

INSTITUTIONAL ACCREDITATION

SELF STUDY REPORT

Submitted to



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

National Assessment and Accreditation Council (NAAC)

An Autonomous Institution of the University Grants Commission
P.O. Box No. 1075, Nagarbhavi, Bangalore - 560 072

By



TIRUMALA ENGINEERING COLLEGE

(Approved by AICTE, New Delhi. Affiliated to JNTUK Kakinada) An ISO 9001:2008 Certified Institution

Jonnalagadda(V),Narasaraopet(M),Guntur(Dt).

Ph: 08647 - 218164, 219083, Fax: 219585





TIRUMALA ENGINEERING COLLEGE

Jonnalagadda, NARASARAOPET-522601, Guntur Dist., A.P.

(Approved by AICTE & Affiliated to Jawaharlal Nehru Technological University, Kakinada.)

Sponsored by Venkata Ramana Charitable Trust, Narasaraopet.

☎ **08647-218221, 219083, 218164. Fax : 08647 - 219585**

Website : tmecnr.org. E-mail : tecnrt@gmail.com, tecexamcell@gmail.com

College Code : NE

To
The Director,
NAAC,
Post Box No: 1075,
Nagarabavi, Bangalore-560072.

Jonnalagadda,
Date: 04-06-2016

Dear Sir,

Sub: Submission of 5 copies of SSR prints & Soft copy– TIRUMALA ENGINEERING COLLEGE,
Narasaraopet, Guntur, Andhra Pradesh - Reg..

Ref: NAAC/CAPU/SR/APCOGN26286/1ST Cycle 2016, NAAC dated 27-05-2016 with tracking
ID: **APCOGN26286**

With reference to the above, we would like to submit the printed copies of 5 sets & soft copy for your kind perusal and consideration, along with a DD of **Rs.3,45,000/-** (Three Lakhs and Forty Five Thousand rupees only) with no. **021264** dated **04-06-2016**, drawn from Axis Bank, Narasaraopet.

I request you to kindly arrange the visit team during the following dates.

Slot 1: 16th to 18th June-2016

Slot 2: 20th to 22nd June-2016

Slot 3: 23rd to 25th June – 2016

Hence, I request you to kindly permit us for further proceedings.

Kindly acknowledge the same.

Thanking you sir,

Yours Sincerely,


Principal

Enclosures:

1. 5 sets of SSR Prints and soft copy
2. DD of Rs. 3,45,000/- , DD No. 021264
3. LOI.

Dr. Y.V. NARAYANA B.Tech., M.E., Ph.D.,
Principal
TIRUMALA ENGINEERING COLLEGE
JONNALAGADDA - 522 601,
Narasaraopet, Guntur (Dist.), A.P.

CONTENTS		
	Description	Page Nos.
	Covering letter	
Part-I	Institutional Data	
	Executive Summary	1
	Profile of the College	9
Part II	Criterion-wise Evaluation Reports	
	1. Criterion I : Curricular Aspects	
	1.1 Curriculum Planning and Implementation	20
	1.2 Academic flexibility	27
	1.3 Curriculum Enrichment	36
	1.4 Feedback System	40
	2. Criterion II : Teaching-Learning and Evaluation	
	2.1 Student Enrolment and Profile	42
	2.2 Catering to Student Diversity	54
	2.3 Teaching-Learning Process	56
	2.4 Teacher Quality	63
	2.5 Evaluation Process and Reforms	70
	2.6 Student Performance and Learning Outcomes	75
	3. Criterion III : Research, Consultancy and Extension	
	3.1 Promotion of Research	87
	3.2 Resource Mobilization for Research	111
	3.3 Research Facilities	114
	3.4 Research Publications and Awards	116
	3.5 Consultancy	121
	3.6 Extension Activities and Institutional Social Responsibility	124
3.7 Collaborations	131	
4. Criterion IV : Infrastructure and Learning Resources		
4.1 Physical Facilities	135	
4.2 Library as a Learning Resource	142	
4.3 IT Infrastructure	145	
4.4 Maintenance of Campus Facilities	149	
5. Criterion V : Student Support and Progression		
5.1 Student Mentoring and Support	152	
5.2 Student Progression	173	

