teaching process.
- ❖ The teaching methods adopted are well in consonance with the industry needs and are updated on a regular basis
- ❖ Regular Industrial visits in respective fields are provided to the students for practical exposure.
- ❖ Training for campus placement and aptitude, English labs for effective communication, seminars by in-house faculty and guest speakers etc are also arranged.
- ❖ The skills and knowledge of the teachers are upgraded regularly to make them well verse with the latest industry trends so that they can impart knowledge of latest trends and techniques to the students through Faculty development programmes.

Apart from these, some regular practices used by the faculties are:

- 1) Lecture with discussions
- 2) Lecture with a quiz
- 3) Tutorial
- 4) Innovative and relevant Lab-work
- 5) Organizing Workshops and Seminars
- 6) Presentations and Demonstration of Models
- 7) Group Discussion
- 8) Class Assignment
- 9) Project
- 10) Seminar Presentations by students
- 11) Inspiring the Students
- 12) Counseling of students

- 13) Remedial Classes  
 14) Industrial visit  
 15) E-learning through E-journal (IEEE, ELSEVIER, and SPRINGER etc.) and NPTEL lectures available in our digital library and College website

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

- ❖ Various Committee's constituted at Department and college level to ensure whether the programme objectives are constantly met and learning outcomes monitored or not.
- ❖ Various tools and processes used in assessment of the achievement of the programme outcomes. The process is based on direct and indirect assessments for the attainment of programme objectives are listed below:

**Direct assessments:** Measurement of student learning throughout a course using internal tests, university examinations, assignments, lab work, demonstrations, Tutorials, Presentations, project work and reports. These provide a sampling of what students know and/or can do and provide strong evidence of student learning.

**Indirect assessments:** Measurement of certain qualities of students learning, such as values, perceptions and attitudes, from a variety of perspectives and how this learning is valued by different constituencies. Indirect methods provide a valuable supplement to direct methods and are generally part of a good assessment program.

A meaningful assessment program would use both direct and indirect assessments from a variety of sources (students, alumni, faculty, employers etc). This use of multiple assessment methods provides converging evidence of student learning. The table below illustrates examples of Direct and Indirect assessments.

The direct and indirect assessment of the attainment of PEO's

Methods	Tools
Direct	Exams, Assignments, Projects, Tutorials, labs, Presentations, Project work
Indirect	Employer's Survey, Student feedback, Alumni Survey, Exit Survey, Placement Record, Higher Education

**35. Highlight the participation of students and faculty in extension activities.**

Our staff and students are actively participated in the extension activities like NSS. The following are the contributions of both student and faculty towards social responsibility.

Schedule of events taken up for the Academic Year 2013-14

S.No	Date	Particulars	Venue
1	15-08-2013	Independence Day	Malla Reddy Engineering College
2	23-11-2013	Blood Donation	Malla Reddy Engineering College
3	23,30 Nov; 7,14 Dec	Dental Check up Camp	Malla Reddy Engineering College
4	1-12-2013	Worlds Aids Day	Lalitha Kala Thoranam
5	26-01-2014	Republic day	Malla Reddy Engineering College
6	21-02-2014	Launch of National youth Policy and RGKA.	JNTUH, Hyderabad

**36. Give details of "beyond syllabus scholarly activities" of the department.**

S. No.	Name of The Event	Date	Speakers & Designation	Number of Students Benefits
1	Finishing School Program on Stadd Pro Started For Iv-B Section	25/04/2014	Procad Technologies Pvt Ltd	58
2	Finishing School Program on Auto Cadd Started For III-A & B Section	24/07/2014	Procad Technologies Pvt Ltd	115

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details. YES**

- ❖ The Department got NBA Accreditation for a period of two years from July 2014.

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department****Strength:**

1. Department is Accredited by NBA
2. Department is conducting various job oriented programmes for better opportunities
3. MOU with various core industries
4. Department is motivating students to involve in various research activities and innovative ideas
5. Department is lagging with high level of research activities

**Weakness:**

- 1) Communication skills of students need to be improved, majority of them comes from very poor and rural background.
- 2) International academic tie-up need to be improved for enhancing the content of syllabus on par with the reputed professional colleges.
- 3) Faculties with industrial experience need to be improved,
- 4) Improving the consultancy activities.
- 5) Technology transfer partnership model is yet to be developed in the department.
- 6) The college is yet to develop the residential and recreational facilities for the faculties.

**Opportunities:**

- 1) Situated very close to the Second Silicon City of India, Hyderabad, the students faculties have very good opportunities to work closely with the industries.
- 2) With the development of the interdisciplinary curriculum, to meet the job requirements of CE students.
- 3) Student exchange programme with institutions abroad are possible.
- 4) A faculty with research and development motive is always having an opportunity to work in the state of the art research facilities in the department for growth.

**Challenges:**

- 1) Unpredictable development of technology and trends, achieving a placement of 100 % students is a real challenge.
- 2) Students admitted in the department come from different back ground like socio economic culture, bringing them to the common platform & achieve the long term goals is challenging.
- 3) Decline in the supply of quality faculty and students.

**39. Future plans of the department.**

1. We are going to organize research oriented programmes
2. Enhancing in consultancy works
3. To establish an International Journal for Civil Department
4. To train students in Practical oriented basis

**Evaluation Report of the Electrical and Electronics Engineering Department****1. Name of the Department & its year of establishment**

**Electrical & Electronics Engineering Department** established in year 2002.

**2. Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Course	Intake
UG Course in Electrical & Electronics Engineering	- 120.
PG Course in M.Tech (Control Systems) Shift-I	-18
PG Course in M.Tech (Control Systems) Shift-II	-18
PG Course in M.Tech (Control Engineering)	- 18
PG Course in M.Tech (Power Electronics and Electric Drives)	- 24
PG Course in M.Tech (Electrical Power Systems)	- 24

**3. Interdisciplinary courses and departments involved NO****4. Annual/ semester/choice based credit system**

UG- Semester based Credit System.

PG- Semester based Credit System.

**5. Participation of the department in the courses offered by other departments****UG:**

S.No	Name of the subject	Services to the other dept.	Year/sem	Credits
1.	Electrical Circuits	ECE	II /I	04
2.	PEE	ECE	II /I	04
3.	Basic Electrical engineering	ME	II /I	04
4.	Basic Electrical engineering	CSE	II /I	04
5.	Basic Electrical engineering	IT	II /I	04
6.	Basic Electrical engineering	CIVIL	II /II	04
7.	Basic Electrical engineering	MINING	II /II	04

PG: Nil

**6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professors	07	07
Associate Professors	11	11
Asst. Professors	22	22

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

Sno	Name of the Faculty	Qualification	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1.	Dr. K. V. S. R. Murthy	Ph.D	PE	12	Nil
2.	Dr. P.V.Raja Gopal	Ph.D	PE	30	Nil
3.	DR.J.V.B.Subbrahmanyam	Ph.D	PE	15	Nil
4.	Dr..R.V.Amarnath	Ph.D	PS	32	
5.	Dr.Sreedhar Reddy	Ph.D	CI	17	Nil
6.	Dr.P.H Hari Krishna Prasad	Ph.D	PE	15	
7.	Dr.J.Vijay Kumar	Ph.D	PS	10	Nil
8.	Mrs.M.Lakshmi Swarupa	Ph.D (pursuing)	CS	9	
9.	Ms.G.Suguna	M.Tech	EPS	7	Nil

10.	Mr.P.Sankar Babu	Ph.D (pursuing)	EPS	9	
11.	Mr.P.Kamalakar	M.Tech	PE	7	Nil
12.	Mr.T.Sanjeeva Rao	M.Tech	EPS	7	
13.	Mr.Ch.Venkateswarlu	M.Tech	CS	6	Nil
14.	Mr.Gundlapalli.Sathish	Ph.D(pursuing)	HVE	8	
15.	Mr.J.Sreedhar	Ph.D (pursuing)	PE	8	Nil
16.	Mr.M.Praveen Kumar	M.Tech	PE	9	
17.	Mr. P.Guru Prasanna	M.Tech	PE	7	Nil
18.	Mr.M.Ram Gopal	M.Tech	ITPE	8	
19.	Mr.T.Suman	M.Tech	PE&D	6	Nil
20.	Mr.D.Ramesh	M.Tech	EPE	4	
21.	Mr.S.Ramesh Babu	M.Tech	EPE	4	Nil
22.	Mrs.K.Anitha Reddy	M.Tech	PE	2	



23.	Mr.Ch.Naveen Kumar	M.Tech	APS	3	Nil
24.	Mr. A Nageshwara Rao	M.Tech	EPS	3	
25.	Mr. M.Y.Swamy	M.Tech	EEE	3	Nil
26.	Mr. P.Ramesh Babu	M.Tech	PS	4	
27.	Mr. K.V. Ravi Kumar	M.Tech	EEE	2	Nil
28.	Mr. S.Kiran	M.Tech	EPS	2	
29.	Mr.Shiva Das	M.Tech	PE	3	Nil
30.	Mr .Venu Babu. P	M.Tech	CS	3	
31.	Mr.P.Rajasekhar Reddy	M.Tech	PEED	2	Nil
32.	Mr.K.Ramesh	M.Tech	PID	4	
33.	Mrs.Y.Sudha Reddy	M.Tech	PE	3	Nil
34.	Mrs.S.Bharathi	M.Tech	PEED	3	

35.	Mr.K.Shyam Satya Naga Teja	M.Tech	PE	2	Nil
36.	Ms.D.Alekya	M.Tech	EPS	2	
37.	Mr. P. Ganesh	M.Tech	PE	2	Nil
38.	Mr.AS.Ranga Sai	B.Tech	EEE	30	
39.	Mr. K.Anand Kumar	M.Tech	PE	5	Nil
40.	Mr.D.Srinivasa Rao	M.Tech	APS	2	

**8. Percentage of classes taken by temporary faculty – programme-wise information**

-NIL.

**9. Programme-wise Student Teacher Ratio**

S.No	Programme	Faculty-Student Ratio
1.	PG	12:1
2.	UG	15:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Lab Assistant	16	16
Lab Technician	06	06
Administrative Staff	03	03

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

**National UGC Projects:**

S.No	Name of the Faculty	Designation	Project titles	Project Cost	Project Duration
1.	Mrs. M.Lakshmi Swarupa	Assoc.prof	Load flow Contingency Analysis State Estimation and Optimal Operation	1,80,500/-	6 Months
2.	Mr.P.Sankar Babu	Assoc.prof	Single Phase Bi-directional PWM Converter for Micro-Grid Systems	2,60,000/-	8 Months

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received -NIL.

13. Research facility / centre with

- o state recognition – Seeking from university&State
- o national recognition – UGC & AICTE

14. Publications:

- \* Number of papers published in peer reviewed journals (national / International)  
National Journals – 12  
Inter National Journals – 13
- \* Monographs – NIL.
- \* Chapter(s) in Books – 02.
- \* Editing Books – NIL.

- \* Books with ISBN numbers with details of publishers  
ISBN – 978-935-059-045-4, PEARSON Publications-New Delhi.

ISBN – 978-81-8487-439-6, NAYOSA Publication- New Delhi.

- \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -NIL
- \* Citation Index – range / average -NIL
- \* SNIP -NIL
- \* SJR -NIL
- \* Impact factor – range / average -NIL
- \* h-index -NIL

15. Details of patents and income generated – NIL.

16. Areas of consultancy and income generated –NIL.

17. Faculty recharging strategies

S.No.	Academic Year	FDP's	Workshop's	Seminar's
1.	2011 - 2012	1	2	2
2.	2012 - 2013	2	2	3
3.	2013 - 2014	2	3	4
4.	2014 - 2015	1	2	3

18. Student projects

\*Percentage of students who have done in-house projects including inter-departmental.

S.No	Academic Year	Programme	Percentage of students who have done in-house projects
1.	2014-2015	B.Tech	60% (72)
2.	2013-2014	B.Tech	70% (84)
3.	2012-2013	B.Tech	58% (64)
4.	2011-2012	B.Tech	38% (44)

S.No	Academic Year	Programme	Percentage of students who have done in-house projects
1.	2014-2015	M.Tech	22%(16)
2.	2013-2014	M.Tech	25.6%(10)
3.	2012-2013	M.Tech	22%(7)
4.	2011-2012	M.Tech	24.4%(9)

**\*Percentage of students doing projects in collaboration with industries / institutes.**

S.No	Academic Year	Programme	Percentage of students doing projects in collaboration with industries / institutes
1.	2014-2015	B.Tech	50% (60)
2.	2013-2014	B.Tech	18.3%(22)
3.	2012-2013	B.Tech	40.88(50)
4.	2011-2012	B.Tech	70%(92)

S.No	Academic Year	Programme	Percentage of students doing projects in collaboration with industries / institutes
1.	2014-2015	M.Tech	80%(46)
2.	2013-2014	M.Tech	100%(25)
3.	2012-2013	M.Tech	100%(28)
4.	2011-2012	M.Tech	100%(13)

**19. Awards / recognitions received at the national and international level by**

- Faculty -NIL
- Doctoral / post doctoral fellows -NIL
- Students - SAngeetha C Chenoy & P.Vijay Got Second Position in paper Presentation Conducted by IIT Delhi (2012-13)

**20.Seminars/ Conferences/Workshops organized and the source of funding**

**(National /International) with details of outstanding participants, if any.**

S.N O	Title of the Event	Resource Person	Dates	Source of Funding
1.	An overview of power electronics and its applications	Dr.K.Siva Kumar Asst.Prof, IIT, Hyderabad	10 <sup>th</sup> july-2014	TEQIP
2.	Shunt and series compensation	Dr.A.Sushma Assoc.Prof, JNTUH, Hyderabad	18 <sup>th</sup> Aug 2014	TEQIP
3.	Electrical Production in BHEL and avenues in Power Plant	Vasudevara rao Retd.Exeective directive,BHEL, R.C puram	24 <sup>th</sup> Sep-2014	TEQIP
4.	Power scenario in India and future scope for Engineers for power, other industries and attitudes	Mr.K.Sudarshan Asst.General Manager,NTPCHyderabad	12 <sup>th</sup> Sep-2014	TEQIP
5.	National Conference on “Emerging Trends in Science, Technology & Management”	Mr.A.Amarnath Naresh Technologies Hyderabad	08&09 <sup>th</sup> -2014	TEQIP
6.	A Two Day Workshop on “MATLAB Applications on Control System & Power Electronics”	Mr.J.Praveen Kumar. Mr.Ch.Kiran Kumar Mr.P.Bhanu Prakash	26&27 <sup>th</sup> -2014	TEQIP

21.Student profile course-wise:

Name of the Course (Refer Question no 2)	Applications Received Under category B	Selected		Selected		Pass Percentage	
		Cat A	Cat B	M	F	M	F
B.Tech(2010-14)	92	84	36	75	45	91.60%	100%
B.Tech(2009-13)	98	84	36	79	41	100%	100%
B.Tech(2008-12)	52	42	18	47	13	100%	100%
B.Tech(2007-11)	48	42	18	49	11	100%	100%
M.Tech: CS(SH-I) - 2012-14	12	13	5	15	3	100%	100%
M.Tech: CS(SH-II)- 2012-14	14	11	4	14	2	100%	100%
M.Tech: CE- 2012-14	13	9	5	13	1	100%	100%
M.Tech: CS(SH-I)-2011-13	12	13	4	14	3	100%	100%
M.Tech: CS(SH-II)- 2011-13	14	11	3	12	2	100%	100%
M.Tech: CS(SH-I)-2010-12	14	9	4	12	1	100%	100%
M.Tech: CS(SH-II)- 2010-12	12	9	3	10	2	100%	100%

\*Category A: 70% \*Category B-30%

22.Diversity of Students:

Name of the Course (refer question no. 2)	% of students from the college	% of students from the State	% of Students from other States	% of students from other countries
B.Tech (2014-15)	0%	100%	0%	0%
M.Tech (2014-15)	0%	100%	0%	0%

23.How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Department	Name of the examination	No. of students qualified			
		2014-15	2013-14	2012-13	2011-12
EEE	GATE	NA	15	12	8
	CAT	12	10	8	6
	GRE	20	15	12	8
	TOEFL	16	10	8	6
	Defense	8	6	4	3
	Civil Services	0	0	0	0

24.Student progression

Student progression	Percentage against enrolled
UG to PG	45%
PG to M.Phil	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
<b>Employed:</b>	
Campus Selection	26%
Other than Campus Selection	40%
Entrepreneurs	NIL

**25. Diversity of staff**

Percentage of faculty who are graduates of the same parent university - 70%.

From other university within the state: 20%

From other universities from other state: 10%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. – 01.**

**27. Present details about infrastructural facilities****g) Library**

Description	UG	PG	Total
No of Titles	750	200	950
No of Volumes	4000	1000	5000
Print Journals	16	-	16
E-Journals	300	70	370

**h) Internet facilities for staff and students : Yes**

Name of the Internet provider : **Vainavi Pvt Limited**  
 Available bandwidth : 80 mbps  
 Access speed : 80 mbps  
 Availability of Internet in an exclusive lab : YES, Computer Center  
 Availability in most computing labs : All computer labs  
 Availability in departments and other units : YES  
 Apart from Wired Connectivity, WiFi Facility is also available in entire

Availability in faculty rooms : YES  
 Institute's own e-mail facility to faculty : YES  
 Email facility to students : YES  
 Security/privacy to e-mail/Internet users : YES

**i) Internet facilities for staff and students - YES.****j) Total number of class rooms**

Programme	No. Of class rooms	with ICT facility
UG	08	02
PG	04	02

**k) Students' laboratories**

Programme	No. Of Laboratories
UG	08
PG	04

**28. Number of students of the department getting financial assistance from College. – 17 Members.**

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**  
**-YES.**

The BOS subcommittee will frame the curriculum and the same is send to department BOS committee for finalizing the programme/curriculum. The BOS committee is constituted as per UGC Autonomous guidelines. The Department has a BOS (Board of Studies) Committee which consists of members from various reputed Institutes (like IIT, NIT, JNTUH), from Industries, one member nominated from affiliating university, senior faculty members in the department. The department will conduct the BOS meeting once in a year. Based on the suggestions made by the BOS members the department will finalize the programme /curriculum.

**30. Does the department obtain feedback from****a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

**Yes.**

- ❖ The department will take the feedback from all faculties regarding the curriculum in their respective subjects.
- ❖ HOD along with the senior faculty will discuss the suggestions and same will be forwarded to BOS committee for necessary actions.

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?  
Yes.

- ❖ The department will take the feedback from the students regarding the staff, curriculum and Teaching-learning-evaluation for every subject.
- ❖ HOD along with the senior faculty will discuss the feedback given by the students regarding curriculum, it will be discussed in departmental BOS subcommittee and forwarded to BOS committee for necessary actions.
- ❖ HOD along with the senior faculty will evaluate the feedback given by the students regarding staff and Teaching-learning-evaluation, if any of the staff will get less feedback the HOD gives the necessary suggestions to improve them self.

c) Alumni and employers on the programmes and what is the response of the department to the same?  
Yes.

- ❖ The department will take the feedback from Employers and the suggestions made by them regarding placements are discussed with the Principal and placement coordinator for necessary action.

### 31. List the distinguished alumni of the department (maximum 10)

S.No	Name	Company & Designation
1.	11J41A0218	Tech.Mahendra
2.	11J41A0235	Tech.Mahendra
3.	11J41A0251	Tech.Mahendra
4.	11J41A0254	Tech.Mahendra
5.	11J41A0255	Tech.Mahendra
6.	11J41A0268	Tech.Mahendra
7.	11J41A0270	Tech.Mahendra
8.	11J41A0254	IGATE
9.	11J41A0245	IGATE
10.	11J41A0250	IGATE

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Guest Lectures:

Academic Year	Title of the Event	Resource Person	Dates
2014-15	An overview of power electronics and its applications	Dr.K.Siva Kumar Asst.Prof, IIT, Hyderabad	10 <sup>th</sup> july-2014
	Shunt and series compensation	Dr.A.Sushma Assoc.Prof, JNTUH, Hyderabad	12 <sup>th</sup> Aug-2014
2014-15	Electrical Production in BHEL and avenues in Power Plant	Vasudevara rao Retd.Exececutive directive,BHEL, R.C puram	24 <sup>th</sup> Sep-2014
	Power scenario in India and future scope for Engineers for power, other industries and attitudes	Mr.K.Sudarshan Asst.General Manager,NTPC, Hyderabad	12 <sup>th</sup> Sep-2014
	Recent trends of large turbo generators construction, excitation & protection	B.Raju, Industrial consultant	17 <sup>th</sup> Dec-2014
	Renewable Energy Sources	DR. T.Purna chander Rao,	12 <sup>th</sup> - 13 <sup>th</sup> May 2012

		DR. BP Singh DR. J.Praveen DR V.Madhusudhan and Prof PM Sarma	
2012-13	Micro Grid Applications in Power Systems	DR. Krishna Veni , A Rama Krishna and A Rayudu DR Bhoopal	14 <sup>th</sup> - 15 <sup>th</sup> April 2012
	Integrated Power Electronics	DR Sathish Kumar G.Venu madhav Dr Saxena Dr PV Raja Gopal Dr TP Rao and J.Bhavani	17 <sup>th</sup> - 18 <sup>th</sup> June 2012
	Seminar on Wavelet Transforms	DR Surya kalavathi Professor JNTUH	12 <sup>th</sup> Feb 2013
	Soft Computing Techniques and applications in Electrical Engineering	A.Suresh Kumar Assoc Professor SCITS A.Vinay Kumar , GRIET VS Madhuri, GRIET Dr.C Sreenivasa Rao GPullaiah Engg College, Kurnool Profe N.Bhoopal K.V Ravi Kumar, ECENTRIC M.Lakshmi Swarupa	15 <sup>th</sup> & 16 <sup>th</sup> March 2013
2011-12	A 2 day seminar on women in engineering and research opportunities	Dr.Ram Latha Anita Sakuru,CEO, Kenpeople.com Mrs.Madhumita	13 <sup>th</sup> -14 <sup>th</sup> Aug 2011

		Chakravarthi, RCI, Hyd Dr.Sucheritha,CEC, Renigunta	
	Seminar on Happiness at work and Transformation	IEEE – WIE	17 <sup>th</sup> March 2011
2011-12	Control systems applications to power electronics drive and systems	Dr.J.Praveen Professor M.Chakravarthy, GRIET M.Lakshmi swarupa & , Assoc Professor MREC ,Assoc Professor MREC	31 <sup>st</sup> ,March&1 <sup>st</sup> ,April 2012
	Strategies for Control of Energy in Power Systems	Dr.C.LakshmiNarayana, Professor, EEE, MREC	14 <sup>th</sup> – 26 <sup>th</sup> June 2010
2010-11	Educational Utilization of Standards	R.S.Sarma,Head & Sc.'F' B.V.S.N.Rao Director &Sc.'F' G.S.Reddy Director & Sc.'E' Bureau of Indian Standards-Hyd	28 <sup>th</sup> Dec 2010

	Large-Scale Integration of Power Electronics into Power Systems	1. Dr.K.Ramesh Reddy, HOD(EEE), GNITS, Hyd. 2. Dr.J.Praveen, Vice-Principal ,MREC 3.Dr.V.Madhusudhan, Professor, MREC 4.Dr.B.P.Singh, Principal, St.Martin's Engg.College 5. Dr.Purnachandar Rao, Retd. Professor, NIT, Warangal 6. Mrs.M.Vijaya Santhi, Asst.Professor (EEE), MREC	12 <sup>th</sup> -13 <sup>th</sup> February 2011
2009-10	Modelling and Simulation of Power Electronic Systems	Mrs.M.Lakshmi Swarupa, Assoc. Prof.,EEE, MREC	17 <sup>th</sup> -29 <sup>th</sup> May 2010
	One day awareness on Women in Engineering	Dr.Ram Latha Anita Sakuru,CEO, Kenpeople.com Mrs.Madhumita Chakravarthi, RCI, Hyd	30 <sup>th</sup> Nov 2010
	Advances in Power Electronics for Power Generation and Power system Operation & Control	1. Dr.A.D.Raj Kumar, Principal, CVR Engg. College 2.Dr.G.S.Raju, Prof.VNRVJIT 3.Dr.D.Siva Sarma, Prof., NIT, Warangal 4.Dr.M.S.R.Murthy,Director, CMRPES	4 <sup>th</sup> -6 <sup>th</sup> December 2009

	Institute, Hyd 5.Dr.P.V.Raja Gopal, DGM, BHEL, R&D 6. Mr.N.Sri Kumar, Vice-Chairman, IEEE, Hyd 7.Prof.N.SrinivasaRao , Assoc.Professor, (ECE), MREC 8.Mrs.M.Lakshmi Swaroopa, Assoc.Professor, (EEE), MREC	
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### 33. List the teaching methods adopted by the faculty for Different programmes.

- ❖ The students are provided with state of the art infrastructure, technology and equipment required to carry on the teaching process in a more synchronized manner
- ❖ The teaching methods adopted are well in consonance with the industry needs and are updated on a regular basis
- ❖ Regular Industrial visits in respective fields are provided to the students for practical exposure.
- ❖ Training for campus placement and aptitude, English labs for effective communication, seminars by in-house faculty and guest speakers etc are also arranged.
- ❖ The skills and knowledge of the teachers are upgraded regularly to make them well verse with the latest industry trends so that they can impart knowledge of latest trends and techniques to the students through Faculty development programmes.

Apart from these, some regular practices used by the faculties are:

- ❖ Lecture with discussions
- ❖ Lecture with a quiz
- ❖ Tutorial



- ❖ Innovative and relevant Lab-work
- ❖ Organizing Workshops and Seminars
- ❖ Presentations and Demonstration of Models
- ❖ Group Discussion
- ❖ Class Assignment
- ❖ Project
- ❖ Seminar Presentations by students
- ❖ Inspiring the Students
- ❖ Counseling of students
- ❖ Remedial Classes
- ❖ Industrial visit
- ❖ E-learning through E-journal (IEEE, ELSEVIOR, SPRINGER etc.) and NPTEL lectures available in our digital library

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

The process is based on direct and indirect assessments for the attainment of PEO's are listed below:

**Direct assessments:** Measurement of student learning throughout a course using internal tests, university examinations, assignments, lab work, demonstrations, Tutorials, Presentations, project work and reports. These provide a sampling of what students know and/or can do and provide strong evidence of student learning.

**Indirect assessments:** Measurement of certain qualities of students learning, such as values, perceptions and attitudes, from a variety of perspectives and how this learning is valued by different constituencies. Indirect methods provide a valuable supplement to direct methods and are generally part of a good assessment program.

A meaningful assessment program would use both direct and indirect assessments from a variety of sources (students, alumni, faculty, employers etc). This use of multiple assessment methods provides converging evidence of student learning. The table below illustrates examples of Direct and Indirect assessments.

The direct and indirect assessment of the attainment of PO's

Methods	Tools
Direct	Exams, Assignments, Projects, Tutorials, labs, Presentations, Project work
Indirect	Employer's Survey ,Student feedback ,Alumni Survey, Exit Survey Placement Record, Higher Education

**35. Highlight the participation of students and faculty in extension activities.**

Our staff and students are actively participated in the extension activities like NSS. The following are the contributions of both student and faculty towards social responsibility.

**Schedule of events taken up for last four Years:**

**FOR THE ACADEMIC YEAR-2013-14:**

S.No	Date	Particulars	Venue
1.	15-08-2013	Independence Day	Malla Reddy Engineering College
2.	23-11-2013	Blood Donation	Malla Reddy Engineering College
3.	23,30 Nov; 7,14 Dec	Dental Check up Camp	Malla Reddy Engineering College
4.	1-12-2013	Worlds Aids Day	Lalitha Kala Thoranam
5.	26-01-2014	Republic day	Malla Reddy Engineering College
6.	21-02-2014	Launch of National youth Policy and RGKA.	JNTUH, Hyderabad

**FOR THE ACADEMIC YEAR-2012-13:**

S.No.	Name of the Camp	Dates
1.	World Health Day	7th April-12
2.	World Earth Day	22nd April-12
3.	Tree Plantation	29th July 2012
4.	Tailoring Tutorial Program For Ladies	23rd July 2012
5.	World Environment Day	5th June 2012
6.	Independence day And street cause day	15th August-12
7.	disaster management	9th November, 2012
8.	Blood Donation Camp	09th February 2013
9.	Health camp	23rd February 2013

**FOR THE ACADEMIC YEAR-2011-12:**

S.No.	Name of the Camp	Date of Camp
1.	Tree Plantation	29th July 2011
2.	Blood Donation Camp-I	23rd July 2011
3.	disaster management	9th November, 2011
4.	Blood Donation Camp-II	30th December 2011

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Sno	Name of the Subject	Topics covered Beyond the Syllabus
1.	Electrical Circuits	To know the basic circuit elements, Network Analysis, Fundamental Rules, Theorems.
2.	DC Machines	Working Principle, Operation, Construction Of the machine, losses and Efficiency.
3.	AC Machines-I	Working Principle, Operation, Construction Of the machine, losses and

		Efficiency. Of Transformers and Induction motors.
4.	AC Machines-II	Working Principle, Operation, Construction Of the machine, losses and Efficiency Of ,Synchronous machines Single phase motors.
5.	Power Systems-I	To know the fundamentals of Generation of power by various ways and Tariff and Voltage control.
6.	Power Systems-II	To know the fundamentals of transmission lines, cables, sag, various Effects Caused in power systems.
7.	Power Electronics	To know the fundamentals of various power electronic converting devices and its principle and Operation and Applications.
9.	Control Systems	To know the fundamentals of various controlling Strategies for different Systems. Compensation Techniques.
10.	Switch Gear & Protection	To know the fundamentals of various Protection Schemes of Transmission lines.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details.**

- ❖ Institution is accredited by NBA for Two Years.

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths:**

- ❖ Qualified, experienced and dedicated Staff members.
- ❖ Satisfactory Campus Placement of the EEE Students.
- ❖ Excellent lab facilities with required Software and hardware.
- ❖ Encouragement for self growth of the Staff members.
- ❖ Transparent administration.

**Weaknesses:**

- ❖ Need to incorporate the Residential Facilities for faculty members..
- ❖ Faculty training in industry is needed to be up to date with the current technologies.
- ❖ Consultancy work and funded projects.
- ❖ Industry Interaction needs improvement.
- ❖ Lack of communication skills and fluency of language in students who come from rural background.

**Opportunities:**

- ❖ To carryout research and developments activities.
- ❖ To simulate in students a habit of undergoing practical on-job/on-site project work.
- ❖ To provide academicians an environment for up gradation of knowledge and skills.
- ❖ To provide Core industry services for the department.
- ❖ To provide an environment to students where in they can learn about latest trends in Information Technology.

**Challenges:**

- ❖ Need to update knowledge on par with the industry standards.
- ❖ Provide solutions to societal problems through innovative research and consultancy.
- ❖ To handle the high impact change taking place in the work environment.
- ❖ To promote specialization and research among students.

**39. Future plans of the department.**

- ❖ Our department planning to establish Entrepreneur and Development (EDC) Cell.

- ❖ To make the students design a new improvement based on the experiments learnt.
- ❖ To increase the laboratory hours so that students will gain more exposure to practical aspects of the concepts they learn.
- ❖ To allow students to do in-house projects as continuation of ‘future work’ of projects done by the students of earlier batches.
- ❖ To increase research publications in journals/Conferences.
- ❖ Skill up gradation training/programs for Non-teaching staff at least once in a year.

**Evaluation Report of Mechanical Engineering Department****1. Name of the Department & its year of establishment**

Mechanical Engineering, 2002.

**2. Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Program	Description
UG in Mechanical Engineering	Started with 60 seats in 2002 Intake decreased to 30 in 2007 Intake increased to 60 in 2008 Intake increased to 120 in 2009 Accredited by NBA-AICTE in 2008 for 3 years
PG in (Thermal Engineering)	Started with 18 seats in 2010 Autonomous status by JNTUH-Hyderabad in 2011 for 1 year
PG in (Advanced Manufacturing Systems)	Started with 24 seats in 2013 Autonomous status by JNTUH-Hyderabad in 2011 for 1 year
PG in ( Machine Design)	Started with 24 seats in 2014
Credits	Accredited by NBA-AICTE in 2008 for 3 years, and applied for renewal during 2011-2012. Accredited by NAAC with A GRADE in 2010.