	5.3 Student Participation and Activities	178
	6. Criterion VI: Governance and Leadership & Management	
	6.1 Institutional Vision and Leadership	194
	6.2 Strategy Development and Deployment	205
	6.3 Faculty Empowerment Strategies	213
	6.4 Financial Management and Resource Mobilization	216
	6.5 Internal Quality Assurance System (IQAS)	217
	7. Criterion VII: Innovations and Best Practices	
	7.1 Environment, Consciousness	222
	7.2 Innovations	223
	7.3 Best Practices	225
Part-III	Evaluation Reports of the Departments	
	1. Applied Science & Humanities	233
	2. Computer Science Engineering	250
	3. Electronics and Communication Engineering	271
	4. Electrical and Electronics Engineering	303
	5. Mechanical Engineering	335
	6. Civil Engineering	350
	Declaration by Head of the Institution	
Part-IV	Annexure	
	1. JNTUK, Kakinada Affiliation	362
	2. AICTE Latest Permission	364

EXECUTIVE SUMMARY**THE GENESIS OF THE INSTITUTE:**

Tirumala Engineering College was established in the year 2008, in Jonnalagadda (v) near Narasaraopet, Guntur District, under Venkata Ramana Charitable Trust (Regd. No, 114 of book III dated 23.8.2007) formed by the Directors of Tirumala Milk Products Pvt. Ltd . The institute is approved by AICTE, New Delhi, affiliated to JNTUK, Kakinada, and recognized by the Govt of Andhra Pradesh. In a short span institute has established its mark in academic excellence and emerged as one of the premier institutions in the State, imparting technical education in five disciplines of engineering viz., ECE,EEE,CSE,MECH and Civil at UG Level.

The Management of Tirumala Engineering College is functioning effectively by Sri B.Brahma Naidu garu as its Chairman, Sri B.Nageswara Rao garu as its Vice Chairman, Sri R. Satyanarayana garu as its Secretary & Correspondent, Dr.N.Venkata Rao garu as its Joint Secretary and Sri D.Brahmanandam garu as its Treasurer. The Management works hard to keep the momentum in all the academic activities of learning in the implementation of result oriented programmes which results the excellence and quality in teaching-learning processes with professional aptitude. The college has been steered academically by Dr.Y.V.Narayana as a Principal since its inception who has an integrated experience of 25 years in teaching, industry and research.

THE PROGRESSION:

The TEC was started in the year 2008 with four branches viz. ECE, EEE, CSE and IT with total intake of 240. The institute has been encouraged and supported constantly by the public around the region since its inception. The institute is established with the state of the art infrastructural facilities and well experienced & qualified faculty. The institute got sanctioned with Mechanical Engineering in the year 2010 and Civil Engineering course in the year 2011 respectively. The institute is blended with academics as well as co-curricular and extra curricular activities to its excellence. The details of intake in each academic year is furnished in the below table.

Course	2008-	2009-	2010-	2011-	2012-	2013-	2014-	2015-
ECE	60	120	120	120	180	180	180	180
EEE	60	60	60	60	60	120	120	120
CSE	60	60	60	60	120	120	120	120
IT	60	60	60	60	60	--	--	--
ME	--	--	60	60	60	120	120	120
CE	--	--	--	60	60	60	60	60
Total	240	300	360	420	540	600	600	600

THE HUMAN RESOURCES:**01. FACULTY:**

The academics and all the related activities are well planned and organized by efficient and dedicated 160 faculty members. In which 17 faculty with Ph.D, 5 with M.Phil.,and 138 with P.G degree in accordance with AICTE and JNTUK norms. The college has a faculty student ratio of 1: 15 to its feather of excellence.

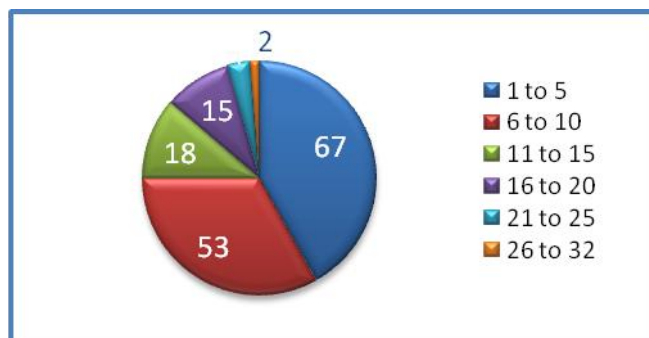


Figure 1. Faculty Experience Chart.