**3. Interdisciplinary courses and departments involved**

No

**4. Annual/ semester/choice based credit system**

Semester based credit system-UG

Semester based credit system-PG

**5. Participation of the department in the courses offered by other departments**

S.No	Subject	Services To the Department	Year	Semester	Credits
1	Engineering Drawing	All Branches (ME,CE,EEE,ECE,MINING,CSE,IT)	I	-	4
2	Engineering Work Shop lab	All Branches (ME,CE,EEE,ECE,MINING,CSE,IT)	I	-	2
3	Fluid mechanics and hydraulic machines	EEE	II	I	4
4	Fluid mechanics and hydraulic machines lab	EEE	II	I	2
5	Mechanics of Fluid and hydraulic machines	Mining Engineering	II	I	4
6	Mechanics of Fluid and hydraulic machines lab	Mining Engineering	II	I	2
7	Mechanical Technology	Mining Engineering	II	I	4
8	Mechanics of solids	Mining Engineering	II	II	4
9	Machine drawing and computer aided graphics	Mining Engineering	II	II	4
10	Mechanics of solids lab	Mining Engineering	II	II	2

**6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	sanctioned	Filled
Professors	7	7
Associate Professors	14	14
Asst.Professors	26	26

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

S.NO	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	Dr.S.Sudhakara Reddy	Ph.D	Principal & Professor	Production Engineering	28
2	Dr.Rami Reddy Satyanarayana Reddy	Ph.D	Professor	Thermal Engineering	35
3	Dr. D. K. Nageswara Rao	Ph.D	Professor	Engineering Design	30(T)+15 (R)+5(I)
4	Dr.K.Narayana Murthy	Ph.D	Professor	Thermal Engineering	32(I)+4 (T)
5	Dr V Venkata Ramana	Ph.D	Professor	Thermal Engineering	17
6	Dr.abhay siva ram panwalker	Ph.D	Professor	Thermal Engineering	30
7	Dr.Ashok Kumar	Ph.D	Professor	Machine Design	10
8	Mr.V.Narasimha Reddy	M.Tech (Ph.D)	Assoc.Prof.	Environmental Management	6+12
9	Mr. A.Raveendra	M.Tech (Ph.D)	Assoc.Prof.	Production Engineering	5+11
10	Mr. Pardhasaradhi peddada	M.Tech	Assoc.Prof.	Machine Tools	4

11	Mr.P.Promod Kumar	M.Tech (Ph.D)	Assoc.Prof.	CAD/CAM	8
12	Mr.N.Srinivasa Rajneesh	M.Tech	Assoc.Prof.	Energy technology	9
13	Mr.K.Srinivasa Rao	M.Tech	Assoc.Prof.	Design Engg	8
14	Mr.C.Samba Sadasiva Rao	M.Tech	Assoc.Prof.	IEM	30+6
15	Mr. M. Naveen Kumar	M.Tech	Assoc.Prof.	CAD/CAM	5
16	Mr. V. Kesav Iyer	M.Tech	Assoc.Prof.	-----	35+3
17	Mr. Jasti Kasi Babu	M.Tech	Assoc.Prof.	----	12
18	Mr.Shaik.Hussain	M.Tech	Assoc.Prof.	Thermal Engineering	7
19	Mrs.M Venkata Vara Lakshmi	M.Tech	Assoc.Prof.	CAD/CAM	7
20	Mr.Tulasi rama Rao	M.Tech	Assoc. Prof	----	7
21	Mr.A.Sarvan Bhavan	M.Tech	Asst Prof	CIM	4
22	Mr.A.Prasanth	M.Tech	Asst Prof	CAD/CAM	3
23	Mr.J.Pavan Kumar	M.Tech	Asst Prof	Thermal Engineering	4
24	Ms.Heruthunisa.Shaik	M.Tech	Asst Prof	CAD/CAM	5
25	Mr.K.Bharadwaja	M.Tech	Asst Prof	Thermal Engineering	8
26	Mr.P.Sunil Kumar	M.Tech	Asst Prof	CAD/CAM	6
27	Mrs G Vidya	M.Tech	Asst Prof	Thermal Engineering	0
28	Mr.V.Siva Rama Krishna	M.Tech	Asst Prof	CAD/CAM	2
29	Mr.K.Limbadi	M.Tech	Asst Prof	-----	0

30	Mr.A.Ramesh	M.Tech	Asst Prof	MACHINE DESIGN	4
31	Mr.S.Sarath Chandra	M.Tech	Asst Prof	DESIGN	0
32	Mr Shaik Subhani Basha	M.Tech	Asst Prof	-----	3
33	Mrs.J.Srilakshmi	M.Tech	Asst Prof	-----	3
34	Mr K.Rajesh	M.Tech	Asst Prof	AMS	9
35	Mr.Egala.Rajesh	M.Tech	Asst Prof	-----	5
36	Mr D.Suresh Reddy	M.Tech	Asst Prof	MACHINE DESIGN	0
37	Mr E.Venkat Reddy	M.Tech	Asst Prof	CAD/CAM	3
38	Mr C.Chandra Sekhara	M.Tech	Asst Prof	Thermal Engineering	3
39	Mr. S. Madhu	M.Tech	Asst Prof	Thermal Engineering	2
40	Mr Puli Ratna Deepak	M.Tech	Asst Prof	Thermal Engineering	1
41	Mr. Karnapu Nagi Reddy	M.Tech	Asst Prof	MACHINE DESIGN	3
42	Mr. A. Kalyan Charan	M.Tech	Asst Prof	Thermal Engineering	1
43	Mr. Putta Satish Kumar	M.Tech	Asst Prof	Thermal Engineering	1
44	M. Yugandhar	M.Tech	Asst Prof	CAD/CAM	1
45	Mr. Sundararao Prattipati	M.Tech	Asst Prof	CAD/CAM	3
46	Mr. Rakesh Cheemalamarri	M.Tech	Asst Prof	----	6
47	T.Sri lakshmi	----	Asst Prof	Machine Design	0

**8. Percentage of classes taken by temporary faculty – programme-wise information**

Nil

**9. Programme-wise Student Teacher Ratio**

S.NO	Program	Student Teacher Ratio
1	UG	15:1
2	PG	12:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
support staff (technical)	9	9
administrative staff	1	1

**11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.**

S.NO	Name of the faculty/Principal investigator	Funding agency	Amount in Rs
1	V.Narasimha Reddy	UGC(Minor Research Project)	2.60Lakh

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received**

AICTE funding projects: Applied

**13. Research facility / centre with**

- o state recognition
- o national recognition
- o international recognition

The department having research and development center most of the UG & PG projects under are carried out in the department

We are going to plan obtaining the university recognition

**14. Publications:**

\*number of papers published in peer reviewed journals (national / international) Publication of technical magazines, newsletters, etc. (4)

\*Monographs

S.NO	LAB NAME
1	Engineering Work Shop Manual
2	Production Technology
3	MOS & MMS

4	Mechanics of Fluids and Hydraulic Machines lab
5	Machine Tools & Metrology lab
6	Heat Transfer lab
7	Thermal Engineering Lab
8	CAD/CAM lab
9	Production Drawing Practice & instrumentation lab

- \*Chapter(s) in Books ----Nil
- \*Editing Books -----Nil
- \*Books with ISBN numbers with details of publishers ----Nil
- \*number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) ----Nil
- \*Citation Index – range / average -----Nil
- \*SNIP -----Nil
- \*SJR -----Nil
- \*Impact factor – range / average-----1.48 to 1.68/1.56
- \*h-index -----Nil

**15. Details of patents and income generated**  
Nil

**16. Areas of consultancy and income generated**  
Nil

**17. Faculty recharging strategies**

Sno	Name of the Event	Organized under /Convener	Date(s)	No. of participants
Academic year 2012-2013				
Guest Lectures:				
1	CAD training and its future scopey (Mr. Sashi Nair)	Dept	08/01/2013	119
2	Role of CNC technology in global manufacturing scenario (Mr.K.N.Reddy)		21/08/2012	112
3	Review on Probability theory & stochastic process (Dr.K.Srihari)		5.10.2012	120
4	Latest Trends in communication system(Dr.Bandari)	IEEE	6.10.2012	112
Workshops:				
1	Workshop conducted for National Robotics Championship 2014(Jointly organized by		02&03-08-2013	100

	ARK Technosolutions & Helios-IIT Bombay during April 2014.			
Academic year 2010-2011				
Workshops:				
1	Seminar On Happiness@Work And Transformational Training	IEEE-WIE	17.03.2012	110
2	Women In Engineering And Research Opportunities	IEEE-WIE	13.08.2011 14.08.2011	45
3	WIE Society Benefits & Women Empowerment	IEEE-WIE	30.11.2010	30
Academic year 2009-2010				
Guest Lectures:				
1	GPS Principles and Applications G.Venkateswarulu	IEEE Chapter	Oct 2009	90
2	“FPGAS & CPL D Architecures” Mrs.Venkata Lakshmi	IEEE chapter	July 2009	70
Sl. No.	Year	Details		
1	2009	One day Workshop on “Welding Techniques” by A. Raveendra		
2	2011	A Two day Workshop on “Recent Developments in Mechanical Engineering” on 12 <sup>th</sup> & 13 <sup>th</sup> Feb-2011 by the Department.		
3	2011	A seminar on college Environment Awareness and action programme was conducted on 14 <sup>th</sup> August 2011.		
4	2012	A Two day National Level Workshop on “Recent Advances in CFD for Industrial Applications” on 24 <sup>th</sup> & 25 <sup>th</sup> March-2012 by the Department.		
5	2012	A two day national level work shop on Resent advances in production Engg Under TEQIP-II on 18 <sup>th</sup> & 19 <sup>th</sup> April 2012.		
6	2012	A two day national level work shop on Advanced Machines Diagnostics and condition monitoring Under TEQIP-II on 14 <sup>th</sup> & 15 <sup>th</sup> June 2012.		

7	2012	A two day national level work shop on “Solar thermal Energy”Under TEQIP-II .
8	2012	A Two Day National Level Work shop On “Recent Developments In SolidWorks For Production Engineering” by the Department.
9	2013	A Two day National Level Robotics Workshop for “National Robotics Workshop for Nation Robotics Championship”
10	2013	A Two day National Level Workshop on “ICEM-CFD and CFX by ANSYS”

**18 Student projects**

Sno	Academic Year	Programme	Percentage of students who have done in-house projects
1	2014-2015	B.Tech	85
2	2013-2014	B.Tech	80
3	2012-2013	B.Tech	89
4	2011-2012	B.Tech	66.6

Sno	Academic Year	Programme	Percentage of students who have done in-house projects
1	2014-2015	M.Tech	46
2	2013-2014	M.Tech	38
3	2012-2013	M.Tech	27
4	2011-2012	M.Tech	34

❖ **percentage of students doing projects in collaboration with industries / institutes.**

Sno	Academic Year	Programme	Percentage of students doing projects in collaboration with industries / institutes
1	2014-2015	B.Tech	15
2	2013-2014	B.Tech	20
3	2012-2013	B.Tech	11
4	2011-2012	B.Tech	33.4

Sno	Academic Year	Programme	Percentage of students doing projects in collaboration with industries / institutes
1	2014-2015	M.Tech	54
2	2013-2014	M.Tech	62
3	2012-2013	M.Tech	73
4	2011-2012	M.Tech	66

- percentage of students who have done in-house projects including inter-departmental -----60%
- percentage of students doing projects in collaboration with industries / institutes -----40%

**19. Awards / recognitions received at the national and international level by**

- Faculty
- Doctoral / post doctoral fellows
- Students

**STUDENTS PERFORMANCE:**

S.NO	Name of the Student and Roll Number	BRANCH	University	Award
1	GANAPA NAMITHA & 09J41A0319	MECHANICAL	JNTUH	GOLD MEDAL
2	E.RAJA GOPALAN S& 02J41A0326	MECHANICAL	JNTUH	University wise 7 <sup>th</sup> Rank
3	E.VENKAT SRIDHAR & 06J41A0349	MECHANICAL	JNTUH	University wise 4 <sup>th</sup> Rank

**20. Seminars/ Conferences/Workshops organized and the source of funding (national/ International) with details of outstanding participants, if any.**

Sl.No	Name of the Event	Year	National/International	Source of Funding
1	National Conference on 'EMERGING TRENDS IN SCIENCE , TECHNOLOGY & MANAGEMENT"	2014	National	Self Finance
2	National Conference on "ROLE OF CIVIL & MECHANICAL ENGINEER IN DEVELOPMENT OF SOCIETY(RCMS 2K 13)	2013	National	Self Finance



**21. Student profile course-wise:**

Name of the Course (Refer Question no 2)	Applications Received	Selected		Selected		Pass Percentage	
		Cat A	Cat B	Male	Female	Male	Female
B.Tech (2010-14)	82	84	36	104	16	86	75
B.Tech (2009-13)	72	84	36	117	3	65	66.6
B.Tech (2008-12)	32	42	18	56	4	96.4	50
B.Tech (2007-11)	18	21	9	30	0	93.3	0
B.Tech(2006-10)	22	42	18	58	2	96	100
M.Tech: TE (2012-14)	3	13	2	14	1	71.4	100
M.Tech : TE(2011-13)	6	12	4	15	1	93.3	100
M.Tech: TE(2010-12)	8	12	6	16	2	93.5	100
M.Tech: AMS(2013-15)	5	15	3	16	2	NA	NA
M.Tech: AMS(2014-16)	4	9	3	11	1	NA	NA

\*Cat A -----70%  
\*Cat B-----30%

**22. Diversity of Students**

Name of the course	A.Y.	% of students from the college	% of students from the state	% of students from other states	% of students from other countries
B.Tech	2010-11	Nil	98.4	1.6	Nil
	2011-12	Nil	95.4	4.6	Nil
	2012-13	Nil	93.4	6.6	Nil
	2013-14	Nil	94.2	5.8	Nil
M.Tech	2010-11	Nil	87	13	Nil
	2011-12	Nil	94.5	5.5	Nil
	2012-13	Nil	81.25	18.75	Nil
	2013-14	Nil	94	6	Nil
	2014-15	Nil	90	10	Nil

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

S.No	A.Y	GATE	Civil Services	Defense Services	GR E	GMAT	CA T
1	2009-10	1	NIL	NIL	11	NIL	NIL
2	2010-11	1	NIL	NIL	12	NIL	NIL
3	2011-12	-	NIL	NIL	10	NIL	NIL
4	2012-13	-	NIL	NIL	15	NIL	NIL

**24. Student progression**

Student progression	Percentage against enrolled			
	2010-11	2011-12	2012-13	2013-14
UG to PG	42%	10%	41%	45%
PG to M.Phil	-	-	-	-
PG to Ph.D	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed				
• Campus selection	22%	18%	10%	23%
• Other than campus recruitment	31%	36%	42%	48%
Entrepreneurs	-	-	-	-

**25. Diversity of staff**

Percentage of faculty who are graduates of the same parent university -----42.5%  
 From other universities within the State -----44.6%  
 From other universities from other States -----12.9%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.**

Nil

**27. Present details about infrastructural facilities Library**

Item	UG	PG	Total
No of Titles	566	175	741
No of Volumes	5650	820	6470
Print Journals	18	5	23
e-Journals	278	112	390

a. Internet facilities for staff and students

b. Internet facilities for staff and students : Yes

Name of the Internet provider : Vainavi Pvt Limited  
 Available bandwidth : 80 mbps  
 Access speed : 80 mbps  
 Availability of Internet in an exclusive lab : YES, Computer Center  
 Availability in most computing labs : All computer labs  
 Availability in departments and other units: Yes  
 Apart from Wired Connectivity, WiFi Facility is also available in entire campus including all the departments.  
 Availability in faculty rooms : YES  
 Institute's own e-mail facility to faculty : YES  
 Email facility to students : YES  
 Security/privacy to e-mail/Internet users : YES

c. Total number of class rooms : 10

d. Class rooms with ICT facility : 10

e. Students' laboratories : 13

f. Research laboratories :

Sr. No.	Name of the Lab	Size (Sq. M)	Major equipments
1	Engineering Workshop	200	All Workshop Tools, Lathe
2	Mechanics of Solids	66.91	UTM, Torsion Testing M/C, Spring Testing M/C, Impact Testing M/C, Hardness Tester
3	Metallurgy	66.23	Binocular Microscopes (6N0's), Jomney End Quinch Tester,
4	Production Technology	66	Fly Press, Hydraulic Press, Injection Moulding, Blow Moulding, Wood Turning Lathe, Welding M/Cs (Arc, Spot & Gas)
5	Mechanics of Fluids & Hydraulic Machines	66.91	Pelton Wheel, Francis Turbine, Centrifugal Pump, Reciprocating Pump, Impact of Jet on Vanes, Notches, Friction losses in Pipe lines, Bernoullis Equation, Venturi & Orifice Meter
6	Machine Tools	90	Lathe (6 N0's), Radial Drilling M/C, Universal Milling M/C, Shaper, Slater, Surface Grinder,
7	Metrology	66	Tool Makers Microscope, Sine Bar with Slip gauges, Measuring Instruments (Vernier Caliper, Micrometer, Gear tooth Vernier Caliper, Snap & Plug gauges)
8	Thermal Engineering	66.91	Single Cylinder Two stroke air cooled Petrol Engine with DC, Single Cylinder Four stroke water cooled Diesel Engine with Mechanical Break Loading, Multi Cylinder Four stroke air cooled Petrol Engine with Hydraulic Dynamometer.
9	Heat Transfer	71.23	Thermal conductivity of given metal rod, Stefan boltzman apparatus, Composite wall overall heat transfer coefficient, Heat transfer through lagged pipe, Heat transfer in forced convection, Heat transfer in natural convection, Thermal conductivity of insulating powder, Parallel and counter flow heat exchanger, Emissivity apparatus, Heat transfer in pin-fin.
10	CAD/CAM	89.66	CNC Lathe with standard equipments and Accessories, Intel P-IV 3.0 GHZ 512 M/BDDRAM/80 GB HDD 1.44/CD Writer /KBD Mouse/15" colour Monitor (39 No's) 10/100 Lan

11	Instrumentation	66.34	Pressure Gauge Transducer, Temperature measurement Transducer, Strain gauge for Force Measurement, Rotometer for Flow measurement, Photo magnetic speed pick up, Mcleod Gauge for low pressure measurement
12	Thermal Engineering (M.Tech)	33	Air Condition Test Rig, Refrigeration Test Rig, Dryness fraction estimation of steam separating and throttling calorimeter with Boiler, Heat Pipe, Solar flat plate Collector, Evacuative tube concentrator, Exhaust Gas Analyzer
13	Computational Methods Lab (M.Tech)	33	Intel P-IV 3.0 GHz 512 M/BDDRAM/80 GB HDD 1.44/CD Writer /KBD Mouse/15" colour Monitor (20 N0's) 10/100 Lan, UPS (10 KVA) 1 No

**28. Number of students of the department getting financial assistance from College.**

The college given financial assistance to 10 M.Tech Students from TEQIP funds

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

The BOS subcommittee will frame the curriculum and the same is send to department BOS committee for finalizing the programme/curriculum.The BOS committee is constituted as per UGC Autonomous guidelines. The Department has a BOS (Board of Studies) Committee which consists of members from various reputed Institutes (like IIT, NIT, JNTUH), from Industries, one member nominated from affiliating university, senior faculty members in the department. The department will conduct the BOS meeting once in a year. Based on the suggestions made by the BOS members the department will finalize the programme/curriculum.

**30. Does the department obtain feedback from**

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Yes.
  - ❖ The department will take the feedback from all faculties regarding the curriculum in their respective subjects.
  - ❖ HOD along with the senior faculty will discuss the suggestions and same will be forwarded to BOS committee for necessary actions.

b. Students on staff, curriculum as well as teaching-learning-

evaluation and what is the response of the department to the same? Yes.

- ❖ The department will take the feedback from the students regarding the staff, curriculum and Teaching-learning-evaluation for every subject.
- ❖ HOD along with the senior faculty will discuss the feedback given by the students regarding curriculum, it will be discussed in departmental BOS subcommittee and forwarded to BOS committee for necessary actions.
- ❖ HOD along with the senior faculty will evaluate the feedback given by the students regarding staff and Teaching-learning-evaluation, if any of the staff will get less feedback the HOD gives the necessary suggestions to improve them self.
  - Alumni and employers on the programmes and what is the response of the department to the same? Yes.
- ❖ The department will take the feedback from Alumni every year and the suggestions made by the Alumni regarding the improvement of department, HOD will discuss with Principal and Management for necessary actions.
- ❖ The department will take the feedback from Employers and the suggestions made by them regarding placements are discussed with the Principal and placement coordinator for necessary action.

**31. List the distinguished alumni of the department (maximum 10)**

S.No	Name	Company & Designation
1	Sunith Vargees	Infotech, Software Engineer
2	Brayan Edward	ACCENTURE, Software Engineer
3	Mel win Joy Lobo	IFB Industries, Design Engineer
4	G.Rajender	MERCHANT NAVY
5	Vivek Reddy	HPCL, Trainee Engineer
6	Karthik	TECHNO FUTURA PRESSURE VALVES,Engineer
7	G.V.Krishna Reddy	TECH MAHINDRA,Software Engineer
8	M.Manoj	MRF,Trainee Engineer
9	M.Rahul Goud	INFOTECH,Software Engineer
10	K.S.Chaitya	TECH MAHINDRA, Software Engineer

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

S.No	Name of the Event	Organized under/ Convener	Date(s)	No. of participants
Academic year 2012-2013				
Guest Lectures:				
1	CAD training and its future scopey (Mr. Sashi Nair)	Dept	08/01/2013	119
2	Role of CNC technology in global manufacturing scenario (Mr.K.N.Reddy)		21/08/2012	112
3	Review on Probability theory & stochastic process (Dr.K.Srihari)		5.10.2012	120
4	Latest Trends in communication system(Dr.Bandari)	IEEE	6.10.2012	112
Workshops:				
1	Workshop conducted for National Robotics Championship 2014(Jointly organized by ARK Technosolutions & Helios-IIT Bombay during April 2014.		02&03-08-2013	100
Academic year 2010-2011				
Workshops:				
1	Seminar On Happiness@Work And Transformational Training	IEEE-WIE	17. 03. 2012	110
2	Women In Engineering And Research Opportunities	IEEE-WIE	13 .08.2011 14.08. 2011	45
3	WIE Society Benefits & Women Empowerment	IEEE-WIE	30.11.2010	30
Academic year 2009-2010				
Guest Lectures:				
1	GPS Principles and Applications G.Venkateswarulu	IEEE Chapter	Oct 2009	90
2	"FPGAS & CPL D Architecures" Mrs.Venkata Lakshmi	IEEE chapter	July 2009	70

## Make Up Classes:

S.No	Faculty Name & Details	Subject Name	Date(s)
1	Dr.G.Satish Babu, Professor , JNTUH	Kinematics Of Machinery	25/10/2013
2	Dr.A.V.S.S.K.S.Guptha, Professor ,JNTUH	Finite Element Method(FEM)	2/4/2013

**33. List the teaching methods adopted by the faculty for different programmes.**

Course delivered to the students in mixed style of approach. After completion of the Unit, it is summarized with power point presentation. Course files are provided for each subject, in which the documentation of each unit is provided (like objectives, Notes, Question and Answers, Previous Question Papers and Important Questions in each Unit).

For each subject we have, one Tutorial hour per week, in this hour the topics covered in the whole week is revised. The core subject will have concerned labs, where the studied theory part is implemented practically; here, there is more scope to develop projects. For the tough topics E-classes are conducted like NPTEL, online lectures from IIT professors.

For the first year students, small applications were made to develop based on the knowledge of C. For more relevance, students are taught extra topics other than prescribed syllabus to connect the next coming subjects.

S.No	Mode of delivery
1	Chalk and talk
2	OHP/LCD projector
3	Digital library/E-class room
4	NPTEL video's
5	Lab exercise
6	Seminar
7	Mini project
8	Major project
9	Guest lectures
10	Industrial visit
11	Visual charts& working models

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Various Committee's constituted at Department and college level to ensure whether the programme objectives are constantly met and learning outcomes monitored or not. Various tools and processes used in assessment of the achievement of the programme outcomes. The process is based on direct and indirect assessments for the attainment of programme objectives are listed below:

**Direct assessments:** Measurement of student learning throughout a course using internal tests, university examinations, assignments, lab work, demonstrations, Tutorials, Presentations, project work and reports. These provide a sampling of what students know and/or can do and provide strong evidence of student learning.

**Indirect assessments:** Measurement of certain qualities of students learning, such as values, perceptions and attitudes, from a variety of perspectives and how this learning is valued by different constituencies. Indirect methods provide a valuable supplement to direct methods and are generally part of a good assessment program.

A meaningful assessment program would use both direct and indirect assessments from a variety of sources (students, alumni, faculty, employers etc). This use of multiple assessment methods provides converging evidence of student learning.

The table below illustrates examples of Direct and Indirect assessments.

The direct and indirect assessment of the attainment of PEO's

Methods	Tools
Direct	Exams, Assignments, Projects, Tutorials, labs, Presentations, Project work
Indirect	Employer's Survey ,Student feedback ,Alumni Survey, Exit Survey, Placement Record, Higher Education

**35. Highlight the participation of students and faculty in extension activities.**

Our staff and students are actively participated in the extension activities like NSS. The following are the contributions of both student and faculty towards social responsibility

REGULAR CAMPS LIST FROM 1-4-2014 TO 13-10-2014

S.NO	DATE	ACTIVITY	CAMP LOCATION
1	4-Mar-14	Blood Donation Camp	MREC
2	22-24 July,14	Medical Camp Program	Gundlapochampally Primary School
3	15-Aug-14	Independence Day & Tree Plantation	MREC
4	6-Sep-14	Mega Blood Donation Drive	MREC
5	23-Sep-14	Environment Fest & NSS Day Celebrations	JNTUH, Hyderabad
6	20-October, 14	Hudhud Relief Fund	MREC
7	22-October, 14	Blood donation camp	MREC

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Guest Lectures:				
1	CAD training and its future scopey (Mr. Sashi Nair)	Dept	08/01/2013	119
2	Role of CNC technology in global manufacturing scenario (Mr.K.N.Reddy)		21/08/2012	112
3	Review on Probability theory & stochastic process (Dr.K.Srihari)		5.10.2012	120
4	Latest Trends in communication system(Dr.Bandari)	IEEE	6.10.2012	112

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details.**

Got NBA in 2008 for three years and in 2014 for two years

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strength**

- ❖ All the Faculty are post Graduates
- ❖ All labs are Fully Equipped
- ❖ Good placement of students.
- ❖ Active members of Professional bodies namely ISTE and achieved the year on year improvement on placement
- ❖ Department is Accredited by NBA

**Weaknesses**

- ❖ Research Facilities are to be improved.
- ❖ A publication of the Faculty is to be increased.
- ❖ The students from Rural background due to lack of knowledge in English Communication comes with a poor English communication and poor soft skills.
- ❖ Technology transfer partnership model is yet to be developed in the department.
- ❖ Department is lagging with high level of research activities

**Opportunities**

- ❖ With the development of the interdisciplinary curriculum, to meet the job requirements of ME students.
- ❖ Student exchange programme with institutions abroad are possible.
- ❖ A faculty with research and development motive is always having an opportunity to work in the state of the art research facilities in the department for growth
- ❖ Expanding research base through various Projects of UGC and other agencies.
- ❖ Student exchange programme with institutions abroad are possible.

**Challenges**

- ❖ Permanent affiliation Of UGC
- ❖ 100% pass percentage of students
- ❖ Training the students for 100% placement
- ❖ Decline in the supply of quality students is a real challenge.
- ❖ Department is motivating students to involve in various research activities and innovative projects

**39. Future plans of the department.**

- ❖ Renovation Of Labs (Computerised)
- ❖ Development of R&D activities in The Department
- ❖ Permanent affiliation Of UGC
- ❖ 100% placement to students

**Evaluation report by Electronics and Communications Engineering department**

**1. Name of the Department & its year of establishment**

**Electronics & Communication Engineering Department & 2002**

**2. Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Program of Study	Description
ECE	Started with 60 seats in 2002 Intake increased to 120 in 2004 Intake increased to 180 in 2013
ECE	Started M.Tech Digital Systems and Computer Electronics Specialization in 2008 with an intake of 18 seats. Intake increased to 36 in 2010 in two shifts for Digital Systems and Computer Electronics Specialization. Started M.Tech VLSI System Design Specialization in 2012 with an intake of 24 seats. Started M.Tech Embedded systems Specialization in 2013 with an intake of 24 seats.

**3. Interdisciplinary courses and departments involved : No**

**4. Annual/ semester/choice based credit system**

UG (B.Tech): Semester based credit System.  
PG (M.Tech): Semester based credit System.

**5. Participation of the department in the courses offered by other departments**

Departmental faculty extended services to the other departments in teaching certain courses which are relevant to specialization concerned.

S.No	Name of the Subject	Services to the other Departments	Year and Sem.	Credits
1	Electronic Devices and Circuits	EEE Department	II Year I Sem.	3
2	Integrated Circuits and Applications	EEE Department	III Year I Sem.	3
3	Microprocessor and Interfacing	CSE Department	III Year I Sem.	3
4	VLSI Technology	IT Department	IV Year I Sem.	3

**6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

Designation	Sanctioned	Filled
Professors	6	6
Associate Professors	12	12
Asst. Professors	23	23

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

Sno	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Students Guided for the last 4 Years
1	Dr.M J C Prasad	Ph.D, M.U 2006	Professor & Head	Signal Processing	15	1
2	Dr.M.Radha Krishna Murthy	PhD, M.Tech, IIT Madras, 1994	Professor	Instrumentation	30	2
3	Dr K Sri Hari Rao	PhD, Andhra university	Professor	Communications	23	1
4	Dr Kesavan Gopal	PhD, JNTU Hyderabad	Professor	VLSI	15	3
5	Dr.Giribabu Kande	PhD, JNTU Hyderabad	Professor	Digital Systems	15	1
6	Dr. K Ramesh Babu	Ph.D	Professor	Digital Systems	18	--
7	P.Ashok Babu	M.E, OU, (Ph.D),	Assoc. Prof	Image Processing	13	--

8	P.S.Indrani	M.Tech(DSCE)	Assoc. Prof	Digital Systems	10	--
9	P. Sowjanya	M.Tech(DSCE)	Assoc. Prof	Digital Systems	9	--
10	C Silpa	M.Tech(SSP), JNTUH, 2011	Assoc. Prof	Signal Processing	8	--
11	N Pandu Ranga Reddy	M.Tech	Assoc. Prof	Communications	13	--
12	B Srinivas	M.E(DSE),OU	Assoc. Prof	Embedded Systems	6	--
13	Ch. Bhanu Prakash	M.E, OU,	Assoc. Prof	VLSI	5	--
14	S. Satish Kumar	M.E, (Ph.D)	Assoc. Prof	Image Processing	13	--
15	G.Venkata Rao	M.Tech, JNTU,	Assoc. Prof	VLSI	12	--
16	T. Srinivasa Reddy	M.Tech	Assoc. Prof	Embedded Systems	6	--
17	G Bharathi Subhashini	M.E(ES & VLSI Design),OU,	Assoc.Pr of	VLSI	7	--
18	T Surender Reddy	M.Tech	Assoc.Pr of	VLSI	10	--
19	T.Rama Swamy	M.Tech(DSCE), (PHD)	Asst Prof.	Digital Systems	7	--
20	V.Srinivas	ME(VLSI), OU	Asst Prof.	VLSI	6	--
21	G. Kumara Swamy	M.Tech(VLSI), JNTU	Asst.Prof	VLSI	5	--
22	A. Pradeep kumar	M.Tech, JNTUH	Asst. Prof	VLSI	7	--
23	G.Ranjith Kumar	M.Tech, NIT Calicut	Asst. Prof	Embedded Systems	2	--
24	T. Ravi Theja	M.Tech, JNTUH	Asst. Prof	Embedded Systems	2	--
25	N.Raju	M.Tech,	Asst. Prof	Embedded	2	--

		JNTUH		Systems		
26	M.Muarli Krishna	M.Tech, KL UNIVERSITY	Asst. Prof	Microwave Engineering	7	--
27	J.Santosh	M.Tech, JNTUH	Asst. Prof	VLSI	1	--
28	T. Naga Prasad Reddy	M.Tech	Asst. Prof	VLSI	2	--
29	B. Sagar	M.Tech, JNTUH	Asst. Prof	Digital Systems	1	--
30	K. Sree Lakshmi	M.Tech, JNTUH	Asst. Prof	Digital Systems	1	--
31	S. Bala Durga Prasad	M.Tech, KL UNIVERSITY	Asst. Prof	Microwave Engineering	1	--
32	N.Vamsi Krishna	M.Tech, KL UNIVERSITY	Asst. Prof	Microwave Engineering	1	--
33	B.Suresh Kumar	M.Tech, JNTUH	Asst. Prof	VLSI	2	--
34	K.Venkata Krishnarao	M.Tech, JNTU Kakinada	Asst. Prof	VLSI	2	--
35	D Srikanth	M.Tech,	Asst. Prof	VLSI	1	--
36	U.Suman	M.Tech, IIT Kharagpur	Asst. Prof	VLSI	2	--
37	S.Nagamallikarjun	M.Tech, JNTU Kakinada	Asst. Prof	VLSI	2	--
38	M.Anil Krishna	M.Tech, JNTUH	Asst. Prof	VLSI	2	--
39	K.Prasadbabu	M.Tech, JNTUH	Asst. Prof	Embedded Systems	2	--

40	B.Sindhoori	M.Tech, JNTUH	Asst. Prof	VLSI	0.6	--
41	V.Srinivas	M.Tech, JNTUH	Asst. Prof	DSCE	0.6	--

**8. Percentage of classes taken by temporary faculty – programme-wise information -Nil**

**9. Programme-wise Student Teacher Ratio**

S.No	Programme/Course	Student: Faculty
1	B.Tech	15:1
2	M.Tech	12:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

Staff	Sanctioned	Filled
Academic support Staff	9	9
Administrative staff	1	1

**11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.**

Sno	Department	Name of the Faculty	Title of the Project	Funding Agency	Duration	Grant(in Lakh)
1	ECE	Dr.M.J.C.Prasad	Image & Gesture based Single User Transportation System	UGC	Two Years	Rs 97,000/-

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received  
AICTE funding projects: Applied**



**13. Research facility / centre with**

- State recognition: The department having research and development center most of the projects under UG and PD are carried out in the department R&D center. We are trying to get the recognition from JNTUH university for Research Centre in the field of VLSI Technology.
- National recognition : Nil
- International recognition : Nil

**14. Publications:**

- number of papers published in peer reviewed journals (National / International)

S.No	Academic year	Number of Papers Published in Journals
1	2014-2015	24
2	2013-2014	18
3	2012-2013	8
4	2011-2012	4
5	2010-2011	7

- \* **Monographs** : Nil
- \* **Chapter(s) in Books** : Nil
- \* **Editing Books** : One in Progress.
- \* **Books with ISBN numbers with details of publishers** : Nil
- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)** : Nil
- \* **Citation Index – range / average** : Nil
- \* **SNIP** : Nil
- \* **SJR** : Nil
- \* **Impact factor – range / average** : Nil
- \* **H-index** : Nil

15. Details of patents and income generated : Nil

16. Areas of consultancy and income generated : Nil

**17. Faculty recharging strategies**

S.No.	Academic Year	FDP's	Workshop's	Seminar's
1	2014 - 2015	1	5	-
2	2013 - 2014	3	2	1
3	2012 - 2013	3	5	1
4	2011 - 2012	1	4	2
5	2010 - 2011	2	6	-

**Faculty Attended FDPs:**

Sno	Name of the Faculty	Designation	Name of the FDP	Venue	Academic Year
1	Mr.B.Srinivas	Assoc.Prof	Embedded System Design using Atmel XMEGA-A3BU XPLD and ARM based SAM D20 XPLD	JNTUH	2014-15
2	Mrs.M.Asha Jyothi	Asst.Prof	Applications of MATLAB in Communications and Signal Processing	MRIET	2013-14
3	Mr.M.Rama Rao	Asst.Prof	Digital Image Processing of Remotely Sensed Data	JNTUH	2013-14
4	Mrs.G. Sree Lakshmi	Assoc.Prof	VLSI Design	IETE, Hyderabad	2012-13
5	Dr.M.Manoj Priyatham	Assoc.Prof	Analog and Digital CMOS Design flow using Mentor Graphics EDA Tools	MRITS	2012-13
6	Mr.B.Srinivas	Asst.Prof	Analog and Digital CMOS Design flow using Mentor Graphics EDA Tools	MRITS	2012-13
7	Mrs.K.Himabindu	Assoc.Prof	FPGA Based Digital and	BVRIT	2011-12

			Embedded System Design		
8	Mrs.P.Sowjanya	Asst.Prof	VLSI Design Methodologies & Testing Principles	Varhaman College of Engineering	2010-11
9	Mr.B.Srinivas	Asst.Prof	Digital Image Processing & Applications	MRCET	2010-11

Faculty Attended Workshops:

Sno	Name of the Faculty	Designation	Name of the Workshop	Venue	Academic Year
1	Mrs.C.Silpa	Assoc.Prof	Research and Teaching Methodologies in Electrical Engineering	IIT Hyderabad	2014-15
2	Mr. P.Ashok Babu	Assoc.Prof	Internal Quality Assurance Mechanisms	IIT Madras	2014-15
3	Dr.Kesavan Gopal	Professor	Management Capacity Enhancement Programme	IIM Indore	2014-15
4	Mrs.K.S.Indrani	Assoc.Prof	VLSI Design using Cadence Tools	CBIT	2014-15
5	Mrs.C.Silpa	Assoc.Prof	Pedagogical Training on Core Module	ESIC, Hyderabad	2014-15
6	Mrs.C.Silpa	Assoc.Prof	Advances in Image Processing and Applications	BITS,Pilani, Hyderabad	2013-14
7	Mrs.K.Swaraja	Assoc.Prof	Analog and Digital Communications	JNTUH	2013-14
8	Mrs.K.Swaraja	Assoc.Prof	Analog and Digital Communications	MRECW	2013-14
9	Mr.B.Srinivas	Assoc.Prof	VLSI Design	SVCET, Hyderabad	2013-14
10	Mr.B.Harish	Asst.Prof	VLSI Design	SVCET, Hyderabad	2013-14
11	Mr.M.Rama Rao	Asst.Prof	Analog & Digital VLSI Design Using Cadence Tools	CMRIT	2013-14
12	Mrs.M.Asha Jyothi	Asst.Prof	Analog & Digital VLSI Design Using Cadence Tools	CMRIT	2013-14
13	Mr.A.Indra Kumar	Asst.Prof	Controller area Network	ISM University	2013-14
14	Mr.B.Harish	Asst.Prof	Recent Trends in VLSI Design	Muffakham Jah College of Engineering	2012-13

				and Technology	
15	Mr.N.Srinivas Rao	Professor	PSOCS in Embedded Systems with Lab	SNIST & UTS Technology, Hyderabad	2012-13
16	Mrs. G. Sree Lakshmi	Assoc.Prof	PSOCS in Embedded Systems with Lab	SNIST & UTS Technology, Hyderabad	2012-13
17	Mr.N.Srinivas Rao	Professor	RF System Design & Testing	JNTUH	2012-13
18	Mrs.K.Swaraja	Assoc.Prof	MATLAB for Engineering Applications	BVRIT	2011-12
19	Mr.Ch.Bhanu Prakash	Asst.Prof	VLSI Design Methodologies & Testing Principles	Vardhaman College of Engineering	2010-11
20	Mr.J.Narsimha Rao	Assoc.Prof	Recent Advances in Communication and Signal Processing	Osmania University	2010-11
21	Mrs.Binta Mengar	Asst.Prof	Recent Advances in Communication and Signal Processing	Osmania University	2010-11
22	Mrs. G. Sree Lakshmi	Assoc.Prof	Analog and Mixed Signal Design	JNTUH	2010-11
23	Mrs.C.Silpa	Asst.Prof	Smart Antennas	Osmania University	2010-11
24	Mr.B.Srinivas	Asst.Prof	Smart Antennas	Osmania University	2010-11

Faculty Attended Workshops:

Sno	Name of the Faculty	Designation	Name of the Seminar	Venue	Academic Year
1	Mrs.G.sree Lakshmi	Assoc.Prof	Low power Physical Design and Signoff	GITAM University, Hyderabad	2013-14
2	Mr.N.Srinivas Rao	Professor	Functional Verification of ARM SOC using Mentor's Questa Platform	IEEE Prime Asia Conference in association with BITS-Pilani, Hyderabad	2012-13
3	Mrs.P.S.Indrani	Asst.Prof	Advances in Image Processing and Remote Sensing	IETE, Hyderabad	2011-12
4	Mrs.A.Anitha	Asst.Prof	Advances in Image Processing and Remote Sensing	IETE, Hyderabad	2011-12

**18. Student projects**

- ❖ Percentage of students who have done in-house projects including inter-departmental.

	Academic Year	Programme	Percentage of students who have done in-house projects
1	2014-2015	B.Tech	60% (82)
2	2013-2014	B.Tech	85.7% (120)
3	2012-2013	B.Tech	57.14 (80)
4	2011-2012	B.Tech	31% (45)

S.No	Academic Year	Programme	Percentage of students who have done in-house projects
1	2014-2015	M.Tech	30.3% (20)
2	2013-2014	M.Tech	19.3% (6)
3	2012-2013	M.Tech	33.3% (5)
4	2011-2012	M.Tech	35.29% (6)

- ❖ Percentage of students doing projects in collaboration with industries / institutes.

S.No	Academic Year	Programme	Percentage of students doing projects in collaboration with industries / institutes
1	2014-2015	B.Tech	40% (54)
2	2013-2014	B.Tech	14.3% (20)
3	2012-2013	B.Tech	45.88 (60)
4	2011-2012	B.Tech	69% (100)

S.No	Academic Year	Programme	Percentage of students doing projects in collaboration with industries / institutes
1	2014-2015	M.Tech	69.7% (46)
2	2013-2014	M.Tech	100% (42)
3	2012-2013	M.Tech	100% (18)
4	2011-2012	M.Tech	100% (18)

**19. Awards / recognitions received at the national and international level by**

- Faculty : Nil
- Doctoral / post doctoral fellows : Nil
- **Students**

Mr. ABHINAV SHARMA from ECE department has been appointed as the representative of college from various organizations in order to bridge the gap between industry and education, the following are the various positions held by him

S.no	Company	Designation
1.	Facebook	Facebook India Ambassador
2.	Dell	Dell Campus Connector
3.	HCL	HCL Campus Brand Ambassador
4.	UNESCO	GoUNESCO Campus Ambassador
5.	Fuccha.in	Fuccha Campus Ambassador
6.	Microsoft	Microsoft Student Associate
7.	QS Grad School	QS Campus Ambassador
8.	Mozilla Firefox	Firefox Campus Ambassador

**20. Seminars/ Conferences/Workshops organized and the source of funding (National / International ) with details of outstanding participants, if any.**

S.No	Name of the Seminar/Conference/Workshop	Duration	Year	Eminent Scholar Participants
1	National Conference on "Emerging Trends in Science, Technology & Management"	2 days	2014	38
2	A Work shop on PSOC processor with hands on Experience	2 Days	2014	40
3	National Conference on "Advances In Communications & Electrical Engineering" (NCACEE 2K13)	2 days	2013	30

4	A Work shop on Advanced Microcontrollers	2 days	2013	50
5	A work shop on Cadence Tools	2 days	2013	50
6	A work shop on Embedded Processors	2 days	2013	45
7	A work shop on PCB Design and fabrication process.	2 days	2013	100
8	A FDP on VLSI Design using cadence tools	2 days	2013	35
9	A Work shop on VLSI physical design	2 days	2012	45
10	A work shop on women in engineering and research opportunities	2 days	2012	80
11	A work shop on Embedded systems and ARM processor with hands on experience	3 days	2012	50

**21. Student profile course-wise:**

Name of the Course (Refer Question no 2)	Applications Received under category B	Selected		Selected		Pass Percentage	
		Cat.-A	Cat.-B	M	F	M	F
B.Tech(2010-14)	310	84	36	80	40	96.2%	100%
B.Tech(2009-13)	300	84	36	80	40	90%	87.5%
B.Tech(2008-12)	290	84	36	80	40	93.7%	87.5%
B.Tech(2007-11)	290	84	36	80	40	87.5%	75%
M.Tech: DSCE (2012-14)	40	26	5	22	9	90.9%	100%
M.Tech: DSCE (2011-13)	25	12	3	9	6	88.8%	100%
M.Tech: DSCE (2010-12)	24	13	4	11	6	54.54%	66.6%
M.Tech: DSCE (2009-11)	25	12	5	10	7	100%	85.71%

M.Tech: DSCE (2008-10)	30	11	4	10	5	100%	100%
M.Tech: VLSID	30	19	5	16	8	NA	NA
M.Tech: Embedded Systems	30	14	6	16	4	NA	NA

**22. Diversity of Students**

Name of the Course (Refer Question no 2)	% of Students from the College	% of Students from the State	% of Students from other State	% of Students from other Countries
B.Tech(2014-2015)	NA	70%	30%	NA
B.Tech(2013-2014)	NA	95%	5%	NA
B.Tech(2012-2013)	NA	93%	7%	NA
B.Tech(2011-2012)	NA	95%	5%	NA
M.Tech(DSCE,VLSID & ES)(2014-2015)	2%	70%	28%	NA
M.Tech(DSCE,VLSID & ES)(2013-2014)	1%	95%	4%	NA
M.Tech(DSCE,VLSID & ES)(2012-2013)	1%	97%	2%	NA
M.Tech(DSCE,VLSID & ES)(2011-2012)	1%	96%	3%	NA

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

Department	Name of the Examination	No.Of Students Qualified			
		2014-15	2013-14	2012-13	2011-12
ECE	GATE	NA	10	12	8
	CAT	-	-	-	-
	GRE	10	28	23	26
	TOEFL	10	40	45	37
	Defense	-	-	-	-
	CIVIL Service	-	-	-	-

**24. Student progression**

Student progression	2014-15	2013-14	2012-13	2011-12	2010-11
UG to PG	NA	55%	58%	51%	50%
PG to M.Phil	NA	NA	NA	NA	NA
PG to Ph.D.	NA	1.5%	1.0%	2.0%	1.7%
Ph.D. to Post-Doctoral	NA	NA	NA	NA	NA
Employed					
Campus selection	-	36%	37.5%	35.8%	34%
Other than campus recruitment	-	40.2%	29.1%	28.3%	27%

**25. Diversity of staff**

**Percentage of faculty who are graduates**

Of the same parent university : 51.21%  
 From other universities within the State : 14.63%  
 From other universities from other States : 34.14%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.: NIL**

**27. Present details about infrastructural facilities**

a) Library : Yes

Item	UG	PG	Total
No of Titles	750	214	964
No of Volumes	6140	1586	7726
Print Journals	18	-	18
e-Journals	395	84	479

b) Internet facilities for staff and students : Yes

Name of the Internet provider : **Vainavi Pvt Limited**

Available bandwidth : 80 mbps  
 Access speed : 80 mbps  
 Availability of Internet in an exclusive lab : YES, Computer Center  
 Availability in most computing labs : All computer labs

Availability in departments and other units : Yes  
 Apart from Wired Connectivity, WiFi Facility is also available in entire campus including all the departments.

Availability in faculty rooms : YES  
 Institute's own e-mail facility to faculty : YES  
 Email facility to students : YES  
 Security/privacy to e-mail/Internet users : YES

- c. Total number of class rooms : 10
- d. Class rooms with ICT facility : 10
- e. Students' laboratories : 10

S.No	Name of the Laboratory	Capacity (area/ no)	Equipment Details
1	Electronic Devices and Circuits Lab-I	111.6 sq.m / 36	CRO's-12, Signal generator-12, RPS-12, Components required for conducting the experiments.
2	Electronic Devices and Circuits Lab-II	111.6 sq.m / 36	CRO's-12, Signal generator-12, RPS-12, Components required conducting the experiments.
3	Microprocessors & Microcontrollers Lab	148.8 sq.m / 36	Dual core Processor system's(60) installed with windows XP, 8086 kits- <u>Software:</u> MASM, keil
4	IC/ PDC Lab	111.6 sq.m / 36	CRO's-15, Signal generator-15, RPS-17, Digital trainer kits
5	VLSI lab	148.8 sq.m / 36	Dual core Processor system's(40) installed with windows XP & Linux, <u>Software:</u> VHDL / Verilog (Xilinx) and Cadence tools
6	Analog Communications Lab	111.6 sq.m / 36	CRO's-10, Signal generator-10, AC trainer kits, Digital CROs(1), AM/FM Spectrum analyzer(1)
7	Digital Signal Processing Lab	148.8sq.m / 36	Dual core Processor system's(60) installed with windows XP ,TMS DSP

			<u>Software:</u> MATLAB Code composer studio
8	Microwave engineering & DC lab	111.6 sq.m/36	Reflex Klystron bench setup(6),
			Gunn bench setup(2),
			DC trainer kits
9	PG Simulation Lab	96.72 sq.m / 20	Dual core Processor system's(20) installed with windows XP, 89C51/AVR, AT89C51ED2, ARM, PSOC kits, interfacing circuits for
10	PG Embedded Lab	96.72 sq.m / 20	Dual core Processor system's(20) installed with windows XP
			<u>Software:</u> Xilinx and Matlab

f. Research laboratories : 02

**28. Number of students of the department getting financial assistance from College.**

- ❖ The college given financial assistance to 17 M.Tech Students from TEQIP funds.

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

The BOS subcommittee will frame the curriculum and the same is send to department BOS committee for finalizing the programme/curriculum.The BOS committee is constituted as per UGC Autonomous guidelines. The Department has a BOS (Board of Studies) Committee which consists of members from various reputed Institutes (like IIT, NIT, JNTUH), from Industries, one member nominated from affiliating university, senior faculty members in the department. The department will conduct the BOS meeting once in a year. Based on the suggestions made by the BOS members the department will finalize the programme/curriculum.

**30. Does the department obtain feedback from**

- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Yes.

- ❖ The department will take the feedback from all faculties regarding the curriculum in their respective subjects.
- ❖ HOD along with the senior faculty will discuss the suggestions and same will be forwarded to BOS committee for necessary actions.
  - Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Yes.
    - ❖ The department will take the feedback from the students regarding the staff, curriculum and Teaching-learning-evaluation for every subject.
    - ❖ HOD along with the senior faculty will discuss the feedback given by the students regarding curriculum, it will be discussed in departmental BOS subcommittee and forwarded to BOS committee for necessary actions.
    - ❖ HOD along with the senior faculty will evaluate the feedback given by the students regarding staff and Teaching-learning-evaluation, if any of the staff will get less feedback the HOD gives the necessary suggestions to improve them self.
  - Alumni and employers on the programmes and what is the response of the department to the same?
 

Yes.

    - ❖ The department will take the feedback from Alumni every year and the suggestions made by the Alumni regarding the improvement of department, HOD will discuss with Principal and Management for necessary actions.
    - ❖ The department will take the feedback from Employers and the suggestions made by them regarding placements are discussed with the Principal and placement coordinator for necessary action.

**31. List the distinguished alumni of the department (maximum 10)**

Sno	Name	Company & Designation
1	Sudharasan Jayaraman	TCS, Software Engineer
2	Puppala Anusha	WIPRO, Software Engineer
3	Madichetty Srikanth	L&T INFOTECH, Software Engineer
4	Safatha Agarwal	VALUE LABS, Software Engineer
5	Nuthakki Rohitha	L&TINFOTECH, Senior Software Engineer
6	Ch.Sindhu	TCS, Senior Software Engineer
7	P.Sneha Reddy	WIPRO, Team Leader

8	K.Archana	HCL COMNET, Team Leader
9	Joy Parker	WIPRO, Project Leader
10	Poonam Gulia	INFOSYS, Project Manager

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

**Guest Lectures**

S.No	Name of the Event	Organized Under	Dates	No. of Participants
2014-2015				
1	A Guest lecture on "Overview of Back End tools for VLSI" by Dr D. Krishna Reddy, Professor, CBIT, Hyderabad	IETE	23/08/2014	50
2	A guest lecture on Overview of VLSI Physical Design	IETE	22/08/ 2014	100
2013-2014				
1	A Guest lecture on "Communication Systems" by Mr.V.Rajanesh, Assoc. Professor, JNTUH-CEJ, Karimnagar	IETE	22/01/2014	120
2	A Guest lecture on Advanced Communications	IETE	18/01/2014	110
3	A Guest lecture on DSP Architectures	IETE	12/10/2013	105
4	A Guest lecture on "Applications of DSP Processors" by Dr. I.A. Pasha, Professor & Head, BVRIT, Narsapur.	IETE	12/09/2013	115
5	A guest lecture on Low power VLSI Design	IETE	20/07/2013	50
2012-2013				
1	A Guest lecture on "Applications of Embedded systems" by Mr. P. Vikram	IETE	09/3/2013	40

	Kumar, Professor, Chalapathy Institute of Technology, Guntur.			
2	Guest Lecture on Advanced Wireless communication	IETE	17/01/2013	100
3	Guest Lecture on on Video processing	MREC	28/12/2012	110
4	Guest Lecture on on robotics	MREC	21/10/2012	150
5	Recent Trends in Microcontrollers	IETE	18/08/2012	110
6	Guest Lecture on On Image processing	MREC	03/08/2012	115

**Workshops**

S.No	Module Description	Any Other Contributory Inst/Industry	Organized	Duration/Dates	No. of Participants
1	PSOC process with hands on Experience	M/S.Uni String Tech Solutions-hyd	ECE dept	2 days (22 <sup>nd</sup> & 23 <sup>rd</sup> Aug. 2014)	50
2	A work shop on Cadence Tools	Cadence systems from banglore	ECE dept	2-day (20 <sup>th</sup> & 21 <sup>st</sup> Dec '2013)	100
3	Work shop on Advanced Microcontrollers	M/S.Uni String Tech Solutions-hyd	ECE dept	2 days (9 <sup>th</sup> & 10 <sup>th</sup> Aug '2013)	100
4	FDP on VLSI Design using cadence tools	Cadence systems from Bangalore	ECE dept	2-day (1 <sup>st</sup> & 2 <sup>nd</sup> March 2013)	100

5	PCB Design and fabrication process.	PGP Electronics Pvt Limited.	ECE dept	2-day (22 <sup>nd</sup> & 23 <sup>rd</sup> feb '2013)	110
6	PSOC process with hands on Experience	M/S.Uni String Tech Solutions-hyd	ECE dept	2 days (24-25 Aug. 2012)	50
7	VLSI physical design	M/S.Trident Tech labs-hyd	ECE dept	2 days (10 <sup>th</sup> -12 <sup>th</sup> may 2012)	100
8	A work shop on Embedded Processors )	PGP Electronics Pvt Limited.	ECE dept	2-day (21 <sup>st</sup> & 22 <sup>nd</sup> feb '2012)	80
9	women in engineering and research opportunities	WIE+IEEE society, MREC and MRECW	ECE dept	2 days (13 <sup>th</sup> -14 <sup>th</sup> Aug 2011)	100
10	Embedded systems and ARM processor with hands on	M/S.Uni String Tech Solutions-hyd	ECE dept	2 days (3 <sup>rd</sup> -5 <sup>th</sup> Aug 2011)	120
11	Robotics	M/S Orange research labs, Hyd	ECE dept	2 days (27-28 Aug 2010)	100
12	Embedded system design with hands on training	M/S.Uni String Tech Solutions-hyd	ECE dept	4 days (7-10 June 2010)	80

## Seminars

Sno	Name of the Speaker	Topic	Date	No. of Participants
1	PoornaBoodhananda ( Rama Krishna Matt)	Motivation towards ethics and human values ( Yoga & Meditation)	05/09/2014	200
2	1.Madan mohan, DGM 2.Rohit kumar varakala, Technical Faculty	One day workshop on Entrepreneurship Orientation programme with NSIC(National small scale industries corporation), Hyderabad	22/07/2013	120
3	Anitha sakur(CEO)	skill development training programmes leading to self/wage employment	28/3/2012	100
4	Ramakrishna sharma	Understanding ISO Certifications and features	13/2/2011	120
5	K.Ramnaiah DGM, CORPORATION BANK	How to get industrial loans from Banks	7/8/2010	150
6	M.D.Sinha, REGIONAL MANAGER,MSME	How to get license to establish small scale industry	10/12/2010	120

## 33. List the teaching methods adopted by the faculty for different programmes.

- ❖ The students are provided with state of the art infrastructure, technology and equipment required to carry on the teaching process in a more synchronized manner
- ❖ The teaching methods adopted are well in consonance with the industry needs and are updated on a regular basis
- ❖ Regular Industrial visits in respective fields are provided to the students for practical exposure.
- ❖ Training for campus placement and aptitude, English labs for effective communication, seminars by in-house faculty and guest speakers etc are also arranged.
- ❖ The skills and knowledge of the teachers are upgraded regularly to make them well verse with the latest industry trends so that they can impart



knowledge of latest trends and techniques to the students through Faculty development programmes.

Apart from these, some regular practices used by the faculties are:

- 1) Lecture with discussions
  - 2) Lecture with a quiz
  - 3) Tutorial
  - 4) Innovative and relevant Lab-work
  - 5) Organizing Workshops and Seminars
  - 6) Presentations and Demonstration of Models
  - 7) Group Discussion
  - 8) Class Assignment
  - 9) Project
  - 10) Seminar Presentations by students
  - 11) Inspiring the Students
  - 12) Counseling of students
  - 13) Remedial Classes
  - 14) Industrial visit
- 15) E-learning through E-journal (IEEE, ELSEVIOR, SPRINGER etc.) and NPTEL lectures available in our digital library

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

- ❖ Various Committee’s constituted at Department and college level to ensure whether the programme objectives are constantly met and learning outcomes monitored or not.
- ❖ Various tools and processes used in assessment of the achievement of the programme outcomes.

The process is based on direct and indirect assessments for the attainment of programme objectives are listed below:

**Direct assessments:** Measurement of student learning throughout a course using internal tests, university examinations, assignments, lab work, demonstrations, Tutorials, Presentations, project work and reports. These provide a sampling of what students know and/or can do and provide strong evidence of student learning.

**Indirect assessments:** Measurement of certain qualities of students learning, such as values, perceptions and attitudes, from a variety of perspectives and how

this learning is valued by different constituencies. Indirect methods provide a valuable supplement to direct methods and are generally part of a good assessment program.

A meaningful assessment program would use both direct and indirect assessments from a variety of sources (students, alumni, faculty, employers etc). This use of multiple assessment methods provides converging evidence of student learning. The table below illustrates examples of Direct and Indirect assessments.

The direct and indirect assessment of the attainment of PEO's

Methods	Tools
Direct	Exams, Assignments, Projects, Tutorials, labs, Presentations, Project work
Indirect	Employer’s Survey ,Student feedback ,Alumni Survey, Exit Survey, Placement Record, Higher Education

**35. Highlight the participation of students and faculty in extension activities.**

Our staff and students are actively participated in the extension activities like NSS. The following are the contributions of both student and faculty towards social responsibility.

Schedule of events taken up for the Academic Year 2013-14

S.No	Date	Particulars	Venue
1	15-08-2013	Independence Day	Malla Reddy Engineering College
2	23-11-2013	Blood Donation	Malla Reddy Engineering College
3	23,30 Nov; 7,14 Dec	Dental Check up Camp	Malla Reddy Engineering College
4	1-12-2013	Worlds Aids Day	Lalitha Kala Thoranam
5	26-01-2014	Republic day	Malla Reddy Engineering College
6	21-02-2014	Launch of National youth Policy and RGKA.	JNTUH, Hyderabad

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Faculty members are teaching advanced topics in various subjects to fill the gap between Industry and Educational Institutions.

S.No	Name of the Subject	Topics covered Beyond the Syllabus
1	Electronic Devices and Circuits	h-Parameters, Mid and High frequency analysis for Amplifiers, Trouble shoot the Electronic Circuits practically, Learning the SMD Electronic Components
2	Electro Magnetic Theory and Transmission Lines	Types and operations of Waveguides, PCB copper Tracks as transmission lines
3	Analog Communications	Introduction to Jammers, Television Transmission.
4	Micro Processors and Micro controllers	PIC Microcontrollers, ARM Processors
5	VLSI Design	BiCMOS Process Flow, Growth and Properties of Oxide layers on Silicon. ASIC and FPGA testing and Verification.
6	Antennas and Wave Propagation	Log Periodic Array Antenna, Distributed Antenna System, Mobile Antennas.
7	Digital Image Processing	Geometric transformations, Pixel Co-Ordinate Transformations, Different types of Interpolation, Imaging format.
8	IC Applications	Bipolar 741 Op-amp, CMOS Op-amp, Bipolar Transistor Differential Amplifier.
9	Switching Theory and Logic Design	Basic Fault Models, Fault Assumption, Types of Collapsing, Automatic test pattern generation.
10	Probability Theory and Stochastic Process	Applications of Bernoulli's Trails, Error estimation in Videos.
11	Electronic Measurements and Instrumentation	Owen's Bridge Circuit, Beat Frequency Oscillator, Practical usages of DMM, Spectrum Analyzer and logic Analyzer.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details.**

The Department got NBA Accreditation for a period of three years in 2008 and for a period of two years from July 2014.

**38. Detail any five Strengths, Weaknesses, Opportunities and challenges (SWOC) of the department****Strength:**

- 1) The ECE Department is started during 2002, and is one of the first preferred choices among the Autonomous colleges situated in Hyderabad.
- 2) The ECE Department has excellent infrastructure facilities, with highly qualified, Experienced, Dedicated faculties, along with volumes of books, printed journals, and e-journals to suit the requirements of B.Tech undergraduates and M.Tech Post graduate courses.
- 3) In ECE Department, faculties are motive to attend the Conferences, workshops and faculty development programmers at Premier Institutions as well as in industries. Department also encourages the transfer of technical knowledge by the way of organizing conferences, refresher courses, workshops and guest lectures.
- 4) Active members of Professional bodies namely, IEEE, IETE and ISTE and achieved the year on year improvement on placement.
- 5) The Department is accredited with NBA initially during 2008 and re accredited 2014, apart from signing a MoU with IIT, Hyderabad.

**Weakness:**

- 1) Communication skills of nearly 10 % students need to be improved, majority of them hails from very poor and rural background.
- 2) International academic tie-up need to be improved for enhancing the content of syllabus on par with the reputed foreign colleges.
- 3) Faculties with industrial experience need to be improved, apart from improving the consultancy activities.
- 4) Technology transfer partnership model is yet to be developed in the department.
- 5) The college is yet to develop the residential and recreational facilities for the faculties.

**Opportunities:**

- 1) Situated very close to the Second Silicon City of India, Hyderabad, the students faculties have very good opportunities to work closely with the industries.
- 2) With the development of the interdisciplinary curriculum, to meet the

job requirements of ECE students.

- 3) Student exchange programme with institutions abroad are possible.
- 4) A faculty with research and development motive is always having an opportunity to work in the state of the art research facilities in the department for growth.

**Challenges:**

- 1) Unpredictable development of technology and trends, achieving a placement of 100 % students is a real challenge.
- 2) Students admitted in the department come from various parts of the country and grown in different socio economic culture, bringing them to the common platform to achieve the long term goals is challenging.
- 3) Coping with the rapid development of the technology and employability of the students in the industry are the big challenges being an Autonomous Institution.
- 4) Decline in the supply of quality faculty and students, focusing and achieving on long term goals is a real challenge.

**39. Future Plans:**

- 1) To establish the state of the state of the art COE, Centre of Excellence (COE), specifically in the field of Chip Designing and Robotic Development.
- 2) To get PG programmes accredited for FIVE years.
- 3) To tie-up with product development industries for mutual benefits.
- 4) Planning to improve the consultancy activities in a full fledged manner.
- 5) The ECE department needs to be part of the Deemed University status planned for 2017.
- 6) Planning to providing an option to students to select the subjects which enhance their skills, interest and to face industry.