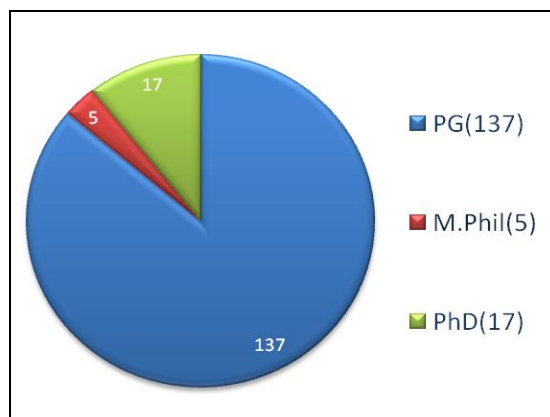


Figure 2. Faculty Qualification Chart

The institute adopts exclusively designed methods for recruitment of new faculty. Appropriate methods are implemented for self appraisal of the staff. Faculty members are exposed to in-house training programs along with well planned faculty development programs delivered by eminent professors and resource persons to make them in par with present day technologies and teaching methods.

02. THE STUDENTS:

Students are admitted into the college as per guidelines of AP State Council for Higher Education (APSCHE). Seventy percent (70%) of the seats which come under Category-A are allocated by convener, EAMCET based on their rank in EAMCET and intermediate marks. The remaining 30% of the seats come under Category-B (Management / NRI quota) are filled by the Institute as per the guidelines given by the APSCHE and the Govt. of Andhra Pradesh. Along with these seats an additional 20% of the sanctioned intake for each program for admission into the II year in UG courses will be filled by the convener of ECET. Admissions into all the

courses are based on the reservation policy directed by the Govt. of Andhra Pradesh.

The student community comprises of both rural and urban background, coming from different regions belonging to different categories.

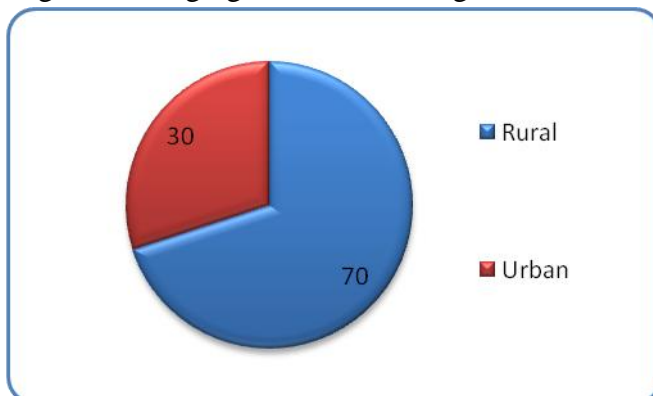


Fig.3 Distribution of students based on region

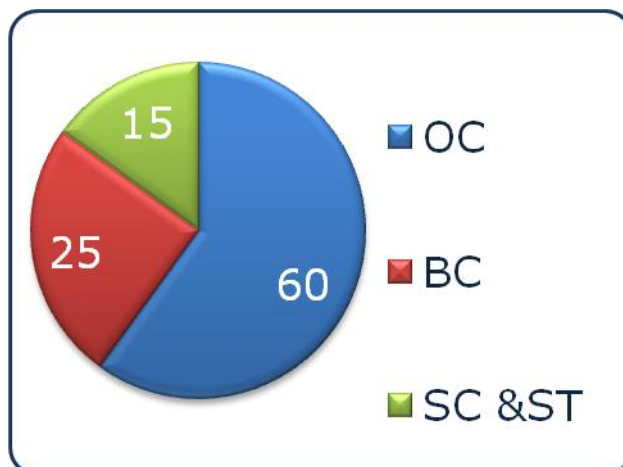


Fig 4.Distribution of students based on category

THE INFRASTRUCTURE:

The college has sprawling spread over campus of 15.3 acres with three RCC buildings possessing total built-up area of nearly 20,182 sq.m well defined instructional area covering spacious class rooms, excellent laboratories, seminar halls for each department. The college is sufficient with administrative office area, amenities area and circulation area which includes very good waiting halls for boys and Girls. The College is having huge playgrounds to facilitate games and sports separately for girls and boys in the events like cricket, basket ball, Kho-Kho, volley ball etc. Separate space is provided in the main building for playing indoor Games.