**Evaluation report of  
Computer Science and Engineering Department**

**1. Name of the Department & its year of establishment**

**COMPUTER SCIENCE AND ENGINEERING**  
B.Tech(Computer Science and Engineering) – 2005

**2. Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Program of study	Description
UG in Computer Science and Engineering	Started with <b>60</b> seats in <b>2005-06</b> . Intake increased to <b>120</b> in <b>2007-08</b> . Intake increased to <b>240</b> in <b>2012-13</b> .
PG in Computer Science and Engineering(Shift-1)	Started with <b>18</b> seats in <b>2011-12</b> .
PG in Computer Science and Engineering(Shift-2)	Started with <b>24</b> seats in <b>2012-13</b> .
G in Computer Science(Shift-1)	Starting with <b>24</b> seats in <b>2012-13</b> .

**3. Interdisciplinary courses and departments involved**

No

**4. Annual/ semester/choice based credit system**

UG (B.Tech): Semester based credit System.  
PG (M.Tech): Semester based credit System.

### 5. Participation of the department in the courses offered by other departments

S No	Name of the subject	Service offered to the Department	Year & Sem.	Credits
1	Computer Programming	B.Tech(Civil Engineering) B.Tech(Electrical and Electronics Engineering) B.Tech(Mechanical Engineering) B.Tech(Electronics and Communications Engineering) B.Tech(Information Technology) B.Tech(Mining Engineering)	I Year I sem	4
2	Computer Programming lab	B.Tech(Civil Engineering) B.Tech(Electrical and Electronics Engineering) B.Tech(Mechanical Engineering) B.Tech( Electronics and Communications Engineering) B.Tech(Information Technology) B.Tech(Mining Engineering)	I Year I sem	2
3	Data structures and software Tools	B.Tech(Electrical and Electronics Engineering) B.Tech( Electronics and Communications Engineering)	I Year I sem	4
4	Data structures and Software Tools lab	B.Tech(Electrical and Electronics Engineering) B.Tech( Electronics and Communications Engineering)	I Year II sem	2
5	Computer Networks	B.Tech( Electronics and Communications Engineering)	IV Year I sem	4
6	Object oriented program through java	B.Tech( Electronics and Communications Engineering)	IV Year I sem	4
7	Network Security & Cryptography	B.Tech ( Electronics and Communications Engineering)	IV Year II sem	4
8	Database Management System	B.Tech(Electrical and Electronics Engineering)	IV Year II sem	4

### 6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professors	06	06
Associate Professor	11	11
Asst. Professor	39	39

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

S No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided for the last 4 Years
1	Dr. Md. Masan	Ph.D	Professor	Computer Networks	10	--
2	Dr. Ch Sunil Kumar	Ph.D	Professor	Computer Science and Engineering	13	--
3	Dr. P Pindaric Nath	Ph.D	Professor	Computer Science and Engineering	18	--
4	Dr. U Ravi Babu	Ph.D	Professor	Computer Science and Engineering	10	--
5	Dr.Ch.Srinivasa Rao	Ph.D	Professor	Computer Science and Engineering	13	--
6	Dr.DVSS Subramanyam	Ph.D	Professor	Computer Science and Engineering	13	--
7	Mr.PV Ramana Murthy	M.Tech (Ph.D)	Assoc.Pr of.	Computer Science	12	--
8	Mr.M Swami Das	M.Tech (Ph.D)	Assoc.Pr of.	Computer Science and Engineering	12	--
9	Mrs.J Sireesha	M.Tech	Assoc.Pr of.	Software Engineering	10	--
10	Mr.P A Hima Kiran	M.Tech	Assoc.Pr of.	Computer Science and Engineering	6	--
11	Mr.RS Muralinath	M.Tech (Ph.D)	Assoc.Pr of.	Computer Networks	17	--
12	Mr.D Vigneshwar Rao	M.Tech	Assoc.Pr of.	Computer Science	8	--
13	Mr.S Ajay kumar	M.Tech	Assoc.Pr	Computer	6	--

			of.	Science and Engineering		
14	Mr.D Kishore Babu	M.Tech (Ph.D)	Assoc.Pr of.	Computer Networks	6	--
15	Mr.K V Raghavender	M.Tech (Ph.D)	Assoc.Pr of.	Computer Science and Engineering	6	--
16	Mr.A Radha Krishna	M.Tech (Ph.D)	Assoc.Pr of.	Computer Science and Engineering	7	--
17	Mr.E Amarnath Reddy	M.Tech	Assoc.Pr of.	Computer Science and Engineering	5	--
18	Mrs.M Ahalya Rani	M.Tech	Asst.Prof .	Software Engineering	3	--
19	Mrs.K Sandhya Reddy	M.Tech	Asst.Prof .	Computer Science and Engineering	6	--
20	Mr.J Pavan Kumar	M.Tech	Asst.Prof .	Computer Science and Engineering	3	--
21	Mr.D krishna kishore	M.Tech	Asst.Prof .	Computer Science and Engineering	6	--
22	Mr.M syamala rao	M.Tech	Asst.Prof .	Computer Science and Engineering	1	--
23	Mr.A Phaneendra	M.Tech	Asst.Prof .	Computer Science and Engineering	1	--
24	Mr.Vijay Krupa Vasatal	M.Tech	Asst.Prof .	Computer Science	4	--
25	Mrs.K Sukeerthi	M.Tech	Asst.Prof .	Software Engineering	5	--
26	Mrs.S Sandhya Rani	M.Tech( Ph.D)	Asst.Prof .	Computer Science and Engineering	6	--
27	Mrs.M Shamila	M.Tech	Asst.Prof .	Computer Science and Engineering	0	--
28	Mr.K Rama Krishna Reddy	M.Tech	Asst.Prof .	Computer Science	6	--
29	Mr.A Rajesh	M.Tech	Asst.Prof .	Computer Science and Engineering	8	--
30	Mrs.K Sravanthi	M.Tech	Asst.Prof .	Computer Science and Engineering	1	--
31	Mr.R Nageshwar	M.Tech	Asst.Prof	Computer	7	--

	Rao		.	Science and Engineering		
32	Mrs.N Deepika	M.Tech	Asst.Prof .	Computer Science and Engineering	2	--
33	Mr. A.Laxman	M.Tech	Asst.Prof .	Computer Science and Engineering	4	--
34	Ms.M.Supriya	M.Tech	Asst.Prof .	Computer Science and Engineering	2	--
35	Ms. G.Shoba rani	M.Tech	Asst.Prof .	Computer Science and Engineering	2	--
36	Ms.P.Honeydiana	M.Tech	Asst.Prof .	Computer Science and Engineering	2	--
37	Mrs.T Rani	M.Tech	Asst.Prof .	Computer Science and Engineering	2	--
38	Mr. Md. Inayathulla	M.Tech	Asst.Prof .	Computer Science and Engineering	0	--
39	Mr.G Satish	M.Tech	Asst.Prof .	Computer Science and Engineering	0	--
40	Mr.S.Sanjeeva Rayudu	M.Tech	Asst.Prof .	Computer Science and Engineering	4	--
41	Mr.M Krupa Sekhar	M.Tech	Asst.Prof .	Computer Science and Engineering	0	--
42	Mr.G Vamshi Krishna	M.Tech	Asst.Prof .	Computer Science and Engineering	2	--
43	Mr.Shiva Rama Mohan Rao	M.Tech	Asst.Prof .	Computer Science and Engineering	1	--
44	Mrs.M Mamatha	M.Tech	Asst.Prof .	Computer Science and Engineering	6	--
45	Ms.Bhanu Chandrika	M.Tech	Asst.Prof .	Computer Science and Engineering	5	--
46	Mr. S.Ramesh	M.Tech	Asst.Prof	Computer Science and Engineering	3	--
47	Mr.Srinivas P	M.Tech	Asst.Prof	Computer Science and	3	--

				Engineering		
48	Ms.S.Sri Sudha	M.Tech	Asst.Prof .	Computer Science and Engineering	1	--
49	Mrs.I Sandhya	M.Tech	Asst.Prof .	Computer Science and Engineering	6	--
50	Ms.B.Hima Bindu	M.Tech	Asst.Prof .	Computer Science and Engineering	8	--
51	Mr.Y.Sudhakar Reddy	M.Tech	Asst.Prof .	Computer Science and Engineering	3	--
52	Mrs.A Indira	M.Tech	Asst.Prof .	Computer Science and Engineering	4	--
53	Mr.K.Srinivas	M.Tech	Asst.Prof .	Computer Science and Engineering	4	--
54	Mr.A Venkar Rami Reddy	M.Tech	Asst.Prof .	Computer Science and Engineering	0	--
55	Mr.K Saidi Reddy	M.Tech	Asst.Prof .	Computer Science and Engineering	0	--
56	Mr.N Sagar	M.Tech	Asst.Prof .	Computer Science and Engineering	1	--

**8. Percentage of classes taken by temporary faculty – programme-wise information**

NIL

**9. Programme-wise Student Teacher Ratio**

S No	Programme	STR
1	UG: Computer Science and Engineering	15:1
PG		
2	1. Computer Science and Engineering-1	12:1
3	2. Computer Science and Engineering-2	12:1
4	3. Computer Science	12:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

Staff	Sanctioned	Filled
Academic support staff (Technical)	18	18
Administrative staff	03	03

**11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.**

a) National Projects: NIL

b) International funding agencies: NIL

c) Total grants received : NIL

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received**

Nil

**13. Research facility / centre with**

- State recognition: The department having research and development center most of the projects under UG and PG are carried out in the department R&D center. Efforts are made to get the recognition from JNTUH university .
- national recognition :Nil
- international recognition :Nil

**14. Publications:**

- number of papers published in peer reviewed journals (National / International)

Year	Conferences		Journals	
	National	International	National	International
2010-11	1	2	0	2
2011-12	4	4	2	6
2012-13	1	2	2	7
2013-14	15	2	0	1
2014-15	2	2	0	42
Total	23	12	4	58

- Monographs : Nil
- Chapter(s) in Books : Nil
- Editing Books : One In Progress.
- Books with ISBN numbers with details of publishers : Nil  
 Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil
- Citation Index – range / average : Nil
- SNIP : Nil
- SJR : Nil
- Impact factor – range / average : Nil
- h-index : Nil

**15. Details of patents and income generated :Nil**

**16. Areas of consultancy and income generated**

The Department Faculty and staff also participated in various consultancy works like establishing laboratories and training programs for newly establishing colleges. They also provided the services like soft ware development and training for some soft ware development organizations and companies. During the last three academic years the department has earned a consultancy amount of Rs.3, 57,550/-.

S.No	YEAR	Amount Total Rs.
1	2013-2014	2,05,000
2	2012-2013	1,02,050
3	2011-2012	50,500
Total Rs.		3,57,550

**17. Faculty recharging strategies**

Faculty Development Programs/ Refresher courses

Year	Conferences	Seminars	Workshops	FDP	Guest Lecture
2010-11	--	1	3	3	2
2011-12	--	2	2	8	3
2012-13	--	2	7	10	3
2013-14	1	1	2	8	4
2014-15	1	1	1	3	5
Total	02	07	15	32	17

**18. Student projects**

Percentage of students who have done in-house projects including inter-departmental

S.No	Academic Year	Programme	Percentage of students who have done in-house projects
1	2014-2015	B.Tech	85%
2	2013-2014	B.Tech	85%
3	2012-2013	B.Tech	45%
4	2011-2012	B.Tech	32%

S.No	Academic Year	Programme	Percentage of students who have done in-house projects
1	2013-2014	M.Tech	10%
2	2012-2013	M.Tech	20%
3	2011-2012	M.Tech	20%

Percentage of students doing projects in collaboration with industries /institutes

S.No	Academic Year	Programme	Percentage of students doing projects in collaboration with industries / institutes
1	2014-2015	B.Tech	15%
2	2013-2014	B.Tech	15%
3	2012-2013	B.Tech	100%
4	2011-2012	B.Tech	100%

S.No	Academic Year	Programme	Percentage of students doing projects in collaboration with industries / institutes
1	2013-2014	M.Tech	90%
2	2012-2013	M.Tech	80%
3	2011-2012	M.Tech	80%

**19. Awards / recognitions received at the national and international level by**

- o Faculty : NIL
- o Doctoral / post doctoral fellows : NIL
- o **Students**

S No	H No	Name	Participated /Attended Events/sports/ Others	National/ International Award and certificate
1	13J41A0559	P.Vishnavi	India inter university swimming diving(women) Jain University; Bangalore on 25th October 2014	National Sports
2	13J45A0502	K.Leela Prasad	Technical Execution on 14 <sup>th</sup> and 15 <sup>th</sup> Feb 2011	National Fest
3	13J45A0502	K.Leela Prasad	Games–Bal badminton in AANM&VVRSR Polytechnic , Krishna Dist.	College level
4	12J41A0513	Devyani singh	Akshara 2K14 National Level Tech	National Level

			Fest Beauty contest winner	
5	12J41A0513	Devyani singh	Sintillashunz 13, VNR VJIET, Hyderabad, Cultural Fest Foot – loose dance 3 <sup>rd</sup> prize	National Level Technical Fest
6	12J41A0513	Devyani singh	Sintillashunz 13, VNR VJIET, Hyderabad, Cultural Fest Group dance 2 <sup>rd</sup> prize	National Level Technical Fest

**20. Seminars/ Conferences/Workshops organized and the source of funding (national**

**i. International) with details of outstanding participants, if any.**

a) SEMINARS INVITED TALKS /GUEST LECTURERS

SNo	Date	Name of Topic	Name of Speaker
1	06-08-12	Android Applications	Mr. Amber from BAS(Business Analytical System,Hyd)
2	18-03-09	Seminar on DBMS & DB2	A.Subbarao, Namita Saxena
3	08-04-08	Local Solutions using Global Standards	Dr.L.Pratap Reddy
4	24-12-08	Lecture on Network Security	Mustan.D
5	05-02-08	Career Opportunities for Computer Sensor Network	Prof.Dr.P.Premchand
6	16-03-07	Wireless Sensor network	Dr.G.Rama Murthy
7	07-08-06	Development of Communication Skills	Amarnath Rao
8	18-11-06	Multicore Processor	Dr.R.Govindarajulu



b) Conferences

Academic Year 2014-15

S. No	Name of the Conference	Duration		Resource person/ Guest of honor	No. of participants attended
		From	To		
1	NCETSTM2K14 National Conference	8-08-14	9-08-14	Dr.Premchand,Prof ,UCE,OU,Hyderabad	34

Academic Year 2013-14

S. No	Name of the Conference	Duration		Resource person/Guest of honours/Conference chair	No. of participants attended
		From	To		
1	MRNC- ISKE 2013 National Conference	19-7-13	20-7-13	Dr A. Govardhan Professor JNTU-H, Prof.Rama Murthy Vice president Infosys, Dr Ramakanth Mohanty KMIT HYD, Dr Giridhar Akula Principal MRIET, Dr Vishnuvardhan, Prof-HOD IT JNTU Jagithyala Dr.C.Krishna Mohan, HOD,IIT,Hyd, Prof. Riyazuddin, CMRIT, Hyderabad	90

C) Workshops

Academic Year 2014-15

S. No	Name of the workshop	Duration		Resource person	No. of Students /Faculty attended
		From	To		
1	Image processing	01-12-14	05-12-14	Dr. Ramesh Chandra, VNR VJIET,Hyd Dr. Ajith Singh, Professor, JBIT, Hyd Dr.M.B.Raju, Professor	34
2	Cyber security	12-11-14	--	Dr. M.Satish	45
3	Cloud computing	10-12-14	11-12-14	Dr.Rajendra Prasad	45

Academic Year 2013-14

Sl. No	Name of the workshop	Duration		Resource person	No. of Students/ Faculty attended
		From	To		
1	Rational Quality Manger & Rational Functional Tester"	1-8-13	3-8-13	Mr. Manish Sharma, IBM,	67
2	Web technology	4-05-13	4-05-13	Mr.Madhu samala ,Project Leader,Wells Fargo	63
3	Object Oriented programming	3-04-13	3-04-13	Mr.Madhu samala ,Project Leader,Wells Fargo	62

Academic Year 2012-13

S N o	Name of the workshop	Duration		Resource person	No. of Students /Faculty attended
		From	To		
1	One Day National level workshop on Information Security Awareness	22-12-12	22-12-12	Sri .I.L.Narasihma Rao,Chairman CSI,Hyderabad	61
2	A Three day workshop on Free Software &Application	7-09-12	9-09-12	Murlinath R.S Head & Assoc Prof ,St.Martin Engg College	38
3	A One Day National level Seminar on Android & it's Applications	6-08-12	6-08-12	Murlinath R.S Head & Assoc Prof ,St.Martin Engg College	61
4	A Two Day Faculty Development Programme on Datawarehousing And Data Mining	29-06-12	30-06-12	G.Madhukar,Project Manager,IBM,Hyderabad. Dr.G.T.V.Rajineekanth, Prof, CSE department,GRIET,Hyderabad.	50
5	A Two Day Development Programme on Open Source Software & Applications	20-05-12	21-05-12	Dr.Ahmad Jabas	48
6	A Faculty Development Program On Mobile Computing	18-05-12	19-05-12	G.Rama Murthy,Assoc.Professor,IIT,Hyderabad	51
7	A Two Day Faculty Development Programme onWireless Technologies	24-03-12	25-05-12	Dr.B.N.Shastrri, Dr.G.Ramamurthy Dr.O.B.B.Ramanaiah	45

Academic Year 2011-12

S N o	Name of the workshop	Duration		Resource person	No. of Students/Fa culty attended
		From	To		
1	A Two Day National Level Workshop on Middleware Technologies	5-08-11	6-08-11	Dr.A.Govardhan,vice Chairman, CSI, Hyderabad	63
2	A Two Day National Level Workshop on Network Program & Simulation	1-07-11	2-07-11	Sri .I.L.Narasihma Rao,Chairman CSI,Hyderabad. Prashant Kumar Sahoo, & Assoc Prof ,St.Martin Engg College,CSE. K.RamaKrishna,Asso c.Professor, Sridevi Engg College for Women,Hyderabad	62

21. Student profile course-wise:

Students enrolled in the College during the current academic year, with the following details:Last 4 year (2014-15,2013-14,2012-13,2011-12) mention the total figure for 4 years, don't separate year wise

Name of the Course (refer question no. 2)	Applicati ons received category B	Selected		Selected		Pass Percentage	
		cat eg ory A	cate gor y B	Male	Female	Male	Female
M.Tech CSE (2011 – 13)	19	12	6	10	6	100%	100%
M.Tech CSE (2012 – 14)	38	29	13	30	12	98%	98%*
M.Tech CSE (2013-15)	13	29	13	22	19	85% *	88% *

M.Tech CS (2012 – 14)	20	17	7	10	13	98% *	96% *
M.Tech CS (2013-15)	7	17	7	11	5	85%*	90% *
B.Tech CSE (2010-14)	164	84	36	74	46	95%	100%
B.Tech CSE (2011-15)	159	84	36	62	58	NA	NA
B.Tech CSE (2012-16)	196	168	72	153	87	NA	NA
B.Tech CSE (2013-17)	194	168	72	154	86	NA	NA
B.Tech CSE (2014-18)	211	168	72	132	108	1 <sup>st</sup> Year	1 <sup>st</sup> Year

\*category A-70%

\*category B-30 % ( under management quota)

\* Results awaited

**22. Diversity of Students**

Name of the Course (Refer Question no 2)	% of Students from the College	% of Students from the State	% of Students from other State	% of Students from other Countries
B.Tech(2014-15)	NA	93.75	6.25	0
B.Tech(2013-14)	NA	95.84	4.16	0
B.Tech(2012-13)	NA	95.64	4.36	0
B.Tech(2011-12)	NA	95.84	4.16	0
M.Tech(CSE-1) (2014-15)	0	93.34	6.66	0
M.Tech(CSE-2) (2014-15)	0	100	0	0
M.Tech(CS) 2014-15)	0	100	0	0
M.Tech(CSE-1) (2013-14)	0	94.45	5.55	0
M.Tech(CSE-2)	0	100	0	0

(2013-14)				
M.Tech(CS) (2013-14)	0	100	0	0
M.Tech(CSE-1) (2012-13)	0	88.88	11.12	0
M.Tech(CSE-2) (2012-13)	0	100	0	0
M.Tech(CS) (2012-13)	0	100	0	0
M.Tech(CSE-1) (2011-12)	6.25	93.75	0	0

**23. How many students have cleared Civil Services, Defence services, NET, SLET, GATE and any other competitive examination?.**

Department	Name of the examination	No. of students qualified			
		2014-15	2013-14	2012-13	2011-12
CSE	GATE	NA	8	4	3
	CAT	--	--	--	--
	GRE	20	16	30	24
	TOEFL	2	--	--	--
	Defense	--	--	--	--
	Civil Service	--	--	--	--

**24. Student progression**

Student progression	2007-11	2008-12	2009-13	2010-14	2011-15
UG to PG	50%	20%	25%	13.33%	NA
PG to M.Phil	NA	NA	NA	NA	NA
PG to Ph.D	--	--	--	--	--

Employed	5%	15.83%	11.66%	33.33%	--
Campus selection					
Other than campus recruitment	15.83%	8.33%	13.33%	8.33%	--

**25. Diversity of staff**

**Percentage of faculty who are graduates**

- of the same parent university : 67.85%
- From other universities within the State : 26.78%
- From other universities from other States : 5.35%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. NIL**

**27. Present details about infrastructural facilities**

a) Library **Department**

Item	UG	PG	Total
No of Titles	2100	-	2100
No of Volumes	1200	-	1200

b) Internet facilities for staff and students

80Mbps Broadband internet connectivity is available for both staff & students.  
Apart from Wired Connectivity, WiFi Facility is also available in entire campus including CSE department.

c) Total number of class rooms

- Total No. of Class rooms for B.Tech Course: 10
- Total No. of Class rooms for M.Tech Course: 06
- Total No. of Tutorial Rooms for B.Tech Course: 03
- Total No. of Tutorial Rooms for M.Tech course: 03

d) Class rooms with ICT facility

10 Class rooms with ICT Facility available in the CSE Department

e) Students' laboratories

Laboratory description in the curriculum	Exclusive use / shared	Space, number of students	Number of experiments	Quality of instruments	Laboratory manuals
CPDS lab1 Year: 1 <sup>st</sup>	Exclusive use	160/60	48	Mother Board: INTEL Processor : Intel Pentium Dual core cp4 E2140@ 1.60 GHZ RAM: 1 GB Hard disk: 80 GB Monitor: BenQ 15" Mouse: I ball USB Keyboard: I ball USB	Available
CPDS lab2 Year: 1 <sup>st</sup>	Exclusive use	132/60	48	Mother Board: INTEL Processor : Intel Pentium Dual core cp4 E2140@ 1.60 GHZ RAM: 1 GB Hard disk: 80 GB Monitor: BenQ 15" Mouse: I ball USB Keyboard: I ball USB	Available
IT Workshop Lab-1	Exclusive use	101/30	18	Mother Board: INTEL Processor : Intel Pentium Dual core cp4 E2140@ 1.60 GHZ RAM: 1 GB Hard disk: 80 GB Monitor: BenQ 15" Mouse: I ball USB Keyboard: I ball USB	Available
IT Workshop Lab-2	Exclusive use	100/30	18	Mother Board: INTEL Processor : Intel Pentium Dual core cp4 E2140@ 1.60 GHZ RAM: 1 GB Hard disk: 80 GB Monitor: BenQ 15"	Available

				Mouse: I ball USB Keyboard: I ball USB	
OOP LAB Year: II/IV (2 <sup>nd</sup> sem)	Exclusive use	72/30	25	Mother Board: INTEL Processor : Intel Pentium Dual Core CP4 E5800@3.30 GHz RAM: 2 GB Hard disk: 320 GB Monitor:Zenith 19" Mouse:Zenith USB LAN : Realtech Keyboard:Zenith USB	Available
WT &CD Lab Year: III/IV(2 <sup>nd</sup> sem)	Exclusive use	72/30	20	Mother Board: INTEL Processor : Intel Pentium Dual Core CP4 E5800@3.30 GHz RAM: 2 GB Hard disk: 320 GB Monitor:Zenith 19" Mouse:Zenith USB LAN : Realtech Keyboard:Zenith USB	Available
CN&OS Year: III/IV	Exclusive use	72/30	17	Mother Board: INTEL Processor : Intel Pentium Dual Core CP4 E5800@3.30 GHz RAM: 2 GB Hard disk: 320 GB Monitor:Zenith 19" Mouse:Zenith USB LAN : Realtech Keyboard:Zenith USB	Available
Project Lab and ST lab	Exclusive use	72/30	-	Mother Board: INTEL Processor : Intel Pentium Dual Core CP4 E5800@3.30 GHz RAM: 2 GB Hard disk: 320 GB	Available

				Monitor:Zenith 19" Mouse:Zenith USB LAN : Realtech Keyboard:Zenith USB	
Linux and Data Mining lab	Exclusive use	112/60	-	Mother Board: INTEL Processor : Intel Pentium Dual Core CP4 E5800@3.30 GHz RAM: 2 GB Hard disk: 320 GB Monitor:Zenith 19" Mouse:Zenith USB LAN : Realtech Keyboard:Zenith USB	Available
Web Technologies Lab (M.Tech)	Exclusive use	72/30	-	Mother Board: INTEL Processor : Intel Pentium Dual Core CP4 E5800@3.30 GHz RAM: 2 GB Hard disk: 320 GB Monitor:Zenith 19" Mouse:Zenith USB LAN : Realtech Keyboard:Zenith USB	Available
Databases and Compilers Lab	Exclusive use	72/30	-	Mother Board: INTEL Processor : Intel Pentium Dual Core CP4 E5800@3.30 GHz RAM: 2 GB Hard disk: 320 GB Monitor:Zenith 19" Mouse:Zenith USB LAN : Realtech Keyboard:Zenith USB	Available

f) Research laboratories

S. No	Name of the lab	No. of systems	System Specifications
1	R & D lab	10	Mother Board: INTEL Processor : Intel(R) core (TM) I3-4150 CPU@3.5 GHz RAM: 4 GB Hard disk: 500 GB Monitor:DELL 19" Mouse: DELL USB LAN : Realtech Keyboard: DELL USB

**28. Number of students of the department getting financial assistance from College.**

S No	Name of Financial assistance	Assistance to
1	World bank assistance TEQIP –SC.1.1	M.Tech 20 students

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

The BOS subcommittee will frame the curriculum and the same is send to department BOS committee for finalizing the programme/curriculum.The BOS committee is constituted as per UGC Autonomous guidelines. The Department has a BOS (Board of Studies) Committee which consists of members from various reputed Institutes (like IIT, NIT, JNTUH), from Industries, one member nominated from affiliating university, senior faculty members in the department. The department will conduct the BOS meeting once in a year. Based on the suggestions made by the BOS members the department will finalize the programme/curriculum

**30. Does the department obtain feedback from**

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Yes.

The department will take the feedback from all faculties regarding the curriculum in their respective subjects.

HOD along with the senior faculty will discuss the suggestions and same will be

forwarded to BOS committee for necessary actions.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Yes.

The department will take the feedback from the students regarding the staff, curriculum and Teaching-learning-evaluation for every subject.

HOD along with the senior faculty will discuss the feedback given by the students regarding curriculum, it will be discussed in departmental BOS subcommittee and forwarded to BOS committee for necessary actions.

HOD along with the senior faculty will evaluate the feedback given by the students regarding staff and Teaching-learning-evaluation, if any of the staff will get less feedback the HOD gives the necessary suggestions to improve them self.

- c. Alumni and employers on the programmes and what is the response of the department to the same? Yes.

The department will take the feedback from Alumni every year and the suggestions made by the Alumni regarding the improvement of department, HOD will discuss with Principal and Management for necessary actions.

The department will take the feedback from Employers and the suggestions made by them regarding placements are discussed with the Principal and placement coordinator for necessary action.

**31. List the distinguished alumni of the department (maximum 10)**

S No	Name	Name of the Company	Designation	Email
1	Mr. B. Geolgladson	Infosys	Sr. Manager	geol.gladson514@gmail.com
2	G. J. Prashanth	Kean India Pvt Limited	Sr. manager	jprashanth522@gmail.com

3	Ms. Minali Mutta	Tera Data Software	Sr. manager	mutta.minali@gmail.com
4	R.Rohini Reddy	Google	Sr. Manager	r_rohini_reddy@yahoo.com
5	Muppidi V.S P.Mihira	Amazon	Software Engineer	mihi_holydevils_1@yahoo.com
6	Mr. Shravan J naidu	Accenture	Software Engineer	shravanjnaidu@gmail.com
7	Ms. G. Tabassum	Unisys	Software Engineer	gtabassum77@yahoo.com
8	Mr. Dharmvir Tiwari	NTT DATA	Software Engineer	dbits@live.com
9	Mr. Sai Kiran Varma S Mohan raj	L&T Infotech	Software Engineer	ssk.varma12@gmail.com
10	Ms. K Sreethaja	Virtusa Software	Software Engineer	koneru.sreethaja@gmail.com

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.  
Guest lecturers/ Seminar**

Sno	Name of the Guest Lecture/Workshop	Date	Resource Person	No of Participants
1.	Web Technology	06-08-14	Mr. Raghuvveer K, IBM, Hyderabad	90
2.	Soft computing	17-09-14	Prof. Brahma, VNR VJIET	82
3.	Grid computing	27-09-14	Prof. Dr. K.Anuradha, GRIET, Hyd	78
4.	Network Security and its applications	10-10-14	Mr. Venkesh Sharma, TKRCET, Hyd	92
5.	Cyber security	20-10-14	Ms. Jyothi, Assoc.Prof,	48

			GNIT, Hyd	
6.	Awareness of quality improvement program	03-12-14	Mr. T. Bharani, Black buck solutions, Hyd	46
7.	Webinar on "Cloud Management"	01-08-14	Amit Kumar Gupta, Senior Developer, Microsoft,India Mr.Vikas Gupta, M.D.,Microsoft India	51
8.	Webinar on "Information security"	24-7-14	Mr.Anjaneya Sastry, Assurance Manager, Wipro.	54
9.	A one day workshop on "IBM BLUEMIX"	22-7-14	Mr. Satish Reddy, IBM	340
10.	Guest Lecture on "Know How to think Out of the Box"	03-03-14	Mr.Arun Bhagavatula, Founder & CEO, Manhunt Consultants	46
11.	Guest lecture on "Network Security"	02-4-14	Mr.Srinivas, Assoc Professor ,MRIT	52
12.	Formal Languages and Automata Theory	1-4-2014 to 2-4-2014	Mr. M. Gangappa, Assoc.Professor VNR VJIET, Hyd	58
13.	Guest Lecture on "IT Current Scenarios and Certification Awareness Programmes"	19-10-13	Mr. A Chadra Kumar,Central Manager,CMC Limited,2 <sup>nd</sup> floor,Iswarya Complex,Hyderabad-500050	47
14.	A one day workshop on "Oracle DataBase Application Development"	09-02-13	Venkat Oichela, Director-Technical,Uclid IT School,P.Muralidhar Reddy-CTO&Director,Uclid IT Services Private Limited.	54
15.	One day workshop on "Web Technologies"	09-03-13	Venkat Oichela, Director-Technical,Uclid IT School,P.Muralidhar Reddy-CTO&Director,Uclid IT Services Private	46

			Limited.	
16.	A three day workshop on “Rational Quality Manger & Rational Functional Tester”	01-03-13 to 03-03-13	Mr. Manish Sharma, IBM	43
17.	A Three day workshop on “Open source softwares (Linux Administration, Android ,Drupal)”	07-09-12 to 09-09-12	e-Swecha Team (Mr.Shiva Mr.Prakash, Mr.Sashi, Mr.Bhuvan, Mr.Vinay)	48
18.	Formal Languages and Automata Theory	1-4-2014 to 2-4-2014	Mr. M. Gangappa, Assoc.Professor VNR VJIET, Hyd	58

### 33. List the teaching methods adopted by the faculty for different programmes.

- ❖ The students are provided with state of the art infrastructure, technology and equipment required to carry on the teaching process in a more synchronized manner
- ❖ The teaching methods adopted are well in consonance with the industry needs and are updated on a regular basis
- ❖ Regular Industrial visits in respective fields are provided to the students for practical exposure.
- ❖ Training for campus placement and aptitude, English labs for effective communication, seminars by in-house faculty and guest speakers etc are also arranged.
- ❖ The skills and knowledge of the teachers are upgraded regularly to make them well verse with the latest industry trends so that they can impart knowledge of latest trends and techniques to the students through Faculty development programmes.