S no	Name of the facility	Number of rooms	Area in Sq. meter
1	Class rooms	40	3758
2	Tutorial rooms	10	418.2

3	Drawing halls	2	385
4	All laboratories	21	4941.33
5	Seminar halls	3	839.14
6	Conference rooms	1	50
7	Computer Centre	8	1582.06
8	Central Library	1	685.69
9	Digital Library	1	101.17
10	Work shop	1	304.47
TOTAL			13065

Library:

The college has a central library with carpet area of **685.69** sq.m added with a digital library of 101.17 sq.m area with all modern facilities. The library has 3,266 titles, 19,246 volumes, 400 CD's, 700 e-journals and 73 print journals. The library also provides e-learning facility, digital library with Wi-Fi facility, reading room and reference section. All the library operations are computerized so that students and staff can check the status of available books online from any place. It is also registered with DELNET for online journals since inception.

Computers, LAN and Internet:

The college has well equipped computer centers with highly configured computers. Local Area Network provides connectivity to all the computers for offline and online applications. 40 Mbps Internet facility and Wi-Fi facility with 12 Mbps broadband is available in the campus as well as in girls and boys hostels. The college has 550 systems with a computer student ratio of 1:4. The college has its own website, tmeconrt.org designed and maintained regularly by faculty members of our CSE department.

Institution Profile

- Tirumala Engineering College is a vibrant venture of Venkata Ramana Charitable trust set up by Tirumala Milk Products Pvt. Ltd. in the year 2008 and Positioned on a sprawling site of 15.3 acres and trucked between parallel running railway and state highway, girdled by a vast green belt, winning applause as a leading light in engineering education since the inception.
- Our Institution is approved by AICTE, New Delhi, affiliated to Jawaharlal Nehru Technological University, Kakinada and certified for ISO 9001: 2008 and it is applied for both NAAC and NBA.
- Consistently placing our students in National / Multinational companies right from 2011-12 onwards through Co-Cubes , AMCAT and Campus drives.
- Dedicated in-house training and placement cell with 200 high end computers and Air Conditioned auditoriums of 500, 300, 200 Capacities.
- Equipped with E-learning rooms with audio and Visual facilities for all the departments to impart practical knowledge and to bridge the gap between industry and academics.
- MOUs with prominent organizations for Technical and Non Technical training, campus recruitment, research and development activities.
- Qualified and ratified faculty with an integrated experience of teaching, research and industry.
- Achievement of various Awards for our student projects, conference papers at premier institutions like IIT's and NITs.
- Well equipped laboratories with latest technology and modules.
- Centralized Air Conditioned Library and Digital Library with NPTEL Videos and lectures from renowned academicians.
- Broadband internet facility of 40 Mbps and electronic surveillance for 24X7.
- Implementation of Green Channel System (PA System) to each and every corner of the Institution and bio metric attendance.
- Campus girls hostel of capacity 200 with wi-fi, mineral water, uninterrupted power with renewable energy system (solar).
- Separate play grounds for boys and girls and campus guest house.
- Huge transportation fleet (30 buses) covering all the surrounding places running with minimal charges and its free of cost to the staff members.
- Usage of mobile phones and bikes are prohibited for students in the campus.
- Entire campus lighting with Solar System.

Management Philosophy:

What actually impelled the Tirumala Dairy Management to start an engineering college was their compelling sense of social responsibility for the children of the farmers. The college is run by dedicated professionals. The college is promoted by members whose roots are from rural areas. The college was established with a view to provide technical education opportunities mainly to the children of farming community. Every pie that accrues from the college is being ploughed back into the college development and

student welfare. Management members who are financially sound have established a trust to aid the college for financial contingency if any in the future.

Training facilities:

- 1) Dedicated trainers for continuous in-house training in aptitude, reasoning and soft skills from second year onwards.
- 2) Training and tests through latest software modules from Globarena, KVAN and Reference Globe etc.
- 3) Training in soft skills is provided by expert trainers from reputed organizations like Triumphant, Globarena etc.
- 4) Corporate trainers are invited to impart necessary skills required by the Industry.
- 5) Guest lectures by industry experts and academic experts from IITs and premier universities in the latest areas of engineering more often.
- 6) Conducting workshops and faculty development programmes on themes such as Professional Ethics, Personality Development and cross – cultural communication in every semester.
- 7) Projects from national and international journals of IEEE/IETE/IE for students.
- 8) Each department conducts national level symposia and technical fests every year for necessary exposure and hands-on experience.