Apart from these, some regular practices used by the faculties are:

- 1) Lecture with discussions
- 2) Lecture with a quiz
- 3) Tutorial
- 4) Innovative and relevant Lab-work
- 5) Organizing Workshops and Seminars

- 6) Presentations and Demonstration of Models
- 7) Group Discussion
- 8) Class Assignment
- 9) Project
- 10) Seminar Presentations by students
- 11) Inspiring the Students
- 12) Counseling of students
- 13) Remedial Classes
- 14) Industrial visit
- 15) E-learning through E-journal (IEEE, ELSEVIER, SPRINGER etc.) and NPTEL lectures available in our digital library

### 34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Various Committee’s constituted at Department and college level to ensure whether the programme objectives are constantly met and learning outcomes monitored or not.

Various tools and processes used in assessment of the achievement of the programme outcomes. The process is based on direct and indirect assessments for the attainment of programme objectives are listed below:

**Direct assessments:** Measurement of student learning throughout a course using internal tests, university examinations, assignments, lab work, demonstrations, Tutorials, Presentations, project work and reports. These provide a sampling of what students know and/or can do and provide strong evidence of student learning.

**Indirect assessments:** Measurement of certain qualities of students learning, such as values, perceptions and attitudes, from a variety of perspectives and how this learning is valued by different constituencies. Indirect methods provide a valuable supplement to direct methods and are generally part of a good assessment program.



A meaningful assessment program would use both direct and indirect assessments from a variety of sources (students, alumni, faculty, employers etc). This use of multiple assessment methods provides converging evidence of student learning. The table below illustrates examples of Direct and Indirect assessments.

The direct and indirect assessment of the attainment of PEO's

Methods	Tools
Direct	Examinations, Assignments, Projects, Tutorials, labs, Presentations.
Indirect	Employer's Survey, Student feedback, Alumni Survey, Exit Survey, Placement Record, Higher Education

### 35. Highlight the participation of students and faculty in extension activities.

#### Internship opportunities to students

Our staff and students are actively participated in the extension activities like NSS. The following are the contributions of both student and faculty towards social responsibility.

Schedule of events taken up for the Academic Year 2013-14

Sno	Date	Particulars	Venue
1	15-08-2013	Independence Day	Malla Reddy Engineering College
2	23-11-2013	Blood Donation	Malla Reddy Engineering College
3	23,30 Nov; 7,14 Dec	Dental Check up Camp	Malla Reddy Engineering College
4	1-12-2013	Worlds Aids Day	Lalitha Kala Thoranam
5	26-01-2014	Republic day	Malla Reddy Engineering College
6	21-02-2014	Launch of National youth Policy and RGKA.	JNTUH, Hyderabad

### 36. Give details of "beyond syllabus scholarly activities" of the department.

Faculty members are teaching advanced topics in various subjects to fill the gap between Industry and Educational Institutions.

S.No	Name of the Subject	Topics covered Beyond the Syllabus
1	Operating Systems	Real time operating system, Task scheduling Algorithms
1	Software Engineering	SDLC types, Software economics, Software life cycle, Software architecture, All focus of software testing
2	Software Testing Methodologies	QTP, Win Runner and Load Runner basics
3	Computer Organization	Advance Parallel processing, Pipelining
4	Computer Networks	Key enhanced protocols, Authentication, MAC, Wireless Technologies
5	Information Security	Security for wireless technologies, web security fundamentals
6	Mobile Computing	Wireless sensor networks, hyper cube networks, flat routing protocol.
7	Design and Analysis of Algorithms	Design efficient algorithm for selecting and comparing the available design strategies.
8	DBMS	Query optimization, Query Evaluation, DB2 introduction, JDBC.
9	Web Technologies	Struts Frame work, JSF, Spring Frame work and Hibernate
10	Computer programming & Data Structures	Graphics related API, B+ Trees, 2-3-4 Tree

### 37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

Year	Description
2014	Accredited by NBA for 2 Years ( 2014-15 to 2015-2016)

### 38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

#### Strength:

- ❖ The CSE Department is started during 2005, and is one of the first preferred among the Autonomous colleges situated in Hyderabad.
- ❖ The CSE Department has excellent infrastructure facilities, with highly Qualified, experienced, dedicated faculty. With the department library consists volumes of books, printed journals and e-journals to cater the requirements of B.Tech. and M.Tech. Courses.
- ❖ In CSE Department, faculty are encouraged to attend the Conferences, Workshops and Faculty Development Programme at Premier Institutions and Industries. The Department also facilitate the transfer of technical knowledge by organizing conferences, refresher courses, workshops and guest lectures.
- ❖ Active members of Professional bodies namely, IEEE, CSI and ISTE and improvement on placement.
- ❖ The Department is accredited by NBA in the year 2014.

#### Weakness:

- ❖ Communication skills of nearly 10 % students need to be improved, majority of them hails from very poor and rural background.
- ❖ International academic tie-up need to be improved for enhancing the content of syllabus on par with the reputed foreign colleges.
- ❖ Faculties with industrial experience need to be improved, apart from improving the consultancy activities.
- ❖ Technology transfer partnership model is yet to be developed in the department.
- ❖ The college is yet to develop the residential and recreational facilities for the faculties.

#### Opportunities:

- ❖ Situated very close to the Second Silicon City of India, Hyderabad, the students faculties have very good opportunities to work closely with the industries.
- ❖ With the development of the interdisciplinary curriculum, to meet the requirements of CSE students.
- ❖ Student exchange programme with institutions abroad are possible.
- ❖ A faculty with research and development motive is always having an opportunity to work in the state of the art research facilities in the department for growth.

#### Challenges:

- ❖ Unpredictable development of technology and trends, achieving a placement of 100 % is a real challenge.
- ❖ Students admitted in the department come from various parts of the country and grown in different socio economic culture, bringing them to the common platform.
- ❖ Updation of the department on par with the rapid developments in the technologies.
- ❖ Decline in the supply of quality faculty and students, focusing and achieving on long term goals is a real challenge.

#### 39. Future Plans:

- ❖ To establish the state of the art CoE, Centre of Excellence (CoE), specifically in the field of Emerging technologies in computer science, communication and information technology.
- ❖ To get PG programmes accredited for FIVE years.
- ❖ To tie-up with service and product development industries for mutual benefits.
- ❖ Planning to strengthen the consultancy activities in a fully fledged manner.

**Evaluation report by Information Technology department**

**1. Name of the Department & its year of establishment**

Information Technology , 2007.

**2. Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Program of Study	Description
UG IN Information Technology	Started with 60 seats in 2007

**3. Interdisciplinary courses and departments involved**

NO

**4. Annual/ semester/choice based credit system**

UG(B.Tech) : Semester based credit system.

**5. Participation of the department in the courses offered by other departments**

S.No	Name of the Subject	Services to the other Departments	Year and Sem.	Credits
1	IT workshop	1. Electronics and Communications Engineering 2. Electrical and Electronics Engineering 3. Computer Science and Engineering	I Year I Sem.	2
2	IT workshop	1. Civil Engineering 2. Mechanical Engineering 3. Mining Engineering	I Year II Sem.	2

**6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professor	04	04
Asst. Professor	11	11

**7. 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
Mr M Sabhapathy	M.Tech	Assoc.Prof	Artificial Intelligence	7	-
Mr K Madan Mohan	M.Tech (Ph.D)	Assoc.Prof	Software Engineering	6	-
Mr R Chandra Sekhar	M.Tech	Assoc.Prof	Software Engineering	6	-
Mr M Thukaram Reddy	M.Tech	Assoc.Prof	Software Engineering	5	-
Mr V.Satish Kumar	M.Tech	Asst.Prof	Computer Science and Engineering	4	-
Ms.V Nishitha Reddy	M.Tech	Asst.Prof	Software Engineering	1	-
Mr Gurla Sudhakar	M.Tech	Asst.Prof	Computer Science and Engineering	3	-
Mr K Ranjith Kumar	M.Tech	Asst.Prof	Computer Science and Engineering	3	-
Ms K Sudha Reddy	M.Tech	Asst.Prof	Computer Science and Engineering	3	-
Ms T Priyadharshini	M.Tech	Asst.Prof	Information Technology	0	-
Mr. Venkata Kiran Dandiprolu	M.Tech	Asst.Prof	Information Technology	2	-

Mr. V L N Phanindra	M.Tech	Asst.Prof	Computer Science and Engineering	4	-
Mr. T Bala Krishna	M.Tech	Asst.Prof	Computer Science and Engineering	1	-
Mr. B. Nareshkumar	M.Tech	Asst.Prof	Data Base Systems	2	-
Mr. M Sathish Kumar	M.Tech	Asst.Prof	Data Base Systems	2	-

**8. Percentage of classes taken by temporary faculty – programme-wise information**

NIL

**9. Programme-wise Student Teacher Ratio**

S.No	Program	Student Teacher Ratio
1	UG(B.Tech)	15:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Academic support staff (Technical)	02	02
Administrative staff	01	01

**11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.**

NIL

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received**

NIL

**13. Research facility / centre with**

- o state recognition - Nil
- o national recognition - Nil
- o international recognition - Nil

Research Lab has been established in collaboration with CSE Department and we are seeking for state / University recognition.

**14. Publications:**

Year	Conferences		Journals	
	National	International	National	International
2010-11	-	-	-	-
2011-12	-	1	-	3
2012-13	-	-	-	1
2013-14	2	1	-	2
2014-15	-	-	-	-
Total	2	2	0	6

Sno	Academic Year	Name of the Faculty	Title of the Paper	Name of the Conference /Journal	National/International	Volume no/Issue no	Page No
1	2011-12	K Sudha Reddy	Detecting SQL Injections from web application	International Journal Of Engineering Science & Advanced Technology [IJESAT]	International	2/3	664-671
2	2011-12	V Sathish Kumar	Comparative Analysis Of Endaira And E-Endaira Secure Source Routing Protocol For Manets	International Journal Of Engineering Science & Advanced Technology [IJESAT]	International	2/3	479-485
3	2011-12	V Sathish	Detecting SQL Injections	International Journal Of Engineering	International	2/3	664-671

		Kumar	from web application	Science & Advanced Technology [IJESAT]			
4	2011-12	V Sathish Kumar	Drives Fatigue Detection System Based on Mouth and yawn analysis	ICSCI – 2012	International	1/1	112-115
5	2012-13	K Madan Mohan	A review on :Approach to cloud computing	International Journal Of Engineering Science & Advanced Technology [IJESAT]	International	3/1	27-32
6	2013-14	K Madan Mohan	Cloud Outcome and Troubles with Safety Solutions	International Journal Of Electronics Communicatio nand Computer Engineering	International	4/6	43-46
7	2013-14	V Nishitha Reddy	A Novel Approach for Mobile Bar Code Scanning	International Journal Of Engineering Research & Technology(IJERT)	International	1/7	1 -8
8	2013-14	K Madan Mohan	Cloud Computing importance in the industries	MRNC ISKE	National	1/1	166-169

			and raising the security solutions				
9	2013-14	K Madan Mohan	Data Storage Space and Secuiry in cloud computing	Natinal Conference in Computing and Netwroking . [ ISBN : 978 93 83038 11 4]	National	1/1	75-80
10	2013-14	K Madan Mohan	Cloud Amazing Part of Big Data	International Conference on cloud computing - 2013	International	1/1	96-99

- \* number of papers published in peer reviewed journals (national / international) - NIL
- \* Monographs - NIL
- \* Chapter(s) in Books - NIL
- \* Editing Books - NIL
- \* Books with ISBN numbers with details of publishers - NIL
- \* number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - NIL
- \* Citation Index – range / average - NIL
- \* SNIP - NIL
- \* SJR - NIL
- \* Impact factor – range / average - NIL
- \* h-index - NIL

15. Details of patents and income generated : NIL

16. Areas of consultancy and income generated :NIL

**17. Faculty recharging strategies**

S.No.	Academic Year	FDP's	Workshop's	Seminar's
1	2010 – 2011	7	3	-
2	2011 – 2012	5	2	1
3	2012 – 2013	2	19	5
4	2013 – 2014	1	5	-
5	2014 – 2015	-	1	-

**Faculty attended FDPS:**

S.No	Name of the faculty	Designation	Name of the FDP	Venue	Academic year
1	P.V.Ramana Murthy	Asso. Prof	Faculty Development programme on “Artificial Intelligence and Neural Networks”	Malla Reddy Engineering College, Hyderabad.	2010-11
2	V Satish Kumar	Asst. Prof	Faculty Development programme on “Artificial Intelligence and Neural Networks”	Malla Reddy Engineering College, Hyderabad.	2010-11
3	K Sudha Reddy	Asst. Prof	Faculty Development programme on “Artificial Intelligence and Neural Networks”	Malla Reddy Engineering College, Hyderabad.	2010-11
4	K Jansi Rani	Asst. Prof	Faculty Development programme on “Artificial Intelligence and Neural Networks”	Malla Reddy Engineering College, Hyderabad.	2010-11

5	P.V.Ramana Murthy	Assoc. Prof	Faculty Development programme on “INFORMATION SECURITY”	Malla Reddy Engineering College, Hyderabad.	2010-11
6	V Satish Kumar	Asst. Prof	Faculty Development programme on “INFORMATION SECURITY”	Malla Reddy Engineering College, Hyderabad.	2010-11
7	K Sudha Reddy	Asst. Prof	Faculty Development programme on “INFORMATION SECURITY”	Malla Reddy Engineering College, Hyderabad.	2010-11
8	P.V.Ramana Murthy	Asso. Prof	Faculty Development programme on “WIRELESS TECHNOLOGIES”	Malla Reddy Engineering College, Hyderabad.	2011-12
9	V Satish Kumar	Asst. Prof	Faculty Development programme on “WIRELESS TECHNOLOGIES”	Malla Reddy Engineering College, Hyderabad.	2011-12
10	K Sudha Reddy	Asst. Prof	Faculty Development programme on “WIRELESS TECHNOLOGIES”	Malla Reddy Engineering College, Hyderabad.	2011-12
11	K Madan Mohan	Asst. Prof	Faculty Development programme on “WIRELESS	Malla Reddy Engineering College,	2011-12

			TECHNOLOGIES”	Hyderabad.	
12	K Jansi Rani	Asst. Prof	Faculty Development programme on “WIRELESS TECHNOLOGIES”	Malla Reddy Engineering College, Hyderabad.	2011-12
13	R Chandra Shekhar	Asst. Prof	Effective teaching methodologies	Malla Reddy College Of Engineering and Technology, Hyd.	2012-13
14	K Madan Mohan	Asst. Prof	Recent trends in cloud computing	VNR VJIT, Hyderabad	2012-13
15	R Chandra Shekhar	Asst. Prof	Pedagogy Training	NITTTR, Chandigarh	2013-14

**Faculty attended Workshops:**

Sl No	Name of the faculty	Designation	Name of the Workshop Attended	Venue	Year
1	P.V.Ramana Murthy	Assoc Prof	Two day workshop on Mission 10X “High Impact Teaching Skills”	MREC, Hyderabad.	2010-11
2	K Jansi Rani	Asst. Prof	Three day national workshop on NETWORK MANAGEMENT SYSTEMS	VNR-VJIT	2010-11
3	K Madan Mohan	Asst. Prof	Two day workshop on Advanced Techniques and Trends in DataMining & Data	ATRI	2010-11

			Warehousing		
4	P.V.Ramana Murthy	Assoc Prof	Introduction to research methodologies	MRCET	2011-12
5	K Jansi Rani	Asst. Prof	Six day workshop on Network Programming and Simulators	GNITS	2011-12
6	V Satish Kumar	Asst. Prof	Web-based e-financial monitoring report(e-FMR) and financial management training	University college of Engineering, Osmania University, Hyderabad	2012-13
7	V Satish Kumar	Asst. Prof	Cloud Computing at MRCET	Malla Reddy College Of Engineering and Technology	2012-13
8	K Madan Mohan	Asst. Prof	Cloud Computing at MRCET	Malla Reddy College Of Engineering and Technology	2012-13
9	M Thukaram Reddy	Asst. Prof	Cloud Computing at MRCET	Malla Reddy College Of Engineering and Technology	2012-13
10	P.V.Ramana Murthy	Assoc Prof	Oracle Database Application development	Malla Reddy Engineering College	2012-13
11	V Satish Kumar	Asst. Prof	Oracle Database Application development	Malla Reddy Engineering College	2012-13
12	K Madan Mohan	Asst. Prof	Oracle Database Application development	Malla Reddy Engineering College	2012-13
13	M Thukaram	Asst. Prof	Oracle Database Application	Malla Reddy Engineering	2012-13

	Reddy		development	College	
14	R Chandra Sekhar	Asst. Prof	Oracle Database Application development	Malla Reddy Engineering College	2012-13
15	K Madan Mohan	Asst. Prof	Information Security Awareness	Malla Reddy Engineering College	2012-13
16	R Chandra Sekhar	Asst. Prof	Information Security Awareness	Malla Reddy Engineering College, Hyderabad.	2012-13
17	K Madan Mohan	Asst. Prof	The role of .Net in Cloud Computing	Osmania University, Hyderabad.	2012-13
18	P.V.Ramana Murthy	Assoc Prof	Free Software with Hands on	Malla Reddy Engineering College	2012-13
19	V Satish Kumar	Asst. Prof	Free Software with Hands on	Malla Reddy Engineering College	2012-13
20	K Madan Mohan	Asst. Prof	Free Software with Hands on	Malla Reddy Engineering College	2012-13
21	M Thukaram Reddy	Asst. Prof	Free Software with Hands on	Malla Reddy Engineering College	2012-13
22	R Chandra Sekhar	Asst. Prof	Free Software with Hands on	Malla Reddy Engineering College	2012-13
23	K Madan Mohan	Asst. Prof	one week workshop on CPDS	SR Engg college, Warangal	2012-13
24	V Satish Kumar	Asst. Prof	one week workshop on Linux Programming	Bharat Institute Of Engineering and Technology, Hyderabad.	2012-13
25	V Satish Kumar	Asst. Prof	one week workshop on Fundamental Skills in IT	JNTU-H	2013-14
26	M	Asst.	Cloud Computing	MRCET	2013-

	Thukaram Reddy	Prof			14
27	V Satish Kumar	Asst. Prof	Cloud Computing	MRCET	2013-14
28	R Chandra Sekhar	Asst. Prof	Cloud Computing	MRCET	2013-14
29	K Madan Mohan	Asst. Prof	Cloud Computing	MRCET	2013-14
30	M Sabhpathy	Asst. Prof	Math Lab & Simulink for Engineering Education	Math Works	2014-15

**Faculty attended Seminars:**

S. No	Name of the Faculty	Designation	Seminar Topic	Venue	Year
1	P.V.Ramana Murthy	Assoc Prof	Advances in Image processing & Remote Sensing	MRCET	2012-2013
2	P.V.Ramana Murthy	Assoc Prof	IT Current Scenarios & Certification awareness Programmes	MREC	2012-2013
3	V Satish Kumar	Asst. Prof	IT Current Scenarios & Certification awareness Programmes	MREC	2012-2013
4	R Chandra Shekhar	Asst. Prof	IT Current Scenarios & Certification awareness Programmes	MREC	2012-2013
5	K Madan Mohan	Asst. Prof	IT Current Scenarios & Certification awareness Programmes	MREC	2012-2013
6	M	Asst.	IT Current	MREC	2012-



Thukaram Reddy	Prof	Scenarios & Certification awareness Programmes	2013
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**18. Student projects**

percentage of students who have done in-house projects including inter-departmental

S. No	Academic Year	Programme	Percentage of students who have done in-house projects
1	2014-2015	B.Tech	92% (48)
2	2013-2014	B.Tech	-
3	2012-2013	B.Tech	-
4	2011-2012	B.Tech	85%(51)

Percentage of students doing projects in collaboration with industries / institutes

Sno	Academic Year	Programme	Percentage of students doing projects in collaboration with industries / institutes
1	2014-2015	B.Tech	8%(04)
2	2013-2014	B.Tech	-
3	2012-2013	B.Tech	-
4	2011-2012	B.Tech	15%(09)

**19. Awards / recognitions received at the national and international level by**

- o **Faculty** :NIL
- o **Doctoral / post doctoral fellows** :NIL
- o **Students**  
Extra Curricular:
  - a. Mr M. Arun pass out of 2008 batch had represented JNTU-H at the inter university level chess tournament held at VIT, Vellore and emerged victorious with silver medal and won several other prizes at

various chess tournaments held at state, National and International level.

- b. II Year IT Students Kesiraju Chinmai, Sai Srivasthva (13J41A1219), Vishal Cheruku( 13J41A1253) has presented a Short film named “Silpa Vilapam”at International Film Festival conducted by Global Hindu Heritage Foundation & SaveTemples.org during 22-08-14 to 24-08-14.
- c. Mr M. Arun pass out of 2008 batch won 2<sup>nd</sup> prize in the chess event at SPREE-12,the annual national sports festival of BITS PILANI.

**20. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.**

S.No	Name of the Seminar/Conference/ Workshop	Duration	Year	Eminent Scholar Participants
1	National Conference on “Emerging Trends in Science, Technology & Management	2 days	2014	34
2	A one day workshop on “IBM BLUEMIX”	1 day	2014	340
3	National Conference on “Information Security and Knowledge Engineering”	2 days	2013	90
4	Seminar on “IT Current Scenarios and Certification Awareness Programmes”	1 day	2013	47
5	A one day workshop on “Oracle DataBase Application Dvelopment”	1 day	2013	54
6	One day workshop on “Web Technologies”	1 day	2013	46
7	A three day workshop on “Rational Quality Manger & Rational Functional Tester”	3 days	2013	43

8	A Three day workshop on “Open source softwares (Linux Administration,Android, Drupal)”	3 days	2012	48
9	A Two Day Faculty Development Programme on Wireless Technologies	2 days	2012	52
10	A Two Day Faculty Development Programme on “Software Testing”	2 days	2012	34
11	A Two Day Faculty Development Programme on “Artificial Intelligence & Neural Netwroks”	2 days	2011	42
12	A Two Day Faculty Development Programme on “Information Security”	2 days	2010	36

**21. Student profile course-wise:**

Name of the Course (Refer Question no 2)	Applications Received under Category-B	Selected Under Category-A	Selected Under Category-B	Selected		Pass Percentage	
				Male	Female	Male	Female
B.Tech (2013-17)	36	42	18	38	22	NA	NA
B.Tech (2012-16)	40	42	18	37	23	NA	NA
B.Tech (2011-15)	38	42	18	34	26	NA	NA
B.Tech (2008-12)	48	42	18	36	24	83.33	100
B.Tech (2007-11)	41	42	18	45	15	48.88	80

Category –A – Convener, Category – B – Management

**22. Diversity of Students**

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
B.Tech (IT) UG (2011 – 2015)	0	87.71	12.28	NA
B.Tech (IT) UG (2012 – 2016)	0	77.05	22.95	NA
B.Tech (IT) UG (2013 – 2017)	0	88.34	11.66	NA

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

Name of the examination	No. of students qualified			
	2014-15	2013-14	2012-13	2011-12
GATE	-	-	-	01
CAT	-	-	-	-
GRE	6	-	-	05
IELTS	2	-	-	04
TOEFL	-	-	-	03
PGCET	-	-	-	04
Defense	-	-	-	-
Civil Service	-	-	-	-

**24. Student progression**

Student progression	2007-2011 Batch %	2008-2012 Batch %	2011-2015 Batch %
UG to PG	14	27	NA
PG to M.Phil	NA	NA	NA
PG to Ph.D	--	--	NA
Employed			
Campus selection	12	37	13.46
Other than campus recruitment	20	15	-

**25. Diversity of Staff**

Percentage of faculty who are graduates of the same parent university : 20%

From other universities within the State : 20%

From other universities from other States : 60%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.**

Nil

**27. Present details about infrastructural facilities**

a) Library

Books		Print journals		Online Journals		
Titles	Volumes	International	National	Publisher	URL	Back file access since
3960	34583	33	66	IEEE: 118	1)http: ieee explore. ieee.org,	2000 to till date

JGATE: 2939	2)J-Gate. J-egateplus.com3)ent
Delnet: 499	erprise.astm.org, 4)http:
ASTM: 08	//delnet.nic.in, 5)http://nlist.inflibnet.ac.in

b) Internet facilities for staff and students : Yes

Name of the Internet provider : Vainavi Pvt Limited

Available bandwidth : 80 mbps

Access speed : 80 mbps

Availability of Internet in an exclusive lab : YES, Computer Center

Availability in most computing lab : All computer labs

Availability in departments and other units : Apart from Wired Connectivity, WiFi Facility is also available in entire campus including all the departments.

Availability in faculty rooms : YES

Institute's own e-mail facility to faculty : YES

Email facility to students : YES

Security/privacy to e-mail/Internet users : YES

c) Total number of class rooms : 03

Total No. of Tutorials: 01

Seminar Hall: 01 (Shared with CSE Department)

E-Class Room: 01 (Shared with CSE Department)

S.No	Room No / Name	Area(Sq.m)
1	307/II IT	70.95

2	304/III IT	69.83
3	302/IV IT	70.76
4	306/Tutorial Room	34.83
5	406/Seminar Hall	133.88
6	402/E-Class Room	178.55

d) Class rooms with ICT facility  
All the class rooms are equipped with LCD Projector along with Internet Facility.

e) Students' laboratories  
Total no. of Laboratories: 10

S. NO	Item Name	Quantity	Description
1	SERVER	1	Mother Board : WIPRO netpiner 425 Processor CPU : Intel XENON CPU <a href="#">e5404@2.00GHz</a> RAM : 2 Gb Hard Disk : 160 Gb Monitor : lenevo 21" Mouse : lenevol USB/2 Key Board : lenevo Networking : DUAL INTERLEAVED 10/100/1000 ETHERNET Operating System: Windows Server 2003 sp-2, Tomcat 7 Web server JDK 1.6 XML Spy Oracle 10g

2	CLIENT	60	Mother Board : INTEL Processor : Intel Pentium CPU G630@2.70GHz RAM : 2 GB Hard Disk : 500 GB Monitor : Lenovo LS1922WA Mouse : Lenovo Optical USB/2 Key Board : Lenovo Operating System : Windows-XP-SP3, Fedora 14.2.0 Softwares Available : 1. Turob C++ 4.5 2. MS-Office 3. Adobe reader 4. Win Rar 5. Kaspersky End point8 6. Weka 3.6 7. Apache tomcat 7 8. Mysql 5.5
3	Lenevo External DVD drive	2	8XDVD Writer
5	Access UPS	2	10KVa(3 hours backup)
6	Exide Power Safe Batteries	32	42 Ah

f) Research laboratories: 01(Shared with CSE Department)

28. Number of students of the department getting financial assistance from College.:NIL

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology

Yes

- ❖ Based upon the suggestions from the Industry Experts.
- ❖ Based upon the suggestions from the Alumni.

- ❖ Based upon the no of applications we are receiving from parents/students for a particular program.
- ❖ Based upon the suggestions from the Academic Peers.
- ❖ Based upon the suggestions from the Board of Studies, Academic council and Governing body members.

**30. Does the department obtain feedback from**

- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?  
Yes
  - ❖ The department will take the feedback from all faculties regarding the curriculum in their respective subjects.
  - ❖ HOD along with the senior faculty will discuss the suggestions and same will be forwarded to BOS committee for necessary actions.
- students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?  
Yes
  - ❖ The department will take the feedback from the students regarding the staff, curriculum and Teaching-learning-evaluation for every subject.
  - ❖ HOD along with the senior faculty will discuss the feedback given by the students regarding curriculum, it will be discussed in departmental BOS subcommittee and forwarded to BOS committee for necessary actions.
  - ❖ HOD along with the senior faculty will evaluate the feedback given by the students regarding staff and Teaching-learning-evaluation, if any of the staff will get less feedback the HOD gives the necessary suggestions to improve them self.
- alumni and employers on the programmes and what is the response of the department to the same?  
Yes
  - ❖ The department will take the feedback from Alumni every year and the suggestions made by the Alumni regarding the improvement of department, HOD will discuss with Principal and Management for necessary actions.
  - ❖ The department will take the feedback from Employers and the suggestions made by them regarding placements are discussed with the Principal and placement coordinator for necessary action.

**31. List the distinguished alumni of the department (maximum 10)**

1. Mr M. Arun Kumar pass out of 2008 batch is an International Chess Player and has established his own chess academy named “King’s chess academy”.
2. Mr Pratik Soni pass out of 2008 batch working as Senior Analyst at HCL.
3. Mr Sumit Joshi pass out of 2008 batch working as Financial Consultant at Infosys.
4. Mr Pradeep Saklani pass out of 2008 batch working as Senior software engineer at Oracle.
5. Ms. Parimi Madhuri pass out of 2008 batch working as Test Engineering Analyst at Dell International Services.
6. Mr. P. Pranay Kumar pass out of 2007 batch working as Senior software engineer at Tech Mahindra.
7. Mr. Anand Sharma pass out of 2008 batch working as Software Engineer at Dell International Services.
8. Ms. Elizabeth Joseph pass out of 2008 batch working as Campaign Executive at MREC.
9. Mr. Oliver Daniel pass out of 2008 batch working as Software Engineer at CSC India.
10. Mr. K Rajbhusan pass out of 2008 batch working as Team Manager at Jubilant Life Sciences.

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

Sn o	Name of the Guest Lecture/Workshop	Date	Resource Person	No of Participants
1	Awareness of quality improvement program	03-12-14	Mr. T. Bharani, Black buck solutions, Hyd	46
2	Webinar on “Cloud Management”	01-08-14	Amit Kumar Gupta, Senior Developer, Microsoft,India Mr.Vikas Gupta, M.D.,Microsoft India	51
3	Webinar on “Information security”	24-7-14	Mr.Anjaneya Sastry, Assurance Manager, Wipro.	54

4	A one day workshop on "IBM BLUEMIX"	22-7-14	Mr. Satish Reddy, IBM	340
5	Guest Lecture on "Know How to think Out of the Box"	03-03-14	Mr.Arun Bhagavatula, Founder & CEO, Manhunt Consultants	46
6	Guest lecture on "Network Security"	2-4-14	Mr.Srinivas, Assoc Professor ,MRIT	52
7	Guest Lecture on "IT Current Scenarios and Certification Awareness Programmes"	19-10-13	Mr. A Chadra Kumar,Central Manager,CMC Limited,2 <sup>nd</sup> floor,Iswarya Complex,Hyderabad-500050	47
8	A one day workshop on "Oracle DataBase Application Development"	09-02-13	Venkat Oichela, Director-Technical,Uclid IT School,P.Muralidhar Reddy-CTO&Director,Uclid IT Services Private Limited.	54
9	One day workshop on "Web Technologies"	09-03-13	Venkat Oichela, Director-Technical,Uclid IT School,P.Muralidhar Reddy-CTO&Director,Uclid IT Services Private Limited.	46
10	A three day workshop on "Rational Quality Manger & Rational Functional Tester"	01-03-13 to 03-03-13	Mr. Manish Sharma, IBM	43
11	A Three day workshop on "Open source softwares (Linux Administration,Android,Drupal)"	07-09-12 to 09-09-12	e-Swecha Team (Mr.Shiva Mr.Prakash, Mr.Sashi, Mr.Bhuvan, Mr.Vinay)	48

Seminars:

Sno	Name of the Speaker	Topic	Date	No. of Participants
1	PoornaBoodhananda ( Rama Krishna Matt)	Motivation towards ethics and human values ( Yoga & Meditation)	05/09/2014	200
2	1.Madan mohan, DGM 2.Rohit kumar varakala, Technical Faculty	One day workshop on Entrepreneurship Orientation programme with NSIC(National small scale industries corporation), Hyderabad	22/07/2013	120
3	Anitha sakur(CEO)	skill development training programmes leading to self/wage employment	28/3/2012	100
4	Ramakrishna Sharma	Understanding ISO Certifications and features	13/2/2011	120
5	K.Ramnaiah DGM, CORPORATION BANK	How to get industrial loans from Banks	7/8/2010	150
6	M.D.Sinha, REGIONAL MANAGER,MSME	How to get license to establish small scale industry	10/12/2010	120

**33. List the teaching methods adopted by the faculty for different programmes**

- ❖ The students are provided with state of the art infrastructure, technology and equipment required to carry on the teaching process in a more synchronized manner

- ❖ The teaching methods adopted are well in consonance with the industry needs and are updated on a regular basis
- ❖ Regular Industrial visits in respective fields are provided to the students for practical exposure.
- ❖ Training for campus placement and aptitude, English labs for effective communication, seminars by in-house faculty and guest speakers etc are also arranged.
- ❖ The skills and knowledge of the teachers are upgraded regularly to make them well verse with the latest industry trends so that they can impart knowledge of latest trends and techniques to the students through Faculty development programmes.

Apart from these, some regular practices used by the faculties are:

- 1) Lecture with discussions
- 2) Lecture with a quiz
- 3) Tutorial
- 4) Innovative and relevant Lab-work
- 5) Organizing Workshops and Seminars
- 6) Presentations and Demonstration of Models
- 7) Group Discussion
- 8) Class Assignment
- 9) Project
- 10) Seminar Presentations by students
- 11) Inspiring the Students
- 12) Counseling of students
- 13) Remedial Classes
- 14) Industrial visit
- 15) E-learning through E-journal (IEEE, ELSEVIOR, SPRINGER etc.)

and NPTEL lectures available in our digital library

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

- Various Committee’s constituted at Department and college level to ensure whether the programme objectives are constantly met and learning outcomes monitored or not.
- Various tools and processes used in assessment of the achievement of the

programme outcomes. The process is based on direct and indirect assessments for the attainment of programme objectives are listed below:

Direct assessments: Measurement of student learning throughout a course using internal tests, university examinations, assignments, lab work, demonstrations, Tutorials, Presentations, project work and reports. These provide a sampling of what students know and/or can do and provide strong evidence of student learning.

Indirect assessments: Measurement of certain qualities of students learning, such as values, perceptions and attitudes, from a variety of perspectives and how this learning is valued by different constituencies. Indirect methods provide a valuable supplement to direct methods and are generally part of a good assessment program.

A meaningful assessment program would use both direct and indirect assessments from a variety of sources (students, alumni, faculty, employers etc). This use of multiple assessment methods provides converging evidence of student learning. The table below illustrates examples of Direct and Indirect assessments.

The direct and indirect assessment of the attainment of PEO's

Methods	Tools
Direct	Exams, Assignments, Projects, Tutorials, labs, Presentations, Project work
Indirect	Employer’s Survey ,Student feedback ,Alumni Survey, Exit Survey, Placement Record, Higher Education

**35. Highlight the participation of students and faculty in extension activities.**

Our staff and students are actively participated in the extension activities like NSS. The following are the contributions of both student and faculty towards social responsibility.

## Schedule of events taken up for the Academic Year 2013-14

S.No	Date	Particulars	Venue
1	15-08-2013	Independence Day	Malla Reddy Engineering College
2	23-11-2013	Blood Donation	Malla Reddy Engineering College
3	23,30 Nov; 7,14 Dec	Dental Check up Camp	Malla Reddy Engineering College
4	1-12-2013	Worlds Aids Day	Lalitha Kala Thoranam
5	26-01-2014	Republic day	Malla Reddy Engineering College
6	21-02-2014	Launch of National youth Policy and RGKA.	JNTUH, Hyderabad

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Faculty members are teaching advanced topics in various subjects to fill the gap between Industry and Educational Institutions.

S.No	Name of the Subject	Topics covered Beyond the Syllabus
1	Operating Systems	Real time operating system, Task scheduling Algorithms
2	Software Engineering	SDLC types, Software economies, Software life cycle, Software architecture ,All focus of software testing
3	Software Testing Methodologies	QTP, Win Runner and Load Runner basics
4	Computer Organization	Advance Parallel processing, Pipelining
5	Computer Networks	Key enhanced protocols, Authentication, MAC, Wireless Technologies

6	Information Security	Security for wireless technologies, web security fundamentals
7	Mobile Computing	Wireless sensor networks, hyper cube networks, flat routing protocol.
8	Design and Analysis of Algorithms	Design efficient algorithm for selecting and comparing the available design strategies.
9	DBMS	Query optimization, Query Evaluation, DB2 introduction, JDBC.
10	Web Technologies	Struts Frame work, JSF, Spring Frame work and Hibernate
11	Computer programming & Data Structures	Graphics related API, B+ Trees, 2-3-4 Tree

- ❖ Initiated QEEE Online classes for students, delivered by IIT Madras Professors on various subjects like Data Structures, OR, SpokenEnglish, Mathematics-I.
- ❖ Under finishing school concept Introduced IBM Training classes for III and IV year Students, where the experts from IBM will come over here to teach and provide hands on Experience on latest technologies like cloud, Mobility etc., and they guide the students in Mini/Major projects.
- ❖ Introduced Campus Recruitment Training (CRT) classes for students, where soft skills, Technical skills and logical thinking skills of the students will be improved which helps them placing in good companies.
- ❖ Every year a national level project expo under the name “VISHESH” is being coordinated and conducted by the students and the faculty of the department
- ❖ Every year a national level Technical Fest under the name “AKSHARA” is being coordinated and conducted by the students and the faculty of the department.



**37. State whether the programme/ department is accredited/ graded by other agencies. Give details.**

NIL

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

Strengths:

- ❖ Qualified, experienced and dedicated staff members.
- ❖ Good Campus Placement of the IT students.
- ❖ Excellent lab facilities with required software and hardware.
- ❖ Encouragement for self growth of the staff members.
- ❖ Transparent administration.

Weaknesses:

- ❖ All the staff members are staying outside the campus. So it is difficult for doing research in the evening.
- ❖ Faculty training in industry is needed to be up to date with the current technologies.
- ❖ Lack of consultancy work and funded projects.
- ❖ Industry Interaction needs improvement.
- ❖ Lack of communication skills and fluency of language in students who come from rural background.

Opportunities:

- ❖ To carryout research and developments activities.
- ❖ To simulate in students a habit of undergoing practical on-job/on-site project work.
- ❖ To provide academicians an environment for up gradation of knowledge and skills.
- ❖ To provide IT enabled services for the department.
- ❖ To provide an environment to students where in they can learn about latest trends in Information Technology.

Challenges:

- ❖ Need to update knowledge on par with the industry standards.
- ❖ Provide solutions to societal problems through innovative research and consultancy.
- ❖ To handle the high impact change taking place in the work environment.
- ❖ To promote research activities among students.

**39. Future plans of the department.**

- ❖ To make the students design a new improvement based on the experiments learnt.
- ❖ To increase the laboratory hours so that students will gain more exposure to practical aspects of the concepts they learn.
- ❖ To allow students to do in-house projects as continuation of 'future work' of projects done by the students of earlier batches.
- ❖ To organize International Conference – at least once in two years on recent trends in Information Technology.
- ❖ To increase research publications in journals/Conferences.
- ❖ Skill up gradation training/programs for Non-teaching staff at least once in a year.

**Evaluation Report by MBA Department**

- 1.Name of the Department & its year of establishment MBA 2007
2. Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.) PG: MBA
3. Interdisciplinary courses and departments involved: NO
4. Annual/ semester/choice based credit system: SEMESTER BASED
5. Participation of the department in the courses offered by other departments –  
 B.Tech (All Departments) : Managerial Economics and financial analysis  
 B.Tech (All Departments) : Management Science  
 MCA(I/I) : Accounting and financial management  
 MCA(I/II) : Organisational structures and Personal management
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professors	2	2
Associate Professors	4	4
Asst. Professors	14	14

7. 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
Dr. K.A. Lincoln	MBA, Ph.D	Professor	Marketing	16
Dr. D.V.Madhusudan Rao	MBA, Ph.D	Professor	HR & Marketing	15

Mr. D. Mohan Rao	MBA, (Ph.D)	Assoc Prof	Finance	13
Ms. Buela Prasanna Kumari	MBA, (Ph.D)	Assoc Prof	HR & Marketing	9
Ms. G. Venela	MBA, (Ph.D)	Assoc Prof	Finance	8
Ms. A. Latha	MBA, (Ph.D)	Assoc.Prof	Finance	7
Ms V.V.L. Sameera	MBA	Asst Prof	Finance &Marketing	6
Mr. Dodda Devadasu	MBA	Asst Prof	Finance	5
Ms. B Swathi	MBA	Asst Prof	Finance &Marketing	5
Mr. Balanji Reddy Mora	MBA, LL.B, (Ph.D)	Asst Prof	Finance &Marketing	6
V. Venukumar	MBA	Asst Prof	HR & Marketing	5
P. Rajitha	MBA	Asst Prof	HR & Marketing	5
Mr. T.V. Arun Kumar	MBA	Asst Prof	Finance	1
Mr. Moinuddin MD	MBA	Asst Prof	Finance & HR	3
Mr. J. Suresh	MBA	Asst Prof	HR & Marketing	3
M. Vinod Kumar Reddy	MBA	Asst Prof	Finance & Marketing	4
Mr. Purna chander Rao	MBA	Asst Prof	Finance & Marketing	4
Mr. Vijayender	MBA	Asst Prof	HR & Marketing	3
Mr. P. Ramesh	MBA	Asst Prof	HR & Marketing	5
Mr. S. Srinivasa rao	MBA	Asst Prof	HR & Marketing	1

8. Percentage of classes taken by temporary faculty – programme-wise information NA
9. Programme-wise Student Teacher Ratio 1:15

- 10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled : 4:2::4:1**
- 11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. NIL**
- 12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received NIL**
- 13. **Research facility / centre with NIL**  
state recognition  
national recognition  
international recognition

**14. Publications:**

\* Number of papers published in peer reviewed journals (national /international) YES

Sl No	Name of the Faculty	Title of the Paper	Journal/Conference Name	Vol No.	Issue No.	Month & year of Publication/ Presentation
1	G.V.Venela	Women: A Study on SHGs in R.R.Dist Empowerment through Microfinance	Two Day National Seminar on Modern Management Practices (Sponsored by ICSSR), Govt. of India			28-29th January, 2013
2	A.Latha	Women: A Study on SHGs in R.R.Dist Empowerment through Microfinance	Two Day National Seminar on Modern Management Practices (Sponsored by ICSSR), Govt. of India			28-29th January, 2013
3	G.V.Venela	A Study on Women Entrepreneur, R.R.Dist., A.P,India	International Seminar on " Global Crisis Management - Challenges & Opportunities			1st-2nd February, 2013
4	A.Latha	A Study on Women Entrepreneur, R.R.Dist., A.P,India	International Seminar on " Global Crisis Management - Challenges &			1st-2nd February, 2013

			Opportunities			
5	A.Latha	Financial Inclusion	Emerging trends in commercial banking in india			
6	G.V.Venela	Business Process Re-Engineering	An International Seminar on Business Excellence			
7	V.Venu Kumar	Managing customer relationship through mobile CRM in organised retail outlet	National Conference on Retailing in India			8/1/2013
	G.V.Venela	"Economic Empowerment of Women from Rural Self Help Groups"	International Journal on strategies for business excellence			
	VVL.Same era	A Study on Motivational Factors for select Investor Categories to invest and to study their Impact on BSE SENSEX and NIFTY-50.	National conference on management and social sciences ITS impact on sustainable development.			25,26 OCTOBER 2013

LIST OF TECHNICAL PUBLICATIONS/PRESENTATION

- a. Monographs **NIL**
  - b. Chapter(s) in Books **NIL**
  - c. Editing Books **NIL**
  - d. Books with ISBN numbers with details of publishers **NIL**
  - e. Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) **NIL**
  - f. Citation Index – range / average **NIL**
  - g. SNIP **NIL**
  - h. SJR **NIL**
  - i. Impact factor – range / average **NIL**
  - j. h-index **NIL**
15. **Details of patents and income generated** **NIL**

16. Areas of consultancy and income generated **NIL**

**17. Faculty recharging strategies**

Arranging Seminars, Faculty Development Programmes, Workshops  
Compulsory training / orientation programmes are conducted to hone the teaching skills of newly appointed lecturers.  
Code of conduct has been introduced to inculcate social responsibilities in teachers.

**18. Student projects**

- o percentage of students who have done in-house projects including inter-departmental **NIL**
- o percentage of students doing projects in collaboration with industries / institutes **80%**.

**19. Awards / recognitions received at the national and international level by**

- o Faculty **NIL**
- o Doctoral / post doctoral fellows **NIL**
- o Students **NIL**

SEMINARS			
S.No	Date	Particulars	Venue
1	Feb -11	Impact of RBI Monetary Policy on loan	St.Peters College
2	23,24,Dec 2011	Vikrant-2k11	CMRIT
3	19-Oct-11	Paradigm Shift in Health Care Sector Role of stake holders	University of Hyderabad
4	20-Dec-12	Estarto	Hitam

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

1. Seminar on Opportunities & Banking
2. A Two Day National Seminar On Converting Crisis in to Opportunities
3. Business Logic Test
4. National Conference for Emerging Trends in Science Technology and Management

**21. Student profile course-wise:**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MBA	ICET	95	31	76%	24%

**22. Diversity of Students**

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of Students from other States	% of students from other countries
MBA	126	70%	30%	NIL

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

Name of the Student	% of students from the college
RAMA KANTH	5%
RANJU RATHORE	5%
VISHNU KANTH	5%

**24. Student progression**

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil	None
PG to Ph.D	Deepika singh
Ph.D. to Post-Doctoral	None
<b>Employed</b>	
Campus selection	5%
Other than campus recruitment	50%
Entrepreneurs	5%

**25. Diversity of staff**

**Percentage of faculty who are graduates**  
of the same parent university : 15%  
from other universities within the State : 30%  
from other universities from other States : 55%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. 6%**

**27. Present details about infrastructural facilities**

1 Library 80  
2 Internet facilities for staff and students Available (wi-fi enabled)  
3 Total number of class rooms 7  
4 Class rooms with ICT facility 3  
5 Students' laboratories 2  
6 Research laboratories NIL

**28. Number of students of the department getting financial assistance from College. NIL**

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NA**

**30. Does the department obtain feedback from**

1 Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? YES,

2 **Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?** YES, Faculty who ever got less feedback is being replaced by new faculty. The faculty members have addressed student centric issues based on feedback received.

3 **alumni and employers on the programmes and what is the response of the department to the same?** College conduct alumni meet every year and interacts with them to get new opportunities for existing students.

**31. List the distinguished alumni of the department (maximum 10)**

1. Rahul
2. Nikitha
3. M.Ashwini
4. Geethesh
5. Amar
6. Neashini
7. P.Devika
8. Deepika

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

List of Invited Lectures organized by the department during the last five years

S No	Date	Name of topic	Name of speaker
1	2012-13	Business Logic Test	Subhakar, Ph.D
2	2012-13	A Guest Lecture On Marketing	Mr. Kishore, Associate Professor, VJIM, Hyd.
3	2012-13	A guest lecture on banking & opportunities	Mr.C.S.Vepa, Director of NSB
4	2013-14	A guest lecture on career planning & development	Mr.Rahul, smart steps ,Hyd.
5	2014-15	A guest lecture on SPSS	Dr.K.Sasi kumar, SSIM, Hyd

**33. List the teaching methods adopted by the faculty for different programmes.**

1. Power point presentations
2. Case study method
3. Assignments
4. Slip tests

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Monitoring ,Evaluation & Feedback

**35. Highlight the participation of students and faculty in extension activities.**

23/2/2013	Medical Camp Program	MREC
6/26/2013	Drug Abuse and illicit Trafficking	Ramakrishnamatam, Domalaguda, hyd
23-Nov-13	Blood Donation	MREC
23,30 Nov; 7,14 Dec	Dental Check up Camp	MREC
12-Jan-13	Worlds Aids Day	Lalitha Kala Thoranam
21-Feb-14	Launch of RGKA	JNTUH, Hyderabad
4-Mar-14	Blood Donation	MREC
22-24 July,14	Medical Camp Program	Gundlapochampally Primary School
15-Aug-14	Independence Day & Tree Plantation	MREC
6-Sep-14	Mega Blood Donation Drive	MREC
23-Sep-14	Environment Fest & NSS Day Celebrations	JNTUH, Hyderabad
20-October, 14	Hudhud Relief Fund	MREC
22-October, 14	Blood donation camp	MREC

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Assignments, Conducting business quiz and motivating students to participate in workshops and paper presentation.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details**

NAAC with ‘A’ grade, JNTU & UGC autonomous

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department****Strengths:**

1. There are 3 faculty qualified in UGC-NET & APSET
- 2.2 PhD & 5 in pursuing PhD faculty
3. Faculty with industrial experiences
4. Most of the faculty ratified by JNTU
5. Research based learning environment with team spirit

**Weaknesses**

1. Limited digital class rooms
2. Lack of individual systems for faculty

**Opportunities**

1. Freedom and flexibility in designing curriculum & syllabus
2. Faculty are encouraged to do research and to pursue additional qualification
3. Management gives on duty to attend seminars & conferences
4. Wifi facility

**Challenges**

1. Decline in admissions
2. Need to provide practical knowledge

**39. Future plans of the department.**

1. Introduce certification course program relating to stock markets
2. Conducting summer classes relating to banking industry
3. To conduct international conference
4. To start management journal

**Evaluative Report by MCA Departments**

- Name of the Department & its year of establishment :** MCA 2004
- Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.) PG: MCA**
- Interdisciplinary courses and departments involved** NO
- Annual/ semester/choice based credit system** SEMESTER BASED CREDIT SYSTEM
- Participation of the department in the courses offered by other departments –(SDA LAB)**

S.No	Name of the Subject	Services to the other Departments	Year and Sem.	Credits
1	SDA LAB	MBA Department	I Year I Sem.	3

- Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professors	1	NIL
Associate Professors	2	2
Asst. Professors	5	6

- 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
M.Nilesh kumar Taunk	M.C.A	Assoc. Prof. & Head		13	NIL
B.S.D. Mohapatra	M.Tech.,(PhD)	Assoc. Prof		15	NIL
S. Subhasini		Asst.pr		7	NIL

	M.C.A., M.Tech	of			
T.Kishore Babu	M.C.A	Asst.Pr of		10	NIL
Dharavath Linga	M.C.A., M.Tech	Asst. Prof		9	NIL
A.Sarala Devi	M.C.A., M.Tech	Asst. Prof		15	NIL
T.Veerendranath	M.C.A	Asst.Pr of		7	NIL
Aparna Paul	MCA., M.Phil	Asst.Pr of		9	NIL

- Percentage of classes taken by temporary faculty – programme-wise information** NIL

**9. Programme-wise Student Teacher Ratio**

Programme/Course	Total Faculty Members	Students	Faculty: Student
MCA	8	94	1:15

- Number of academic support staff (technical) and administrative staff: sanctioned and filled :** 4:2::4:1
- Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.** NIL
- Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received** NIL
- Research facility / centre with RD exists seeking state university recognition**
  - λ state recognition
  - λ national recognition
  - λ international recognition
- Publications:**
  - \* number of papers published in peer reviewed journals (national / international) YES

LIST OF TECHNICAL PUBLICATIONS/PRESENTATIONS

Sl No	Month & year of Publication/ Presentation	Name of the Faculty	Title of the Paper	Journal/Conference Name	V o l u m e	Iss u e N o.
1	January, 2011	B.S.D. Mohaptra	Image Classification based on Spatial Knowledge Discovery	Proceeding of International Conference on Systemics, Cybernatics and Informatics. January 5 – 8, 2011, Pentagram Research Centre	2	8
2	January, 2012	B.S.D. Mohaptra	Spatial Clustering for Remote Sensing Image Analysis using Self-Organizing Neural Networks	Proceeding of International Conference on Futuristic trends in Computer Science Engineering & Information Technology – ICCT2012, Thiruvalluvar College of Engineering & Technology. (ISBN:978-81-907157-5-5)	-	-
3.	February, 2012	B.S.D. Mohaptra	Two-Phase SOM-based Clustering for Time-Sequential Satellite Image Analysis	Proceeding of International Conference on Systemics, Cybernatics and Informatics. February, 15 – 18, 2012, Pentagram Research Centre	1	9
4	February, 2012	S. Subhashini	Graph-based Knowledge Discovery and Association Rule Mining for Biological Imaging	Proceeding of International Conference on Systemics, Cybernatics and Informatics. February, 15 – 18, 2012, Pentagram Research Centre		
5	February, 2012	B.S.D. Mohaptra	Mining Apriori Association Rules using Genetic Algorithm	Proceeding of National Conference on Rough Set Theory & Artificial Intelligence - NCRSTAI 2012 (sponsored by UGC), February 26-27, 2012, Seemanta Mahavidyalaya	-	-

6	March, 2012	B.S.D. Mohaptra	Micro clustering – an effective density-based clustering method for clustering evolving data streams	Proceeding of International Conference on Computing, Communications, Systems & Aeronautics - ICCCSA 2012, March 30-31, 2012, Malla Reddy College of Engineering & Technology. (ISBN:978-81-921580-8-2)	-	1
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- k. Monographs NIL
  - l. Chapter(s) in Books NIL
  - m. Editing Books NIL
  - n. Books with ISBN numbers with details of publishers NIL
  - o. number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) NIL
  - p. Citation Index – range / average NIL
  - q. SNIP NIL
  - r. SJR NIL
  - s. Impact factor – range / average NIL
  - t. h-index NIL
15. Details of patents and income generated NIL
16. Areas of consultancy and income generated NIL

**17. Faculty recharging strategies**  
 Arranging Seminars, Faculty Development Programmes, Workshops  
 Compulsory training / orientation programmes are conducted to hone the teaching skills of newly appointed lecturers.



SEMINARS			
S.No.	Date	Particulars	Venue
1	15th Nov' 14	M-Bhavishya-2K14 : Exploring Future Tech Tejwani Nisha Trilokchand of MCA III Yr stood Ist in Paper Presentation	Loyola PG College (Aut.)
2	15th Nov' 14	M-Bhavishya-2K14 : Exploring Future Tech V Naveen Kumar of MCA III Yr stood Ist in Database contest	Loyola PG College (Aut.)
3	15th Nov' 14	M-Bhavishya-2K14 : Exploring Future Tech Anuj Kumar Singh & Arif Ansari of MCA III Yr stood Ist in	Loyola PG College (Aut.)
4	15th Nov' 14	M-Bhavishya-2K14 : Exploring Future Tech Chukkapalli Sai Kumar of MCA II Yr stood Ist in Database Contest	Loyola PG College (Aut.)
5	3rd August'13	Spradha-2K13 : State Level Students Symposium Anuj Kumar Singh & Deepak Kumar of MCA I Yr stood I in C-Quiz	MRIT
6	27th July '13	Medha-2013 : State Level Technical Symposium Anuj Kumar Singh & Deepak Kumar of MCA I Yr stood I in C-Quiz	MRECW
7	22nd & 23rd March '13	Akshra 2K13: National Level Technical Fest Goldi Lakhmani stood I in Java GENIUS & C - Quiz	MREC
8	2nd Feb' 13	14 Students took part in a Seminar on International Student Leadership	JNTUH
9	Nov' 12	Technotonic '12: National Level Technical Contest Goldi Lakhmani Secured 1st in Coding	Loyola PG College (Aut.)

Code of conduct has been introduced to inculcate social responsibilities in teachers.

**18. Student projects**

- o percentage of students who have done in-house projects including inter-departmental
- o percentage of students doing projects in collaboration with industries / institutes

- 19. Awards / recognitions received at the national and international level by**
- o Faculty NIL
  - o Doctoral / post doctoral fellows NIL
  - o Student

**20. Seminars/ Conferences/Workshops organized and the source of funding (national**

- i. international) with details of outstanding participants, if any.  
National Conference for Emerging Trends in Science Technology and Management Conferences

Sl. No	Name of the Conference	Duration		Resource person	No. of participants attended
		From	To		
1	NCETSTM2K14 National Conference	8-08-2014	9-08-2014	Dr.Premchand,Prof ,UCE,OU,Hyderabad	34
2	MRNC- ISKE 2013 National Conference	19-7-2013	20-7-2013	Dr.A.Govardhan Professor, JNTUH	90

**21. Student profile course-wise:**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MCA 2010-11	ICET	40	20	66%	34%
MCA 2011-12	ICET	50	10	83%	17%
MCA 2012-13	ICET	43	17	71%	29%
MCA 2012-14	ICET	28	6	82%	18%

**22. Diversity of Students**

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of Students from other States	% of students from other countries
MCA	100	93%	7%	NIL
MCA	100	76%	24%	NIL
MCA	100	82%	18%	NIL
MCA	100	88%	12%	NIL

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

Name of the Student	% of students from the college
Kunal Anand	Asst. Station Master, RRC
P. Srikanth	Head Constable, CISF

**24. Student progression**

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil	None
PG to Ph.D.	None
Ph.D. to Post-Doctoral	None

**Employed**

- Campus selection 3
- Other than campus recruitment 70

**Entrepreneurs**

**25. Diversity of staff**

Percentage of faculty who are graduates of the same parent university

12% JNTUH (PG)

from other universities within the State 63%

from other universities from other States 25%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Nil**

**27. Present details about infrastructural facilities**

a. Library : Yes

Item	MCA
No of Titles	509
No of Volumes	4767
Print Journals	12
e-Journals	439

b. Internet facilities for staff and students YES

Name of the Internet provider : Sytel

Available bandwidth : 80 mbps

Access speed : 80 mbps

Availability of Internet in an exclusive lab : YES, Computer Center

Availability in most computing labs : All computer labs

Availability in departments and other units YES

Apart from Wired Connectivity, WiFi Facility is also available in entire campus including all the departments

Availability in faculty rooms : YES

Institute's own e-mail facility to faculty : YES

Email facility to students : YES

Security/privacy to e-mail/Internet users : YES

c. Total number of class rooms 2(Including tutorials)

d. Class rooms with ICT facility 2

- e. Students' laboratories 4
- f. Research laboratories 01

28. **Number of students of the department getting financial assistance from College- Nil**

29. **Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NA**

30. **Does the department obtain feedback from**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? YES
- b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?  
 Academics: Faculty members are appraised about their short falls in their teaching methodology and update with the latest methodologies(ict). The faculty members have addressed student centric issues based on feedback received.
- c. alumni and employers on the programmes and what is the response of the department to the same?

31. **List the distinguished alumni of the department (maximum 10)**

REG.NO	Name of the Student	Designation	Company
10J41F0001	A S RAJA REDDY	Software Engineer	FIS, Chennai
10J41F0008	DEEPIKA	Software Engineer	Triniti Advanced Software Labs, Hyd
10J41F0058	VENNAPUSA BHARGAVI	Software Trainee	Syntel , Bengaluru
10J41F0022	K PRASHANTH REDDY	Trainee-Implementation Engineer	Magnaquest, Hyderabad
10J41F0035	NAINALA ASHOK KUMAR	Trainee-Implementation Engineer	Magnaquest, Hyderabad
10J41F0036	NARELE PRATEEK ARUN	Process Trainee	Birlasoft India Ltd, Hyderabad
10J41F0043	PURNA PRASAD ARIGE	.Net Developer	Magnaquest, hyd

10J41F0046	RAMKUMAR VANNAPPAGARI	Java Trainee	CLINAPPS, Hyderabad.
10J41F0047	RISHI RAJ SINGH SHEKHAWAT	Business Development & Operations Manager	Aatral Technologies India Pvt., Ltd
11J41F0013	DILIP KUMAR V	Software Engineer	Process Ware Systems, Bangalore
11J41F0023	LAKHMANI GOLDI SHAMBHU	Software Engineer	Prime Soft Solutions, Hyderabad

32. **Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

S No	Date	Name of topic	Name of speaker
1	24-04-2014	SQL	Jaya Nemani, Bilwa Technology Solutions Authorized Oracle Corporation
2	26-10-2013	Java and Android Applications	Mr. Sunil Kumar Metta
3	15-11-2012	Emerging Trends in IT	Mr. Pratap N Chilukuri

33. **List the teaching methods adopted by the faculty for different programmes.**

- ICT Tools
- Subject based assignment project, case studies
- Nptel videos
- Conducting seminars

34. **How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

35. **Highlight the participation of students and faculty in extension activities.**

36. **Give details of “beyond syllabus scholarly activities” of the department.**

Nptel Videos, Assignments, Conducting Seminars and motivating students to participate in workshops and paper presentation in National and International level Competition.

37. **State whether the programme/ department is accredited/ graded by other agencies. Give details.** NO

38. **Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**STRENGTHS:**

- ❖ Enhancing the skills of Faculty and Staff through Academic and Research
- ❖ Admission Policy:-Admissions to PG regular courses based on merit at eligible qualifications through Common Entrance Test
- ❖ Upgraded the Library facilities in terms of net connectivity, purchase of computers, books, journals, magazines, and access to knowledge databases and e-journals.
- ❖ Well-equipped laboratories with sophisticated equipment

**WEAKNESSES:**

- ❖ Designing of Modular based curriculum for customized market / industrial needs.
- ❖ Absence of formal mechanisms for Academic counseling for building career path.
- ❖ Utilization of expertise of superannuated faculty.
- ❖ Sabbatical leave benefits extended to teachers.
- ❖ Incisiveness towards global standards of Higher Education among teaching staff.

**CHALLENGES:**

- ❖ Global competition
- ❖ Depletion of trained and senior manpower
- ❖ It is our endeavor to convert the weaknesses into strengths and threats into opportunities to the advantage of students, scholars, faculty, and the other recipients of knowledge

**Opportunities:**

- ❖ Students can be attracted towards PG programs by providing assistantships and reorienting the programs based on market demand. Thereby the employability of the students can be increased.

**Opportunities:**

- ❖ Vast campus with ample scope for expansion.
- ❖ Expanding research base through various programmes of UGC and other agencies.
- ❖ Vibrant academic environment promoting further research.

39. **Future plans of the department.**

As the demand for this course is decreased over the years, the intake had been reduced to Zero, w.e.f. Academic Year 2014-15.

**Post –accreditation Initiatives**

The college has initiated the following steps towards improving curriculum, evaluation, placement and training and constitution of statutory academic bodies after getting accreditation by NAAC in March 2010.

- ❖ Permanent affiliation by JNTUH, Hyderabad from the year 2010.
- ❖ Autonomy was granted on trial basis by the affiliating university in June 2011 from the academic year 2011-12. After getting autonomy the statutory bodies like Board of Studies and Academic Council were constituted as per UGC norms. University has permitted only a change of 20% of the syllabus in each subject.
- ❖ Non-statutory bodies like IQAC, Finance committee, Women welfare committee, anti-ragging committee, academic audit committee, examination and evaluation committee and R&D committee were formed to help in smooth functioning and progress of the college.
- ❖ A financial aid to the tune of Rs 4 crores was granted by the World Bank under TEQIP-II in the year 2011 to be completed by 2016 because of accreditation by NAAC ‘A’ grade with a score of 3.01 and autonomy by the affiliating university.
- ❖ The demand for admission in different branches of UG and PG programmes increased from 2011 onwards because of college gaining importance on account of good performance in curricular and co-curricular activities. The details are given below.

Year	Details of Specilisation and Intake
2011-12	1.Started of one PG Programme namely M.Tech Computer Science and Engineering with 18 intake. 2.Started one UG Programmes namely Information Technology with 60 intake.
2012-13	1.Started of four new PG Programmes namely M.Tech Transportation Engineering with 24 intake, VLSI system design with 24 intake, Computer Science & Engineering (Shift II) with 24 intake, Computer Science with 24 intake 2.Increased Intake of students from 120 to 240 in B.Tech Computer Science and Engineering 3.Increased Intake of students from 120 to 180 in Masters in Business Administration

2013-14	1.Started four new PG Programmes namely M.Tech Geo Technical Engineering with 24 intake, Power Electronics & Electrical Drives with 24 intake, Advance Manufacturing System with 24 intake, Embedded Systems with 24 intake. 2.Increased Intake of students from 120 to 180 in B.Tech Mechanical Engineering and Electronics & Communication Engineering. 3.Started of a new UG Programme namely Mining Engineering with an intake of 60 students
2014-15	1.Started of two new PG Programmes namely M.Tech Machine Design with 24 intake, Electrical Power Systems with 24 intake. 2.Increased Intake of students from 180 to 240 in B.Tech Mechanical Engineering 3.Increased Intake of students from 120 to 180 in B.Tech Civil Engineering 4. Closer of 3 Programmes namely M.Tech Digital System & Computer electronics(Shift II),MCA and B.Tech Information Technology 5.Reduction in intake of students namely M.Tech Computer Science from 24 to 18, MBA from 180 to 120.