Motivational Activities:

- 1) “Best Teacher” awards are given by the management every year on 5th September (Teachers Day) taking the student’s feedback and other factors into consideration.
- 2) Encouraging the faculty to publish research papers in National and International Journals and conferences.
- 3) Industrial tours are organized every year to the industrial hubs across India.
- 4) Inter-college competitions are conducted in cultural, literary and sports activities to give fillip to students in those areas.
- 5) Faculty members who wish to pursue research studies and any certification programmes are encouraged and assisted.
- 6) Interactive sessions are arranged with industry magnates.
- 7) Free transportation and subsidized rates in canteen for the faculty.
- 8) Students are encouraged to do innovative projects with required financial assistance from organization.
- 9) Topmost priority is given for discipline in the campus.
- 10) Best student Award will be given every year on Annual Day.
- 11) Gold and Silver medals will be given to the Toppers every year.

Community service Activities:

- 1) Students run a voluntary organization designated “Helping Hands” to support the needy ones.
- 2) Funds are raised by means of voluntary donations by students. Service activities are carried on by a committee of students under the guidance of faculty members.
- 3) Students are involved in service activities during national calamities like floods and cyclone.

- 4) A faculty member (counselor) is arranged for a group of 20 students to enhance the right attitude among them. Regular counseling sessions are held for them to help them out of their complex problems. Advice is also sought from expert sources when it is found necessary. Counseling records are maintained regularly and parents are kept informed of their wards' problems, for their co-operation.
- 5) Service activities like Blood donation camps are regularly arranged and our NSS adopted three villages namely Jonnalagadda, Satuluru and Ponugupadu.

Specific Achievements:

- 1) Securing first position in both admissions and results since inception and secured 13th position in the first year itself (JNTUK, Kakinada)
- 2) Rated as the best ION Campus by TCS.
- 3) Nodal center for conducting recruitment test for banks and government organizations.
- 4) Our students are 3 times Gold Medal Winners in Sports at JNTUK and bagged first prizes in various conferences for so many times.
- 5) Conducted a mega Eye Camp of 600 surgeries in association with Sankar Eye Hospital, Guntur.
- 6) Nearly 50 publications in reputed Journals like Elsevier, IETE, Springer etc by our faculty.
- 7) In-House Projects of worth 5 lacs by our own technicians like Solar Tracking system, Electronic Display etc.

Many numbers of students were placed in various Multinational companies like Capgemini, Open text, Mphasis, Mind tree, Polaris, Genpact, Cadeplay, NTT Data, Tata Consultancy Services etc..

Statistics of Placement:

Academic Year	No of Students Placed	Details of some companies visited	Remarks
2013-14	270	Micro Root, Lader, Sutherland, HCL Technologies etc.	--
2014-15	212	Vision Tech, Kochar Infotech, NTT Data, Open text, Value Labs, Polaris etc	--
2015-16	85	NTT Data, Mind Tree, Capegemini, TCS, IVTL, Jasmin Infotech, Accel Frontline etc.	Recruitment in Progress

Details of Placements during 2014-15

S.NO	NAME OF THE COMPANY	NUMBER OF STUDENTS PLACED
1	NTT DATA Global Delivery Services	1
2	POWERICA LIMITED Service	4
3	Mphasis India	2
4	OpenText	1
5	Mindtree Ltd.	2
6	L&T	1
7	Tech Mahindra	1
8	Capgemini	1
9	IVRCL	3
10	Polaris	10
11	Dharani infotech	7
12	ValueLabs LLP,	6
13	Visiontek	2
14	T CS	3
15	Data Logic india pvt ltd	2
16	Precision engineering	10
17	Ikraft	5
18	Vee Technologies	20
19	Knoah solutions	3
20	Aqua pure plus pvt ltd	3
21	Inyxa Information Systems Pvt. Ltd.	2

Details of Placements during 2015-16

Companies visited	No of students Placed
NTT DATA	95
MIND TREE	
CAP GEMINI	
TCS	
IVTL	
JASMIN INFO TECH	
ACCEL FRONT LINE	
CLOUD MACHINE	
PUZZOLANA	

PROFILE OF THE COLLEGE

1. Name and address of the college

NAME	:TIRUMALA ENGINEERING COLLEGE
ADDRESS	:JONNALAGADDA, NARASARAOPET
DISTRICT	:GUNTUR
PIN	:522601
STATE	:ANDHRA PRADESH