- ❖ Grant of 2(f) and 12 (B) under UGC act 1956 in the year 2013-14.
- ❖ Departments are geared up to carry research activity in thrust areas.
- ❖ Submission of NBA application for re-accreditation in the year 2011 for core engineering branches in UG.

- ❖ Nine minor research projects were granted by UGC worth of Rs 20.65 Lakh which are listed below.

In Rupees

S.No	Dept.	Name of the Principal Investigator	Title of the project	Grant in Lakh
1	CE	Dr. P Raja Sekhar	Environmental impact on soil and water quality with special reference to pharma industry using remote sensing and geographical investigation system	2.4
2	CE	Dr. P Sarita	Degradation of some of the "U.S.E.P.A" listed recalcitrant's using nano size semiconductors	2.5
3	EEE	Mr. P Sankar Babu	Single phase Bi-directional PWM converter for Micro-Grid systems	2.6
4	EEE	Mrs. M.Lakshmi Swarupa	Load flow contingency analysis state estimation and optimal operation	1.805
5	ME	Mr. V Narshima Reddy	Hybrid power transmission through fluid couplings	2.6
6	ECE	Dr. M J C Prasad	Image & Gesture based single user transportation system	0.97
7	Chemistry	Dr. S Kondaiah	Synthesis characterization of Cu,Co, and Au Moxifloxacin nano metal complexes by eco-friendly method and their biological application	3.1
8	Chemistry	Dr. A Madhusudhan	Green synthesis of gold nano particles used in tumor targeted drug delivery	2.59
9	Physics	Dr. TGV Mallikharjuna Rao	Tunable white light luminescence properties of RE ions doped MnAl <sub>2</sub> O <sub>4</sub> hybrid nano particles	1.5
		TOTAL		20.65

- ❖ The college got UGC autonomy from the academic year 2014-15 for 6 academic year i.e. up to 2019-20.
- ❖ After obtaining UGC autonomy, the statutory bodies like Board of studies and academic council have become very important as they are authorized in formulation and implementation of novel curriculum and academic regulations.
- ❖ All first year engineering programmes are brought into semester system. Earlier, first year programme was yearly system.
- ❖ The college got re-accreditation for UG programme in 3 branches and accreditation for UG programmes in 2 branches of engineering for a period of 2 years from July 2014 up to July 2016. The accredited branches are:
  1. Electrical and Electronics Engineering-120 students.
  2. Mechanical Engineering-240 students
  3. Electronics and Communications Engineering-180 students
  4. Civil Engineering-180 students.
  5. Computer Science and Engineering-240 students
- All the 1020 seats available in I B.Tech are filled up. This is an indication that the large number of seats offered by the college are in high demand.

Details of seats and branches offered in UG programme are as follows

S.No	Name of the Branch	No. of seats
1.	Civil Engineering	180
2.	Electrical and Electronics Engineering	120
3.	Mechanical Engineering	240
4.	Electronics and Communication Engineering	180
5.	Computer Science and Engineering	240
6.	Mining Engineering	60
	Total	1020

- The State government has permitted for an increase of tuition fees from Rs 35000/- per annum to Rs. 56,100/- per annum from the academic year 2013-14 for B.Tech students due to good academic performance and infrastructure. This helps in further consolidation of infrastructure and academic programmes in the Institution.
- The Institution has applied for NBA accreditation for the following PG programmes during the academic year 2014-15.

S.No	Department	Specilization
1.	Civil Engineering	Structural Engineering
2.	Electrical and Electronics Engineering	Control Systems.
3.	Mechanical Engineering	Thermal Engineering
4.	Electronics and Communications Engineering	Digital Systems and Computer Electronics

### Declaration by Head of the Institution

I certify that the data included in the Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the institution

With seal:

Place:

Date:

**Enclosures**

**Enclosure: I**

**Certificate of Compliance**

(Autonomous Colleges and Recognized Institutions)

This is to certify that **Malla Reddy Engineering College (Autonomous)** fulfils all norms

1. Stipulated by the affiliating University and
2. Regulatory Council/Body [such as UGC and AICTE] and
3. The affiliation and recognition is valid as on date.

Regular affiliation/recognition of AICTE and affiliating university (JNTUH, Hyderabad) are available and copies are enclosed vide enclosure no. H-III and H-IV respectively.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

**Date:**  
**Place:**

**Principal**  
(Dr. S.Sudhakara Reddy)  
Signature:



## Enclosure: II

## Certificate of recognition u/s 2(f) and 12 (B) of the UGC Act 1956

विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHAUDURSHAH ZAFAR MARG  
NEW DELHI-110 002

Ph: 23236351, 23232704, 23237721  
23234166, 23233793, 23232117  
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)  
UGC Website: www.ugc.ac.in  
F. No. 8-210/2012 (CPP-IC)

ज्ञान-विज्ञान विमुक्तये  
SPEED POST

January, 2013

28 JAN 2013

The Registrar,  
J.N.T. University Hyderabad  
Kukatpally, Hyderabad – 500 005  
Andhra Pradesh

**Sub:** Recognition of College under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter no. MREC/UGCsection2(f)&12(B)/Recognition/2012/03 dated 15-11-2012 received from the Principal, Malla Reddy Engineering College, Maisammaguda, Dhulapally (Post via Hakimpet), Secunderabad – 500 014, Andhra Pradesh on the above subject and to say that it is noted that the following college is **un-aided/self financed** and **permanently** affiliated to **J.N.T. University Hyderabad**. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head **Non-Government, self financed** Colleges teaching upto **Master's Degree** to make it eligible to receive Central assistance from sources other than UGC:-

Name of the College	Year of Establishment	Remarks
Malla Reddy Engineering College, Maisammaguda, Dhulapally (Post via Hakimpet), Secunderabad – 500 014, Andhra Pradesh.	2002	As the College is charging fee as per University norms and a certificate in this regard has been received in UGC. The College would also be eligible to get grant for all UGC schemes related to teachers and students only as per the decision of the Commission dated 8 <sup>th</sup> July 2011.

The Indemnity Bond and the other supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,  
  
(Raksha Pahwa)  
Under Secretary

Copy to:-

- The Principal, Malla Reddy Engineering College, Maisammaguda, Dhulapally (Post via Hakimpet), Secunderabad – 500 014, Andhra Pradesh.
- The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi - 110 001.
- The Secretary (Higher Education), Government of Andhra Pradesh, Secretariat Building, J-Block, 4<sup>th</sup> Floor, Hyderabad – 500 022, (Andhra Pradesh).
- The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Andhra Pradesh).
- Publication Officer (UGC-Website), New Delhi.
- Section Officer (FD-III Section), UGC, New Delhi.
- Guard file.

Principal  
MALLA REDDY ENGINEERING COLLEGE  
Maisammaguda, Dhulapally  
Post Via Hakimpet Sec'bad-500 014

(Sunita Gulati)  
Section Officer

## Enclosure: III

## Extension of Approval from AICTE for the academic year 2014-15

All India Council for Technical Education  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. South-Central-1-2019701936/2014/EOA Date: 04-Jun-2014

To:  
The Principal Secretary  
(Higher Education) Govt. of Andhra Pradesh,  
J Block, 4th Floor, Secretariat Building,  
Hyderabad-500022

Sub: Extension of approval for the academic year 2014-15

Ref: Application of the Institution for Extension of approval for the academic year 2014-15

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/05/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

Regional Office	South-Central	Applicant Id	13018791936
		Promoter Id	13023888
Name of the Institute	MALLA REDDY ENGINEERING COLLEGE	Institute Address	MAISAMMAGUDA, GUNELAPOO, DAMRALLY (VILLAGE), MEDICAL (MANDAL), RANGA REDDY (DIST) (SECUNDERABAD) - 500 014, SECUNDERABAD, RANGAREDDI, Andhra Pradesh, 500014
Name of the Society/Trust	G M R EDUCATIONAL SOCIETY	Society/Trust Address	SURVEY NO.55, JAYANAGAR COLONY, NEW BOWENPALLY, SECUNDERABAD - 500 011, SECUNDERABAD, RANGAREDDI, Andhra Pradesh, 500011
Institute Type	Unaided - Private		

Open for change from Women to Co-ed	No	Open for change of name	No	Open for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intakes indicated below for the academic year 2014-15

Application Number: 1-2019701936 Page 1 of 8

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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application ID: 1-2019701936			Course	Affiliating Body	Instit. 2013-14	Instit. Approved for 14-15	10th Approval Status	P/O Approval Status	Energy Conservation Approval Status
Program	Shift	Level							
ENGINEERING AND TECHNOLOGY	1st SHR	POST GRADUATE	COMPUTER SCIENCE	Jawaharlat Nehru Technological University, Kukatpally	24	24	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	Jawaharlat Nehru Technological University, Kukatpally	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	POST GRADUATE	CONTROL ENGINEERING	Jawaharlat Nehru Technological University, Kukatpally	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	POST GRADUATE	CONTROL SYSTEMS	Jawaharlat Nehru Technological University, Kukatpally	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	POST GRADUATE	DIGITAL SYSTEMS AND COMPUTER ELECTRONICS	Jawaharlat Nehru Technological University, Kukatpally	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	POST GRADUATE	ELECTRICAL POWER SYSTEMS	Jawaharlat Nehru Technological University, Hyderabad	8	24	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	POST GRADUATE	EMBEDDED SYSTEMS	Jawaharlat Nehru Technological University, Kukatpally	24	24	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	POST GRADUATE	GEOTECHNICAL ENGINEERING	Jawaharlat Nehru Technological University, Kukatpally	24	24	NA	NA	N

Application Number: 1-2019701936\*

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Application ID: 1-2019701936			Course	Affiliating Body	Instit. 2013-14	Instit. Approved for 14-15	10th Approval Status	P/O Approval Status	Energy Conservation Approval Status
Program	Shift	Level							
ENGINEERING AND TECHNOLOGY	1st SHR	POST GRADUATE	MACHINE DESIGN	Jawaharlat Nehru Technological University, Hyderabad	8	24	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	POST GRADUATE	STRUCTURAL ENGINEERING	Jawaharlat Nehru Technological University, Kukatpally	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	POST GRADUATE	THERMAL ENGINEERING	Jawaharlat Nehru Technological University, Kukatpally	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	POST GRADUATE	VLSI SYSTEM DESIGN	Jawaharlat Nehru Technological University, Kukatpally	24	24	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	UNDER GRADUATE	CIVIL ENGINEERING	Jawaharlat Nehru Technological University, Kukatpally	120	180	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	Jawaharlat Nehru Technological University, Kukatpally	240	240	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	Jawaharlat Nehru Technological University, Kukatpally	120	120	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	Jawaharlat Nehru Technological University, Kukatpally	180	180	NA	NA	N

Application Number: 1-2019701936\*

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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application Id: 1-2015/01938			Course	Duration	Affiliating Body	Approval Status				
Program	Sch	Level				India 2013-14	India Approved for 14-15	NET Approval Status	PD Approval Status	Foreign Collaboration Approval Status
ENGINEERING AND TECHNOLOGY	1st SHR	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Jawaharlan Nehru Technological University, Kukatpally	90	90	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Jawaharlan Nehru Technological University, Kukatpally	180	240	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st SHR	UNDER GRADUATE	MINING ENGINEERING	FULL TIME	Jawaharlan Nehru Technological University, Kukatpally	90	90	NA	NA	N
ENGINEERING AND TECHNOLOGY	2nd SHR	POST GRADUATE	ADVANCED MANUFACTURING SYSTEMS	FULL TIME	Jawaharlan Nehru Technological University, Kukatpally	24	24	NA	NA	N
ENGINEERING AND TECHNOLOGY	3rd SHR	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlan Nehru Technological University, Kukatpally	24	24	NA	NA	N
ENGINEERING AND TECHNOLOGY	2nd SHR	POST GRADUATE	CONTROL SYSTEMS	FULL TIME	Jawaharlan Nehru Technological University, Kukatpally	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	3rd SHR	POST GRADUATE	DIGITAL SYSTEMS AND COMPUTER ELECTRONICS	FULL TIME	Jawaharlan Nehru Technological University, Kukatpally	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	3rd SHR	POST GRADUATE	POWER ELECTRONICS AND ELECTRICAL DRIVES	FULL TIME	Jawaharlan Nehru Technological University, Kukatpally	24	24	NA	NA	N

Application Number: 1-2015/01938

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application Id: 1-2015/01938			Course	Duration	Affiliating Body	Approval Status				
Program	Sch	Level				India 2013-14	India Approved for 14-15	NET Approval Status	PD Approval Status	Foreign Collaboration Approval Status
ENGINEERING AND TECHNOLOGY	2nd SHR	POST GRADUATE	TRANSPORTATION ENGINEERING	FULL TIME	Jawaharlan Nehru Technological University, Kukatpally	24	24	NA	NA	N
MANAGEMENT	1st SHR	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Jawaharlan Nehru Technological University, Kukatpally	180	180	NA	NA	N
MCA	1st SHR	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Jawaharlan Nehru Technological University, Kukatpally	90	90	NA	NA	N

\* Validity of the course details may be verified at [www.aicte-india.org/departments/approvals](http://www.aicte-india.org/departments/approvals)

The above mentioned approval is subject to the condition that MALLA REDDY ENGINEERING COLLEGE shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and subsequently upload and update the student/ faculty/ other data on portal as per the time schedule which will be intimated by AICTE.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3A/legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)

Member Secretary, AICTE

Application Number: 1-2015/01938

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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/62/63/64/65/66/67 FAX: 011-23724163 www.aicte-india.org

Copy for:

1. The Regional Officer,  
All India Council for Technical Education  
First Floor, old BICARD Building  
Jawaharlal Nehru Technological University  
Masab Tank, Hyderabad-500076
2. The Director Of Technical Education,  
Andhra Pradesh
3. The Registrar,  
Jawaharlal Nehru Technological University, Hyderabad
4. The Principal / Director,  
MALLA REDDY ENGINEERING COLLEGE  
MAISAMMAGUDA,GUNDLAPOCHAMPALLY (VILLAGE), MEDCHAL (MANDAL) RANGA REDDY (DIST)  
SECUNDERABAD - 500 014,  
SECUNDERABAD,RANGAREDDI,  
Andhra Pradesh,500014
5. The Secretary / Chairman,  
C. M. R. EDUCATIONAL SOCIETY  
SURVEY NO.39, JAYANAGAR COLONY, NEW BOWENPALLY, SECUNDERABAD - 500 011,  
SECUNDERABAD,RANGAREDDI,  
Andhra Pradesh,500011
6. Guard File(AICTE)

Application Number: 1-2019701936\*

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## Enclosure: IV

## JNTUH, Hyderabad affiliation letter for academic year 2014-15

Grams: "TECHNOLOGY"  
E Mail: pa2registrar@jntuh.ac.in



Phone: Off: +91-40-32422253  
Res: +91-40-32517275  
Fax: +91-40-23158665

PROCEEDINGS OF THE  
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD  
(Established by Andhra Pradesh Ordinance No. 30 of 2002)  
Kukatpally, Hyderabad – 500 085, Andhra Pradesh (India)

Procds.No.AAC/Permanent Affiliation Malla Reddy EC/2014 Date: 30-05-2014

Sub: JNTUH – UAAC – Grant of Permanent Affiliation to "Malla Reddy Engineering College", Gundla, Pochampally, Maisammaguda, Medchal (M), Hyderabad-501401 from the Academic Year 2014-15 to 2018-19. Orders Issued.

- Read: 1. Letter dated: 06-03-2014 received from the Principal "Malla Reddy Engineering College",  
2. UAAC/AGB/FFC-Inspection-Permanent / Temporary Affiliation/2014, dated 09-05-2014  
3. FFC Report dated: 27-05-2014,  
4. The approved Guidelines in the EC of JNTUH in its Tenth meeting, dated 14-12-2012.  
5. Minutes of the Standing Committee for Affiliation, dt: 04-01-2014.  
6. Note file orders of the Vice- Chancellor, dt: 30-05-2014.

## ORDER:


1. The Principal "Malla Reddy Engineering College", Gundla, Pochampally, Maisammaguda, Medchal (M), Hyderabad-501401 has submitted an application for grant of Permanent Affiliation by JNTUH from the Academic Year 2014-15 vide (1) read above. The University has constituted a Fact Finding Committee to examine the proposal for considering the grant of Permanent Affiliation of the College vide (2). The Fact Finding Committee has inspected the college and submitted its report to the University vide (3). Based on the existing Guidelines for Permanent Affiliation vide (4) and the minutes of Standing Committee for Affiliation vide (5) the College is fulfilling the requirements for grant of Permanent Affiliation.
2. In this connection, the Vice-Chancellor is pleased to grant Permanent Affiliation to "Malla Reddy Engineering College", Gundla, Pochampally, Maisammaguda, Medchal (M), Hyderabad-501401 to offer UG, PG Degree Courses in the following disciplines with the intake shown against each for 5 years w.e.f. the Academic Year i.e. 2014-15 to 2018-19 vide(6).

S.No.	Name of the Course	INTAKE
1.	CSE	240
2.	ECE	180
3.	EEE	60
4.	MECH	240
5.	Mining	60
6.	Civil	180
7.	MBA	120
8.	M.Tech- Digital Systems & Computer Electronics	18
9.	M.Tech- Computer Science & Engg	18
10.	M.Tech- Structural Engineering	18
11.	M.Tech- Embedded Systems	24
12.	M.Tech-VLSI System design	24
13.	M.Tech- Computer science	24
14.	M.Tech- Geo Technical Engg.	18
15.	M.Tech-Thermal Engineering	24
16.	M.Tech- Control Systems	18
17.	M.Tech-Machine Design	18
18.	M.Tech-Electrical Power Systems	24
19.	M.Tech- Computer Science & Engg (2 <sup>nd</sup> Shift)	24
20.	M.Tech- Advance Manufacturing Systems (2 <sup>nd</sup> Shift)	24
21.	M.Tech- Power Electronics and Electrical Drives (2 <sup>nd</sup> Shift)	24
22.	M.Tech- Transportation Engg (2 <sup>nd</sup> Shift)	24
23.	M.Tech- Control Systems (2 <sup>nd</sup> Shift)	18

-- 2 --

The Permanent Affiliation is subject to the following conditions:

- 1.The Management shall follow the norms of UGC/ AICTE and the rules of Affiliation of JNTUH Hyderabad in all respects.
- 2.The Management shall follow the Academic Regulations and Examination Schedules of JNTUH Hyderabad.
- 3.The appointment of the Principal shall be ratified by the University.
- 4.The College shall have 65% of the Faculty ratified by JNTUH.
- 5.The University will monitor the existing courses and inspect all the new courses / increase in intake for every Academic Year before start of the counseling process.
- 6.During the period of Permanent Affiliation, the college needs to submit annual report along with Application, Inspection and Affiliation Fees and dues, if any.
- 7.The University can withdraw the Permanent Affiliation at any point of time if the college does not satisfy the standards and norms as set by the University for Affiliation.
- 8.Affiliation and Inspection Fee dues, if any, shall be cleared before receiving these proceedings.


  
REGISTRAR

To  
The Director / Principal,  
"Malla Reddy Engineering College",  
Gundla, Pochampally, Maisammaguda,  
Medchal (M), Hyderabad-501401.

Copy to:  
The Chairman/Secretary "Malla Reddy Engineering College", Gundla, Pochampally,  
Maisammaguda, Medchal (M), Hyderabad-501401.  
The Principal Secretary, Dept. of Higher Education (EC-1) Dept. of Andhra Pradesh, Secretariat,  
Hyderabad  
The P.A. to Chairman, Andhra Pradesh State Council of Higher Education, JNTU Old Campus, Masab Tank,  
Hyderabad-500 028  
The Secretary, A.P. State Council of Higher Education, JNTU Old Campus, Masab Tank, Hyderabad-28.  
The Commissioner of Technical Education, BRKR Govt. Office Complex, Hyderabad  
The Secretary, University Grants Commission, New Delhi-110002.  
The Member Secretary, All India Council for Technical Education, New Delhi - 110002.  
Copy to the PA to the Vice-Chancellor.  
Copy to the PA to the Rector.  
Copy to the PA to the Registrar.  
Copy to the DAP, JNTUH, Hyderabad.  
Copy to the Director of Evaluation, JNTUH, Hyderabad.

## Enclosure: V

## NAAC copy of accreditation for Cycle 1

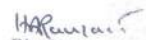


**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**  
An Autonomous Institution of the University Grants Commission  
Ministry of Human Resource Development, Government of India  
P. O. Box 1075, New Chhatra, Bangalore-560 072, India.  
Phone: +91-80-23005100, 2301261 - 65, Fax: +91-80-23210268/23210270

*Provisional Certificate of Accreditation*

*The Executive Committee of the  
National Assessment and Accreditation Council  
on the recommendation of the duly appointed  
Peer Team is pleased to declare the  
A.M.R. Education Society  
Malla Reddy Engineering College  
Maisammaguda, Pochampally, Hyderabad,  
affiliated to Jawaharlal Nehru Technological University, Andhra Pradesh as  
Accredited  
with CGPA of 3.01 on four point scale  
at A grade  
valid up to March 27, 2015*

EC Date : March 28, 2010

  
Director

EC/ICA/21/AF

Enclosure: VI

AICTE approval to establish Malla Reddy Engineering College

**अखिल भारतीय तकनीकी शिक्षा परिषद**  
**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
 (भारत सरकार का एक संवैधानिक संस्थान) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

F.No: 06/05/AP/ENGG/2002/074  
Date : 27.05.2002

The Commissioner of Technical Education,  
Govt. of Andhra Pradesh,  
3<sup>rd</sup> Floor, BRKR, Govt. Complex,  
Hyderabad - 500 063

Sub: AICTE approval to C.M.R. EDUCATION SOCIETY, SURVEY NO. 59, JAYA NAGAR COLONY, NEW BOWENPALLY, SECUNDERABAD - 500 011, ANDHRA PRADESH, for establishment of MALLA REDDY ENGINEERING COLLEGE, SURVEY NO. 593, 594, GUNDLA POCHAMPALLY, MEDICAL MANDAL, HYDERABAD - 501 401, ANDHRA PRADESH

Sir,  
I am directed to state that based on the consultations with the concerned State Govt., the concerned affiliating body and on recommendations of the Regional Committee, the Expert Committee constituted by the Council and as per the provisions of AICTE Act and Regulations, the All India Council for Technical Education (AICTE), is pleased to accord approval to C.M.R. EDUCATION SOCIETY, SURVEY NO. 59, JAYA NAGAR COLONY, NEW BOWENPALLY, SECUNDERABAD - 500 011, ANDHRA PRADESH, for establishment of MALLA REDDY ENGINEERING COLLEGE, SURVEY NO. 593, 594, GUNDLA POCHAMPALLY, MEDICAL MANDAL, HYDERABAD - 501 401, ANDHRA PRADESH for the academic year 2002-2003, for course(s) and intake as given below with specific condition that admission shall be made through the Central Counseling by the Government of ANDHRA PRADESH only. This approval is valid only for the academic years 2002-2003 and cannot be extended for the next year 2003-2004. In the event the establishment of the institutions having not been operationalised, this approval is not valid unless AICTE specifically revalidates.

COURSE(S)	INTAKE	LEVEL	DURATION (YEARS)	PERIOD OF APPROVAL
ELECTRONICS & COMMUNICATION ENGG.	60	Degree	4	2002-03
MECHANICAL ENGG.	60	Degree	4	2002-03
ELECTRICAL ENGG.	60	Degree	4	2002-03
BIO TECHNOLOGY	60	Degree	4	2002-02
Total	240			

This approval has been accorded subject to fulfillment of general conditions and as per the Norms and Standards of the AICTE, and also specific conditions (Annexure-I)

The attention of the management is drawn to the fact that the approval given now is only for one academic session before the end of which an expert committee shall visit to assess if the norms and standards as stipulated by AICTE are fulfilled, and only then will the continuation or otherwise shall be intimated.

The admission will be made in accordance with Regulations notified by the AICTE vide GSR 476(E) dated 20.05.1992 based on the Hon'ble Supreme Court Judgment dated 02.07.1992 with regard to W.P.(C) No 807 of 1992 in the case of Lata Kishanrao JP and others vs. M's State Government and others. Management Institutions must not announce admission under any circumstances, and subject to intimation to State Government and approval of the State Government, admission shall be made in future sessions.

**PRINCIPAL**  
MALLA REDDY ENGINEERING COLLEGE

F.No.06/05/AP/ENGG/2002/074

In the event of infringement/contravention or non-compliance of the provisions of AICTE Regulations, Guidelines or the norms and standards as prescribed by the AICTE, the Council shall take further action to withdraw approval, and the liability arising out of such withdrawal of approval will be solely that of Management/Trust/Society and/or Institution.

The Council may inspect/visit the Institution any time it may deem fit to verify the progress/ compliance.

You are requested to kindly monitor the progress made by this institution towards fulfilling the norms and standards prescribed by the Council and keep the concerned Regional Office and AICTE, New Delhi informed.

Yours faithfully,  
  
(P.N. Razdan)  
Advisor (UG)

Copy to:

- The Regional Officer, AICTE, Southern Regional Office, 36 Haddows Road, Chennai - 600 006.

He is requested to monitor compliance with the Norms and Standards and conditions stipulated by the Council and keep the concerned Regional Committee and the AICTE informed of the same.

It is also requested to ensure the receipt of notified undertaking as specified by the Council from the institution/management concerned within the stipulate time frame.

- The Registrar, JNTU

He is requested to complete the process of affiliation for facilitating admissions.

- The Principal, MALLA REDDY ENGINEERING COLLEGE, SURVEY NO. 593, 594 GUNDLA POCHAMPALLY, MEDICAL MANDAL, HYDERABAD - 501 401 ANDHRA PRADESH

The institution should submit a notarised undertaking on non-judicial stamp paper as per format given in Annexure II to the concerned Regional Office, AICTE with a copy to the Headquarters, AICTE, New Delhi within one month from the date of receipt of this approval letter.

(iii) The institution/management should also submit a notarised undertaking from the Governing Body to the concerned Regional Office, AICTE with a copy to Headquarters, AICTE, New Delhi and to the concerned State Government that all the infrastructural and instructional facilities shall be in place as per the norms of AICTE prior to the admissions of any student for the academic year 2002-2003.

The Director of Technical Education, Andhra Pradesh

3. Guard File

**PRINCIPAL**  
MALLA REDDY ENGINEERING COLLEGE

## Enclosure: VII

## NBA Re-accreditation letter

## NATIONAL BOARD OF ACCREDITATION

NBCC: Place, East Tower, 4<sup>th</sup> Floor, Bhitani Pitham Marg,  
Pragati Vihar, New Delhi-110 003  
Tel: +91 11 2436 0620, 2436 0654 Telefax: +91 11 2436 0682



F.No. 11-87/2010/NBA

Dated: 07 November, 2014

To,

The Principal,  
Malla Reddy Engineering College,  
Malsammaguda,  
Dhulapally (Post via Hakimpet),  
Secunderabad, A.P.- 500014

Subject: Accreditation status of programmes applied by Malla Reddy Engineering College, Malsammaguda, Dhulapally (Post via Hakimpet), Secunderabad-500014, A.P.

Sir,

This has reference to application dated 21/10/2011 in Tier-II format seeking accreditation from National Board of Accreditation (NBA) to UG Engineering programmes offered by Malla Reddy Engineering College, Malsammaguda, Dhulapally (Post via Hakimpet), Secunderabad-500014, A.P.

2. An Expert Team conducted an on-site evaluation of the programmes during 27<sup>th</sup> to 29<sup>th</sup> June, 2014. The reports submitted by the Expert Team were considered by the concerned Committees constituted for the purpose in NBA. The competent authority has approved the accreditation status to the following programmes as below:

Sl. No.	Name of the Programmes (UG)	Basic of Evaluation	Accreditation Status	Period of validity w.e.f. 01.07.2014	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1	Computer Science & Engineering	Tier-II Document	Provisionally Accredited	2 years	Accreditation Status granted is valid for the period indicated in Col. 5 or till the programme has the approval of the Competent Authority, whichever is earlier.
2	Electronics & Electrical Engineering		Provisionally Accredited	2 years	
3	Electronics and Communication Engineering		Provisionally Accredited	2 years	
4	Mechanical Engineering		Provisionally Accredited	2 years	
5	Civil Engineering		Provisionally Accredited	2 years	

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The accreditation status awarded to the programmes as indicated in the above table does not imply that the accreditation has been granted to Malla Reddy Engineering College, Malsammaguda, Dhulapally (Post via Hakimpet), Secunderabad-500014, A.P., as a whole. As such the institute should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is programme accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the programme(s) accredited, level of programmes and the period of validity of accreditation, as well as the date from which the accreditation is effective, should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

5. The accreditation status of the above programmes is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programmes as indicated in the table in paragraph 2, appears on the website and information bulletin of your institution.

Date: 07/11/2014

6. The accreditation status awarded to the programmes as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

7. Copies of the Comprehensive Report submitted by the Chairman of the Expert Team along with the detailed reports submitted by the Expert Team which visited your institution for the programmes evaluated are enclosed for reference and to take necessary action to overcome the shortcomings, if any, pointed out by the Expert Team.

8. If the Institute is not satisfied with the decision of NBA, it may appeal within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,


(Dr. Anil Kumar Nassa)  
Member Secretary

Encs: 1. Copy of Report of Chairman of the Visiting Team.  
2. Copies of Expert Reports of the Visiting Team.

## Copy to:

- The Vice Chancellor, Jawahar Lal Nehru Technological University, Hyderabad.
- The Principal Secretary (Higher Education), Government of Andhra Pradesh, J Block, 4<sup>th</sup> Floor, Secretariat Building, Hyderabad-500022.
- The Director of Technical Education, Dept. of Technical Education, Govt. of Andhra Pradesh, 5th Floor, BRK Complex, Tarbunda Road, Hyderabad-500063, A.P.
- Accreditation File
- Master Accreditation file of the State.

**Enclosure: VIII****NBA accreditation letter**


  
**अखिल भारतीय तकनीकी शिक्षा परिषद्**  
**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)  
**राष्ट्रीय प्रत्यायन मंडल (रा.प्र.म.)**  
**NATIONAL BOARD OF ACCREDITATION (NBA)**  
(Constituted Under Clause 10(a) of AICTE act, 1987)

**Dr. (Mrs.) Tabassum Naqvi Haider**  
 Director – Quality Assurance  
**F.No. NBA/ACCR-1013/07**  
**July 19, 2008**

To

**The Principal/Director**  
**Malla Reddy Engineering Collage,**  
**Maisammaguda, (Dhulapalli Post Via Kakimpet),**  
**Secunderabad – 500 014 (AP)**

Sub : **Accreditation Status of Programme(s) offered by your institution.**

Dear Sir:

With reference to your application for accreditation of the following programme (s) and the Expert Committee visit to your institution, the report of the visit team was considered by the various Sectoral Committees and subsequently by the National Board of Accreditation in its meeting held on 19.07.2008. Based on the recommendations of the Board, I am pleased to communicate the Accreditation Status of the following programme (s) from your institution.

Sl. No.	Name of UG Programme(s)	Accreditation Status	Period of validity w.e.f. 19.07.2008
1.	Electronics & Comm. Engg.	Accredited	3 years
2.	Electrical & Electronics Engineering	Accredited	3 years
3.	Mechanical Engineering	Accredited	3 years

( Total number of programmes Accredited vide this letter- Three)

The Accreditation status awarded to the above programmes of your institution does not imply accreditation to the College / Institution as a whole. Complete name of the Programme(s) Accredited and its period of validity, as well as the date from which the award is effective, should be quoted unambiguously whenever it is used. The accreditation status of the above programmes is subject to periodic review by the NBA Secretariat and will be changed if major deficiencies are identified on surveillance. You are also requested to comply with the mandatory disclosure of pertinent information as per the proforma placed in the AICTE website with respect to accredited programmes of your institution. The same information should also appear in the website and information bulletin of your institution clearly indicating the date of publication of the same.