2. For communication:

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Dr.Y.V.Narayana	08647-218164	9248752999	08647-218164	tecnrt@gmail.com
Vice-Principal	Dr.N.Srinivasa Rao	08647-21985	9443493666	--	tecnrt@gmail.com
Head, Dept of ECE	Dr.M.Mahesh	08647-218221	9248737444	--	ece@temecnrt.org
Head, Dept of ME	Dr. K. Raghu Ram Mohan	08647-219083	9246973888	--	mech@temec
Head, Dept of EEE	Mr.Prasannanj aneyuluu	08647-21985	9248443456	--	eee@temecnrt.org
Head, Dept of AS&H	Dr.T.Kiran Kumar	08647-21985	9248750222	--	tecnrt.ash@gmail.
Head, Dept of CSE	Dr.B.Bhanu Prakash	08647-219083	9440081856	--	cse@temecnrt.org
Dept of CSE	Dr.R.Gandhi Raja	08647-219083	9443544931	--	cse@temecnrt.org
Dept of AS&H	Dr.G Srinivasa Rao	08647-21985	9885762308	--	tecnrt.ash@gmail
Dept of AS&H	Dr.N.Vijaya	08647-21985	7382003881	--	tecnrt.ash@gmail.

3.Status of the Institution:

Affiliated College	√
Constituent College	-
Any other (specify)	-

4.Type of Institution:

a. By Gender

i)	For Men	
ii)	For Women	-
iii)	Co-Education	√

b. By Shift

i)	Regular	√
ii)	Day	-
iii)	Evening	-

5. It is a recognized minority institution?

Yes	-
No	√

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

6.Sources of funding:

Government	-
Grant-in-aid	-
Self-Financing	√
Any Other	-

7.a. Date of establishment of the college: 24.9. **2008**

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

Jawaharlal Nehru Technological University (JNTUK), Kakinada

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	--	Applied for the status
ii. 12 (B)	--	Applied for the status

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

Under Section/ clause	Recognition / Approval details Institution / Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i.	F.No South-Central/1-2450653853/2015/EOA	07/04/2015	2015	
ii.	Proc.No.B1/Affi/Tirumala EC/2015-16	30/12/2015	2015	
iii.	F.No South-Central/1-2813209078/2016/EOA	05/04/2016	2016	

(Annexure – II: AICTE Approval Letter)

(Annexure – III: JNTUK Affiliation Approval Letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes No

If yes, has the College applied for availing the autonomous status?

Yes No

9. Is 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 performance by any other governmental agency?

Yes No

If yes, Name of the agency

and

Date of recognition: (dd/mm/yyyy)

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

Location*	Rural
Campus area in sq. mts.	61916.9
Built up area in sq. mts.	20,182

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

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

➤ Auditorium/seminar complex with infrastructural facilities

➤ **Sports facilities**

- Play Ground
- Swimming Pool
- Gymnasium

Hostel facility

Boys Hostel (Narasaraopet)	
i. Number of hostels	1
ii. Number of inmates	60
iii. Facilities (mention available facilities)	Generator Television Reading Room Solar Geyser Indoor Games Wi-Fi
Girls Hostel(Campus)	
i. Number of hostels	1
ii. Number of inmates	73
iii. Facilities (mention available facilities)	Generator Television Reading Room Solar Geyser Indoor Games Wi-Fi

➤ Residential facilities for teaching and non-teaching staff (give numbers available cadre wise)

Working Men – Yes

Working Women -Yes

➤ Cafeteria — **Yes**

➤ Health centre – **Yes**

Health centre staff –

Qualified Doctor

Full Time

Part Time

Qualified Nurse

Full Time Part Time

- Facilities like
 - Banking - No (SBI is just 3 km away in Jonnalagadda)
 - Post office - No (Jonnalagadda Post-Office just 3 km away)
 - Book Shops - Co-operative store is available in the college.
- Transport facilities to cater to the needs of students and staff – **Yes**
30 buses connecting all surrounding regions with free Transportation to staff
- Animal house - NO
- Biological waste disposal - **Yes**
- Generator or other facility for management/regulation of electricity and voltage - **Yes**
(generator, uninterrupted power supply, solar energy)
- Solid waste management facility – yes
- Waste water management - yes
- Water harvesting – Yes

12. Details of programmes offered by the college
(Give data for current academic Year)

S.No	Programme Level	Name of the Programme / Course	Duration in Year	Entry Qualification	Medium of instruction	Sanctioned Students Strength	Number of students
1	UG	B.Tech. - ECE	4	EAMCET	English	180	177
2	UG	B.Tech. – EEE	4	EAMCET	English	120	27
3	UG	B.Tech - CSE	4	EAMCET	English	120	120
4	UG	B.Tech. Mech.	4	EAMCET	English	120	79
5	UG	B. Tech. CE	4	EAMCET	English	60	54

13. Does the college offer self-financed Programmes?

Yes No

If yes, how many?

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

S. No.	Program	Name of the course	Year	INTAKE
1.	UG	B.Tech. - Civil Engineering	2011	60

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

Faculty	Departments	UG
Engineering	Department of Civil Engineering	B.Tech
	Department of Computer Science & Engineering	B.Tech
	Department of Electronics & Communication Engineering	B.Tech
	Department Electrical & Electronics Engineering	B.Tech
	Department of Mechanical Engineering	B.Tech

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

- a. annual system - NA
 b. semester system - NA
 c. trimester system - NA

17. Number of Programmes with

- a. Semester Based Credit System
- b. Inter/Multidisciplinary Approach
- c. Any other (specify and provide details)

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

Yes No

If yes,

- a. Year of Introduction of the programme(s).....
(dd/mm/yyyy) and number of batches that completed the programme
- b. NCTE recognition details (if applicable)
Notification No.: Date:
..... (dd/mm/yyyy)
Validity:.....
- c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes No

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

Yes No

If yes,

- a. Year of Introduction of the programme (s).....
(dd/mm/yyyy)
and number of batches that completed the programme
- b. NCTE recognition details (if applicable)
Notification No.:
Date: (dd/mm/yyyy)
Validity:.....
- c. Is the institution opting for assessment and accreditation of Physical Education Programme separately

Yes No

20. Number of teaching and non-teaching positions in the Institution

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 Management/society or other authorized bodies <i>Recruited</i>	10	1	27	1	80	40	32	3	15	1

*M-Male *F-Female

21. Qualifications of the teaching staff:

A) permanent Faculty

Qualification	Professor		Assoc. Professor		Asst. Professor		Total
	Male	Female	Male	Female	Male	Female	
PhD	9	1	3	--	--	1	14
M.Phil	--	--	--	--	4	2	6
PG	--	--	18	2	58	29	107
Total							127

B) Adjunct Faculty

Qualification	Professor		Assoc. Professor		Asst. Professor		Total
	Male	Female	Male	Female	Male	Female	
PhD	1	--	--	--	1	--	2
PG	--	--	16	--	15	--	31
Total							33

Total Faculty (A+B) =160

22. Number of Visiting Faculty /Guest Faculty engaged with the College. Departments invite eminent professors from IIT, IIIT, NIT professors regularly And organizes guest lecturers for students: Nil

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

Categories	Year1 2012-13		Year 2 2013-14		Year 3 2014-15		Year 4 2015-16	
	Male	Female	Male	Female	Male	Female	Male	Female
UG Program								
SC	39	28	47	24	37	25	43	25

ST	17	7	22	4	14	10	12	9
OBC	199	98	205	97	157	77	155	92
GENERAL	159	87	151	56	157	82	132	70
PG MCA Program								
	Year 1 2012-13		Year 2 2011-12		Year 3 2010-11		Year 4 2009-10	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	4	2	1	0	3	2	5	2
ST	0	0	0	0	1	0	0	0
OBC	38	19	11	7	15	9	15	6
GENERAL	42	19	17	7	11	6	10	7

24. Details on students enrollment in the college during the current academic year (only first year and lateral entry students who got admission in this academic year)

Type of students	UG (total four years students of)	PG (Total 2 years students of PG 15-16)	M. Phil.	Ph. D	Total
Students from the same state where the college is located	484	NA	----	----	484
Students from other states of India	----	----	----	----	-
NRI students	--	-	----	----	----
Foreign students	--	-	----	----	----
Total	--	-	----	----	----

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

UG

PG

26. Unit Cost of Education

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

(a) including the salary component

Rs. 48,692.00

(b) Excluding the salary component

Rs. 21,452.00

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

Yes

No

If yes,

a) is it a registered centre for offering distance education programmes of another University

Yes

No

b) Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes

No

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

S.No	Name of the Program	Faculty Student ratio
		UG
1	Department of Civil Engineering	1 : 15
2	Department of Computer Science and Engineering	1 : 15
3	Department of Electronics and Communication Engineering	1 : 15
4	Department of Electrical and Electronics Engineering	1 : 15
5	Department of Mechanical Engineering	1 : 15
6	Department of Mechanical Engineering	1 : 15

29. Is the college applying for

Accreditation : Cycle 1

Cycle 2

Cycle 3

cycle4

Re-Assessment:

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)

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

Cycle 1:NA.....