Contd...2

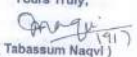
भौक मल इस्ट टावर, एन डी सी रो प्लेस, भीम पितामह मार्ग, प्रागति विहार, नई दिल्ली - 110003  
 4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, New Delhi -110003  
 Telefax : (D) 24368624 EPBAX . 24369619 - 22

2

The status awarded to the above programmes of your college / institution is on the presumption that the programmes would maintain the current standards in future. If there are any changes that would effectively alter the status (such as, major changes in faculty strength or changes in the organisational structure, etc.), the same shall be communicated to the undersigned, with an appropriate explanatory note. A comprehensive report submitted by the Chairman of the expert committee who visited your institution and the distribution of marks/points awarded for each programme against the accreditation parameters are enclosed for further necessary action at your end to overcome the shortcomings observed in each programme. If you are not satisfied with the decision of the Board, you may forward your appeal application with requisite fee within thirty days of receipt of this communication.

Let me also take this opportunity to congratulate all those who have contributed to the quality enhancement of programmes that secured accreditation by NBA.

With best regards,

Yours Truly,  
  
 ( Tabassum Naqvi )

C.C. :


- The Vice-Chancellor,  
Jawaharal Nehru Technological University,  
Hyderabad – 500 072  
Andhra Pradesh
- The Secretary,  
Deptt. of Technical Education,  
Govt. of Andhra Pradesh,  
BRKB Bhawan,  
Hyderabad – 500 083 (AP)
- The Regional Officer,  
All India Council for Technical Education  
Southern Regional Office,  
26, Haddows Road, Shastri Bhawan,  
Chennai – 600 006
- Accreditation File
- Guard File,

( Tabassum Naqvi )



## Enclosure: IX

## Grant of UGC Autonomy



विश्वविद्यालय अनुदान आयोग  
 बहादुरशाह जफर मार्ग  
 नई दिल्ली-110 002  
 UNIVERSITY GRANTS COMMISSION  
 BAHADURSHAH ZAFAR MARG  
 NEW DELHI-110 002  
 UGC Website : www.ugc.ac.in

Dr. Nidhi Sharma  
 Deputy Secretary  
 Ph: 011-23211513  
 nidhiugc@gmail.com

**BY SPEED POST**

No.F. 22-1/2014(AC) Jan, 2014

The Registrar,  
 Jawaharlal Nehru Technological University  
 Hyderabad Kukatpally  
 Hyderabad - 500 085 (A.P.)

20 01 2014

Sub:- Conferment of Fresh Autonomous Status to Malla Reddy Engineering College, Maisammaguda, Dhulapally, (Post Via Kompally), Secunderabad - 500 100 affiliated to Jawaharlal Nehru Technological University, Hyderabad.

Sir/Madam,

This has reference to the proposal dated 30.12.2011 submitted by Malla Reddy Engineering College, Maisammaguda, Dhulapally, (Post Via Kompally), Secunderabad - 500 100 under the UGC scheme for conferment of fresh autonomous status and subsequent visit of the UGC Expert committee to consider the proposal on 30<sup>th</sup> & 31<sup>st</sup> December, 2013.

The report of the aforesaid Joint UGC Expert Committee was placed before the Standing Committee constituted for the purposes by the Commission to look into the Expert Committee reports for conferment of fresh autonomous status and extension of autonomy to colleges before its recommendations are placed before the Commission for its final approval.

The recommendations of the Standing Committee were placed before the Commission at its meeting held on 10.01.2014. The Commission, after taking due consideration of the recommendations of the Standing Committee, agreed to grant autonomous status to Malla Reddy Engineering College, Maisammaguda, Dhulapally, (Post Via Kompally), Secunderabad - 500 100 under the UGC autonomous colleges scheme for a period of six year w.e.f. the academic year i.e. 2014-2015 to 2019-2020.

The Jawaharlal Nehru Technological University, Hyderabad may now go ahead and issue necessary orders in this regard by endorsing a copy of the same to this office for our records. The admissible grant under this scheme will be released to the College as per its eligibility, according to the norms as laid down in the Xlth Plan Guidelines for Autonomous Colleges by the Joint Secretary & Incharge, UGC, South Eastern Regional Office, PB No. 152, APSFC Building, 4<sup>th</sup> Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001.


Yours faithfully,  
 \_\_\_\_\_  
 (Nidhi Sharma)

Cont...

2

Copy to:-

1. The Secretary, Higher Education Department, Govt. of Andhra Pradesh, J-Block, 4<sup>th</sup> Floor, A.P. Sectt, Hyderabad - 522 022 (Andhra Pradesh)
2. The Joint Secretary & Incharge, UGC, South Eastern Regional Office, PB No. 152, APSFC Building, 4<sup>th</sup> Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001.
3. The Principal, Malla Reddy Engineering College, Maisammaguda, Dhulapally, (Post Via Kompally), Secunderabad - 500 100.  
 (A copy of the Expert Committee report is also enclosed for your information and guidance.)
4. Meeting Cell.
5. Concerned file
6. Guard File.

  
 (Mrs.) S.B. Gupta  
 Under Secretary

**Enclosure: X**  
**Grant of TEQIP-II**

Fin. Con.  
Jagadeh  
10.06.13  
Sanction 1 of 3

F. No. 16-5/2013-TS.VII  
Government of India  
Ministry of Human Resource Development  
Department of Higher Education  
(Technical Section - VII)  
\*\*\*\*\*

Room No. 433-C Wing  
Shastry Bhawan, New Delhi-110001  
10<sup>th</sup> June, 2013

To  
The Principal Accounts Officer  
Principal Accounts Office, MHRD  
Department of Higher Education  
Shastry Bhawan, New Delhi-110001

Subj:- Release of Grants (Plan) to 13 Institutions in the State of Andhra Pradesh, Jharkhand and Kerala under the World Bank assisted Technical Education Quality Improvement Programme of Government of India (TEQIP-II) for the year 2013-2014 (General).

Sir,  
I am directed to say that Government of India is providing financial assistance to Government/ Govt. Aided Institutions/SPFLs for Rs. 773.05 lakhs (Rs. Seven crore seventy three lakh and five thousand only) to 13 Institutes i.e. 75% of the grant to states as Central Share as per detailed below under the scheme of Technical Education Quality Improvement Programme of Government of India (TEQIP-II) for the implementation of Technical Education in India. Remaining 25% share will be released by the States. The amount of Rs. 773.05 lakhs is to be released based on progress achieved. The grants under the scheme are to be released through concerned State Governments through book transfer via RBI for further release of the specified amount to the concerned Institute as per the terms contained herein.

2. Accordingly, I am directed to convey the sanction of the President of India to the release of a sum of Rs. 773.05 lakhs (Rs. Seven crore seventy three lakh and five thousand only) to the Secretary dealing with States as per the details given below under the World Bank assisted Technical Education Quality Improvement Programme of Government of India (TEQIP) during the year 2013-2014 for meeting the non recurring expenditure.

S. No.	Name of State	Total No. of Institutions *	Centre Share (Rs. in Lakhs)	SPFLU Expenses	Total (Rs. in Lakhs)
1	Andhra Pradesh	11	523.12	-	523.12
2	Jharkhand	1	116.25	17.43	133.68
3	Kerala	1	116.25	-	116.25
	<b>Total</b>	<b>13</b>	<b>755.62</b>	<b>17.43</b>	<b>773.05</b>

3. The above grant is subject to the following terms and conditions:

- The Institutions shall implement activities within the framework of Project Implementation Plan (PIP), Development Credit Agreement (DCA) and Project Agreement (PA).
- The amount sanctioned will be spent as per the percentage indicated in the Project Implementation Plan (PIP) on Procurement of Goods (Equipments, Furniture, Books & LR's & Software), Minor items, Refurbishment (Minor Civil Works), Consultancy services, Teaching and Research Assistantships, Research and Development, Faculty and Staff Development, Industry Institute Interaction, Institutional Management Capacity enhancement, Institutional reforms, academic Support for weak students and incremental operating cost.

MALLA REDDY ENGINEERING COLLEGE  
10<sup>th</sup> June 2013

-2-

- In addition the amount will be spent for salaries and allowances for agreed key additional faculty and staff and travel and supervision cost incurred for the purpose of carrying the project cost of operation and maintenance of equipment and vehicles, office rental and expenses and hiring of vehicles.
- The amount of grant shall be utilized for the purpose for which it is sanctioned with due regard to economy, efficiency and sustainable achievement of the project's objectives.
- No portion of the sanctioned amount shall be diverted for any purpose other than that for which it has been sanctioned;
- The assets acquired wholly or substantially out of the grant shall not, without the prior sanction of the Government of India, be disposed, encumbered or utilized for any purpose other than that for which it is sanctioned;
- The amount of this grant, in so far as the utilization is concerned, will be open to test check by the Comptroller & Auditor General of India or his representative at his discretion. Information about the arrangements for such a test will be sent to the institution in so far as Central Government Funds are concerned. It will also be open to test check by an officer of the Government of India;
- The requirement of production of Utilization Certificate in respect of the grant of sanction by the Government of India should be fulfilled to the satisfaction of the Government.
- The next instalment of Government of India's grant, if any, will be sanctioned after the amount of the present grant has been utilized and the progress report of expenditure incurred thereon is submitted.
- The institution shall submit the Financial Monitoring Report on quarterly basis to NFIU- in the proforma given in the Financial Management Manual within 30 days of the completion of each quarter.
- The institution shall conduct the audit of financial statements after the completion of each financial year as per the Terms of Reference (ToR) and Selection Criteria for audit of financial statements as mentioned in the Financial Management Manual.
- The instructions given in the Project Implementation Plan (PIP) as regards to the permissible and non-permissible expenses should be followed.
- All accounting and financial instructions given in the Financial Management Manual should be followed for TEQIP-II.

4. The amount sanctioned is debited to Demand No. 60, Department of Higher Education, -3601 Major Head - Grants in aid to State Governments -04 -Grants to Central Plan Scheme, 174 (Gen)- Technical Education-Engineering, Technical colleges and Institutes, -01- Technical Education Quality Improvement Programme of Government of India, 01.00.31-Grants in aid General (3601.04.174.01.00.31) for the year 2013-2014 (Plan).

5. The sanction is issued in exercise of the powers delegated to Ministries under DFPR, 1978, as amended from time to time. Above grants are being released in accordance with the pattern of Assistance approved by the Ministry of finance, Government of India. It is also certified that this Sanction is being issued in conformity with the rules and principles of the scheme.

6. The previous unspent balance of grants under the scheme if any, lying with grantee institute has been adjusted while preparing release of grants and grantee may utilize the unspent balance if any also along with their grant for the purpose for which it is mentioned.

7. The Institution has been exempted from execution of bond, etc. in terms of the Ministry of Finance (Department of Expenditure)'s O.M. No. (1)E.IIA dated 23.6.1985.

MALLA REDDY ENGINEERING COLLEGE  
10<sup>th</sup> June 2013

8. Any future grant will be released to this Institution only after they have satisfied the Ministry that adequate provision for representation of SC/ST has been made in its constitution/rules and these are being followed in actual practice in filling up vacancies reserved for SC/ST candidates every year.
9. The Institute shall fully implement the official language policy of the Union Government i.e. the Institutions shall fully comply with the Official Languages Act, 1963 and Official Languages Use for the Official Purpose of the Union Rules, 1976, etc.
10. On receipt of sanction letter, the Principal Accounts Officer may issue an advice to the Reserve Bank of India (Central Accounts Section), Nagpur for affording credit to the balance of the State Government. The Principal Accounts Officer may forward a copy of the advice to the Accountant General and Finance Department of the State Government as well as Secretary, Technical Education of the State with a copy to the undersigned.
11. The grantee Institute is situated under the concerned jurisdiction of the Director General of Audit.
12. The Institutions shall furnish to the Government a utilization certificate duly signed by the authorized Auditor of the Institutions and counter signed by the Director of the Institutions to the effect that the grant has been utilized for the purpose for which it was sanctioned supported by the audited Statement of Accounts of the Institutions in respect of grant released under the scheme of Technical Education Quality Improvement Programme Phase II of Government of India. The requirement of production of Utilization Certificate in respect of the grants already sanctioned by the Government of India should be fulfilled to the satisfaction of the Government. The institute shall furnish Utilization Certificate immediately after the closing of the financial year 2013-14.
13. These Institutions have no Utilization Certificates as due for rendition under the Rules under this programme of the Ministry/Department.
14. The grantee is situated under the concerned jurisdiction of the Director General of Audit.
15. The sanction is issued in exercise of delegated powers and in accordance with the Integrated Finance Division vide Dy. No. 3083 dated 30.05.2013 and I.F.I Section vide their Dy. 18213-IF-I dated 07.06.2013.
16. Necessary Sanction I.D. for above grants is generated.
17. The grant mentioned in para 2 above will be released by the State Governments for the implementation of Technical Education under the scheme of Technical Education Quality Improvement Programme of Government of India (TEQIP-II) to the below mentioned indicated institutions mentioned against each State.

Andhra Pradesh (Rs. in lakh)			
1	Andhra Pradesh	Pvt. Unaided (1.1)	Aditya Institute of Technology & Management, Tekkal, Srikakulam
2			Aurora's Scientific, Technological & Research Academy, Bandlaguda, Hyderabad
3			Chakranya Rharathi Institute of Technology, Gandipet, Hyderabad
4			Gokaraju Rangaraju Institute of Engineering & Technology, Kuntur, Hyderabad
5			Madanapalle Institute of Technology & Science, Madanapalle
6			Malla Reddy Engineering College, Neelchal, R.R. District, Hyderabad

Principal  
Malla Reddy Engineering College  
Bandlaguda, Hyderabad

7			Shri Vishnu Engineering College for women, Vishnupur, Bhimavaram	46.50
8			Sree Vityankethan Engineering College, Chittoor	46.50
9			Vasavi College of Engineering, Ibrahimbagh, Hyderabad	46.50
10			Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engg. & Technology, Hyderabad	46.50
11		Pvt. Unaided (1.2)	GITAM Institute of Technology - GITAM University, Vishakhapatnam	58.12
<b>Total No. of Institutions</b>			<b>(11) Total</b>	<b>523.12</b>
<b>Jharkhand</b>				
1	Jharkhand	Govt. Aided (1.2)	Birla Institute of Technology, Mesra, Ranchi	116.25
			SPPU Expenses	17.43
<b>Total No. of Institutions</b>			<b>(1) Total</b>	<b>133.68</b>
<b>Kerala</b>				
1	Kerala	Govt. (1.1)	College of Engineering, Thalassery, Kannur	116.25
<b>Total No. of Institutions</b>			<b>(1) Total</b>	<b>116.25</b>

Yours faithfully,

(Signature)  
Deputy Secretary (Mgmt.)

Copy to:

1. The Secretary, Technical Education, Andhra Pradesh, Jharkhand and Kerala, with a request to make expenditure of central grants strictly as indicated in the sanction letter and submit the progress report regularly.
2. Secretary, Finance Department of Andhra Pradesh, Jharkhand and Kerala. It is requested that funds released through this sanction letter may be transferred to the Technical Education Department at the earliest for onward release to the concerned institute as mentioned above.
3. Director, Technical Education & SPPU, Andhra Pradesh, Jharkhand and Kerala.
4. Prof. A.U. Digraaskar, Central Project Adviser, National Project Implementation Unit, EdCIL House, Noida. **With a request to send copy of sanction letter to all the concerned institutes.**
5. The Director General of Audit, Central Revenue, AGCR Building, IP Estate, New Delhi.
6. Internal Audit, Principal Accounts Office, MHRD, Shastrri Bhawan, New Delhi.
7. IF-1      8. E.C. Unit      9. IFD      10. Guard file 500 014

Principal  
Malla Reddy Engineering College  
Bandlaguda, Hyderabad

## Enclosure: XI

## TEQIP-II extension letter

By Speed Post /Email

No. Proc./TQ II/2014/ 30<sup>th</sup> October, 2014

To,

All SPFUs and 190 Project Institutions

Sub: **TEQIP-II: Extension of the project period---regarding**

Ref: **Our emails dated 20<sup>th</sup> October, 2014**

Sir,

As you are aware, the TEQIP-II Project was scheduled to end by December, 2014. There has been a delay in achievement of the project objectives due to the following:

1. Unavoidable delay in selection of 1<sup>st</sup> Cycle institutions.
2. Late entry of 2<sup>nd</sup> Cycle institutions.
3. The Centres of Excellence selected (CoEs) having limited time to achieve the objectives.
4. Delay in release in funds by the State Governments to the project institutions.

2. In view of the above, the project period has now been extended by the World Bank upto October, 2016. The communication was conveyed by NPIU to all the SPFUs and project institutions vide our email dated 20<sup>th</sup> October, 2014.

3. However, it is reported that some institutions / SPFUs have not received the above communication and hence the need for this letter.

4. The matter regarding additional allocation for the well performing project institutions is under scrutiny. Further communication in this regard will follow.

5. Please acknowledge the receipt of this letter.

With regards,

Yours faithfully  
(A U Digraaskar)  
Central Project Advisor

Copy to:

1. Director (TC), MHRD, Shastri Bhawan, New Delhi
2. Mr. Tobias Linden, Lead Education Specialist, The World Bank

## Enclosure: XII

## JNTUH, Hyderabad grant of autonomous

Phone: 081-40-2242233  
Res: +91-40-22517274  
Fax: +91-40-23158663

PROCEEDINGS OF THE  
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
(Established by Andhra Pradesh Ordinance No. 31 of 2008)  
Kukatpally, Hyderabad – 500 085, Andhra Pradesh (India)

Procs. No. AAC/Autonomous Status/Malla Reddy EC/2011. Date: 15/06/2011

Sub: **JNT University, Hyderabad – Academic Audit Cell – Grant of Autonomous Status to "Malla Reddy Engineering College, Maisammaguda, Gundla Pochampally, Medchal (M), Ranga Reddy Dist"** for the academic year 2011-12 - Orders issued.

Read: 1. Letter No: MREC/JNTUH/PA/2011, dated: 28-04-2011 received from the Principal, Malla Reddy Engineering College, Maisammaguda, Gundla Pochampally, Medchal (M), Ranga Reddy Dist.  
2. Univ.Procs No: AAC/AFU/Inspection-Autonomous Status/2011-12, dated: 23-05-2011.  
3. FPC Report dated: 31-05-2011.  
4. University Order No: JNTUH/EC/2010, dated: 24-07-2010 for Guidelines and eligibility criteria for grant of Autonomous Status.

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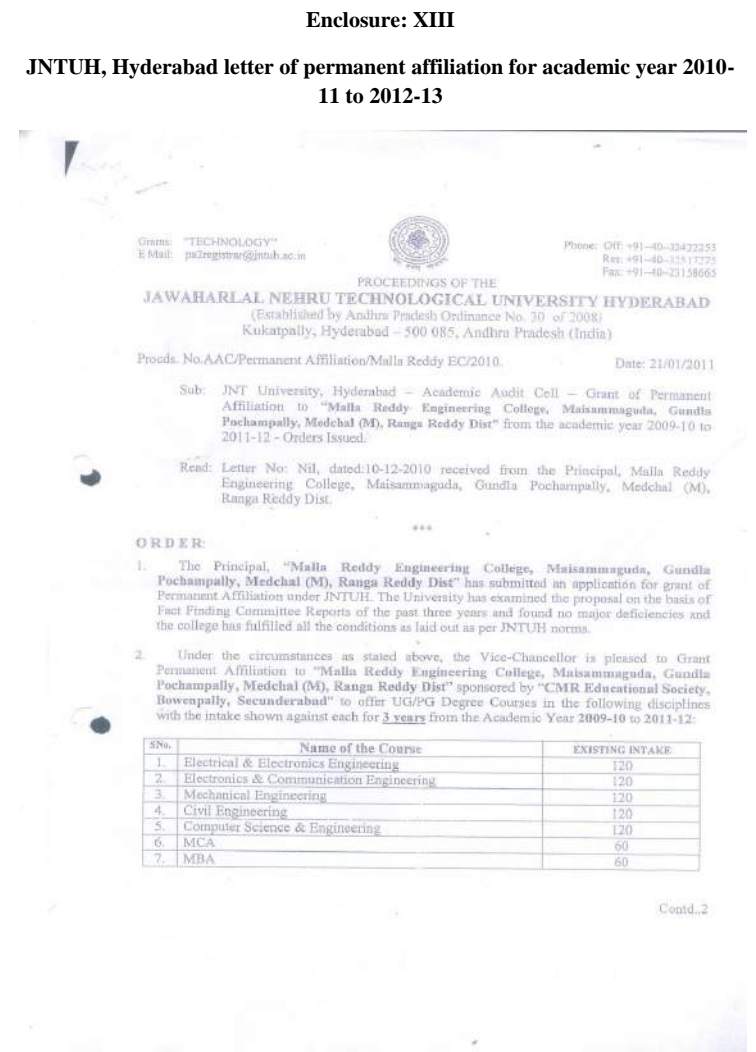
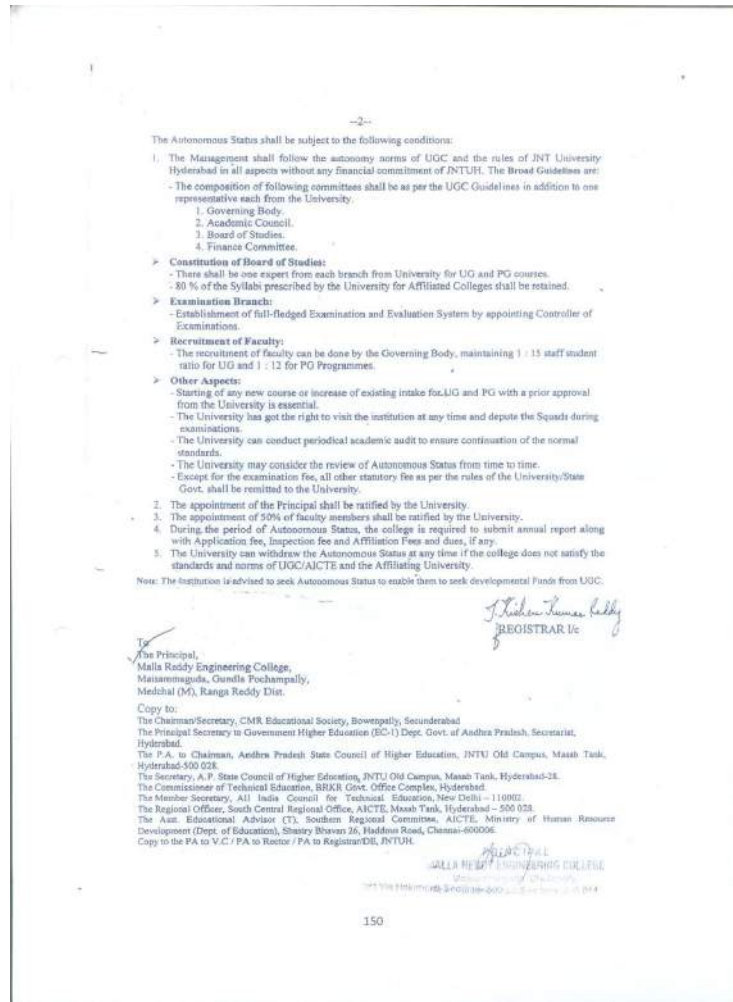
**ORDER:**

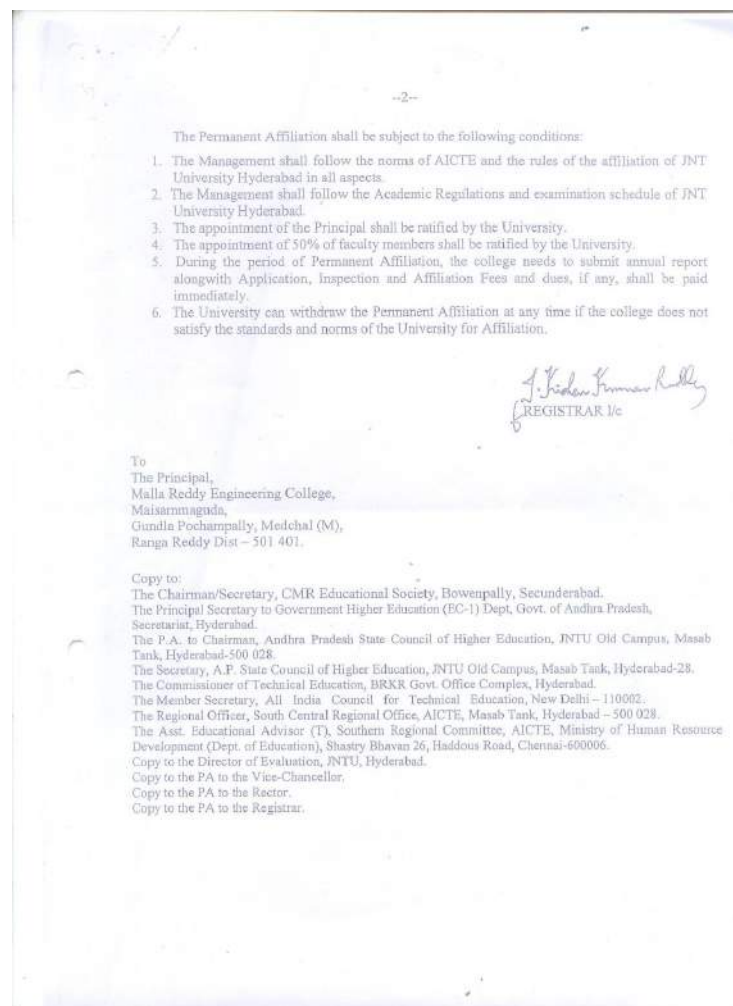
1. The Director, "Malla Reddy Engineering College, Maisammaguda, Gundla Pochampally, Medchal (M), Ranga Reddy Dist." has submitted an application for grant of Autonomous Status by JNTUH from the Academic Year 2011-12 vide (1) read above. The University has constituted a Fact Finding Committee to examine the proposal for considering the grant of Autonomous Status of the College vide (2) read above. The Fact Finding Committee has visited the college and submitted its report to the University vide (3) read above. Based on the visit and feed back from the faculty, non-teaching staff & students, the Fact Finding Committee has made recommendations for grant of Autonomous Status for the college on "experimental basis" for one year i.e., Academic Year 2011-12.
2. The UGC guidelines for grant of Autonomous Status to the University Affiliated Colleges will be applicable with no financial exemption of the University. If at any stage, the institution is not able to operate the academic autonomy due to unforeseen problems, it will be reverted back to the Affiliating parent University, JNTUH and henceforth the academic rules and regulations of the Affiliating University will be in force.
3. Under the circumstances as stated above, the Vice-Chancellor is pleased to Grant Autonomous Status to "Malla Reddy Engineering College, Maisammaguda, Gundla Pochampally, Medchal (M), Ranga Reddy Dist." (operated by "CMR Educational Society, Bowenpally, Secunderabad") to offer UG/PG Degree Courses in the following disciplines starting from the Academic Year 2011-12 on a trial basis, subject to review after one year.

SNo.	Name of the Course	EXISTING INTAKE
1.	Electrical & Electronic Engineering	120
2.	Electronics & Communication Engineering	120
3.	Mechanical Engineering	120
4.	Civil Engineering	120
5.	Computer Science & Engineering	120
6.	MCA	60
7.	MBA	60
8.	M.Tech-Digital System & Computer Electronics	18
9.	M.Tech-Control Engineering	18
10.	M.Tech-Control Systems	18
11.	M.Tech - Structural Engineering	18
12.	M.Tech - Thermal Engineering	18

Contd. 2

PRINCIPAL  
MALLA REDDY ENGINEERING COLLEGE  
Maisammaguda, D.P. Colony,  
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**Enclosure: XIV****List of H&S faculty**

S.No	Name of the Faculty Member	Dept.	Qualifications	Designation
1	Dr. k.Sharath Babu	Maths	M.Sc, Ph.D	Professor
2	Dr K.J.SHARMA	Maths	M.SC,Ph.D	Professor
3	P Kalyan Kumar	Maths	M.Sc, (Ph.D)	Assoc. Professor
4	P Ramyalatha	Maths	M.Sc, (Ph.D)	Assoc. Professor
5	V Pavan Kumari	Maths	M.Sc, (M.Phil)	Asst. Professor
6	G Gangadhar	Maths	M.Sc	Asst. Professor
7	P Rejitha	Maths	M.Sc	Asst. Professor
8	Y Suresh Kumar	Maths	M.Sc, (Ph.D)	Assoc. Professor
9	B Sridhar Reddy	Maths	M.Sc	Assoc. Professor
10	P Nagalakshmi Devi	Maths	M.Sc	Asst. Professor
11	V Naga Raju	Maths	M.Sc	Asst. Professor
12	M Venkata Ramana Reddy	Maths	M.Sc	Asst. Professor
13	M Srikanth	Maths	M.Sc	Asst. Professor
14	Mr.Pandu Ranga Rao	Maths	M.Sc, (Ph.D)	Asst. Professor
15	Mrs.S. Saroja	Maths	M.Sc,MCA	Assoc. Professor
16	Mr Hara Mohan Naik	Maths	MA, PGDTE	Asst. Professor
17	Mr A srinivas	Maths	M.Sc.	Asst. Professor
18	Kesava Vamsi Krishna V.	Physics	M.Sc.	Associate Professor
19	K. S. Rudramamba	Physics	M.Sc., M.Tech	Associate Professor
20	B. Hema Chandra Rao	Physics	M.Sc., M.Phil.	Assistant Professor
21	Md. Parvez Ahmed	Physics	M.Sc., M.Tech.	Assistant Professor
22	B. Venkata Ramana Reddy	Physics	M.Sc.	Assistant Professor
23	T Vijay Kumar	Physics	M.Sc.	Assistant Professor
24	Y. Srivatsa Kumar	Physics	M.Sc.	Assistant Professor
25	Dr. T. G. V. Mallikharjuna Rao	Physics	M.Sc., M.Phil, Ph.D.	Assistant Professor
26	Dr. V Dhanunjana chari	Physics	M.Sc., Ph.D	Assistant Professor
27	G Udayasri	Physics	M.Sc.	Assistant Professor
28	P Siva Kumar	Physics	M.Sc., M.Tech.	Assistant Professor

S.No	Name of the Faculty Member	Dept.	Qualifications	Designation
29	Dr.S.Kondaiah	Chemistry	M.Sc.,Ph.D	Professor & HOD
30	Dr. K. Suresh Babu	Chemistry	M.Sc.,Ph.D	Professor
31	Dr. A.Madhu Sudhan	Chemistry	M.Sc. ,Ph.D	Associate professor
32	Dr. V. Krishna	Chemistry	M.Sc. ,Ph.D	Associate professor
33	Mr.T.Ramesh	Chemistry	M.Sc.	Assistant Professor
34	Mrs.B.Mamtha Jain	Chemistry	M.Sc.	Assistant Professor
35	Mr S.Shivanand	Chemistry	M.Sc.	Assistant Professor
36	Mrs.R.Ashwini	Chemistry	M.Sc.	Assistant Professor
37	Mr.D.Raju	Chemistry	M.Sc.	Assistant Professor
38	Mr.P.Adithya Varma	Chemistry	M.P.Ed	Assistant Professor
39	Mrs.Sujatha Srinivas	Chemistry	M.P.Ed	Assistant Professor
40	Dr D Sudha Rani	English	MA, PGCTE, Ph.D	Professor
41	Dr T V Surendranath Reddy	English	MA, Ph.D	Professor
42	A S Jyotsna	English	MA	Assoc Professor
43	K.James	English	MA, M.Phil, (Ph.D)	Asst. Professor
44	K S Rajashri	English	MA, PGDTE	Asst. Professor
45	S K Chaitanya Ch	English	MA, (Ph.D)	Assoc.Professor
46	A Madhavalatha	English	MA, M.Phil	Assoc. Professor
47	Ms Kreethi krishnamoorthy	English	MA, M.Phil	Asst. Professor
48	P.Srujana	English	MA	Asst. Professor
49	Nasreen Begum	English	MA, B.Ed, PGDELT	Asst. Professor
50	B. Vijay Kumar	English	MA,MBA, M.Phil (Ph.D)	Asst. Professor
51	Dr. Meenakshi Dhondi	English	MA, M.Phil, (Ph.D)	Asst. Professor