(dd/mm/yyyy) Accreditation

Outcome/Result..... Cycle 2:

..... (dd/mm/yyyy)

Accreditation

Outcome/Result..... Cycle 3:

..... (dd/mm/yyyy)

Accreditation

Outcome/Result.....

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

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

216

32. Number of teaching days during the last academic year

192

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

33. Date of establishment of Internal Quality Assurance Cell
IQAC.....16/03/2015

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

to NAAC. NA

AQAR (i) (dd/mm/yyyy)

AQAR

(ii) (dd/mm/yyyy) AQAR

(iii) (dd/mm/yyyy) AQAR

(iv) (dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include.
(Do not include explanatory/descriptive information)

CRITERION I**CURRICULAR ASPECTS****1.1 Curriculum Planning and Implementation****1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.**

Tirumala Engineering College (TEC) was established in 2008 as a private, self financing institution in a rural setting in Andhra Pradesh. The institution was established with the noble idea of instructing technical education and imparting skills and knowledge to the students.

Vision of the Institute:

To be a world class leader in transforming lives through an innovative, rigorous and compassionate approach by imparting high quality academic excellence in technical education to uplift the living standards of the rural youth by promoting the cutting edge technologies, employability, higher education and research with socio-technical, eco-friendly and entrepreneurial values.

Mission of the Institute:

To develop high quality technical personal with a sound footing on basic engineering principles, innovative capabilities and exemplary professional conduct to lead and to use technology for the progress of mankind, training and adepting them to changing technological environment by proving the high quality instruction, infra, faculty, effective training and learning methods imbibing socio-ethical, eco-friendly and entrepreneurial values as the inner strength for the rural development.

Quality Policy

We, at TIRUMALA ENGINEERING COLLEGE, strongly believe that quality is the essence of life, hence, TEC will constantly strive to improve the quality of education and training imparted to its students by establishing the state-of-the-art laboratories and modernizing them continually, upgrading the knowledge and skills of its staff periodically and developing strong linkages with industry.

The objectives of the Quality policy of the institution are as follows:

1. To Plan and execute novel Teaching & Learning Processes.
2. To Provide Quality Education resulting with innovative trends in Engineering & Technology.
3. To develop the college into a global institute of learning and research of academic excellence.
4. To Strive at establishing an effective Quality Management System ensuring continuous performance improvement.
5. To train and extend human resources by encouraging faculty to work as a team and to update their knowledge and skills continually to compete the needs of Industry.

With a view to build a strong linkage between the Institute and all the stakeholders, industry, students, parents, faculty members, members of non-teaching staff, alumni members, sponsors and donors – the college does its best in taking every

possible step to disseminate its Vision and Mission to the fore-front. The details are listed below.

Publication of Mission and Vision

Mission and vision statements are displayed in the classrooms, laboratories, staff rooms, corridors and office of the departments including department notice boards.

Mission and vision statements are significantly published in each department's home page of the college website which is frequently viewed by all stakeholders of the programme.

They are also published in the department digital magazine, news letter and the college brochure which is released once in a year.

Dissemination of Mission and Vision

All the stake holders are informed about the vision and mission statements before they are published in the college website. The vision and mission statements of the institute and departments widely disseminated in the class rooms, notice boards, library, laboratories, corridors and institute news letter.

Students:

Vision and Mission statements are explained to students at the time of their admission during the introduction programme.

During all significant events organized in our college, the institution stresses the importance of the vision and mission of our esteemed organization.

Parents:

During the introduction of the students and their parents to our college, parents are also explained about concerned department's vision and mission.

Faculty and Staff:

The vision and mission of the college is explained to all members of the Teaching and Non-Teaching community during the staff orientation programmes which are conducted at regular intervals and also for every new faculty recruited in our college.

Alumni Members:

During the annual alumni meeting the vision and mission statements are recited, thereby enabling the Alumni members to remember them.

Governing Body:

The mission and vision of the college is conveyed to the governing body members every year.

Employers:

When employers visit the campus for placements, and when the placement cell approaches the employers, the college brochure containing the vision and mission is provided to them.

Professional Bodies:

While organizing events under professional bodies, the brochures that are to be sent to the professional bodies are designed to carry the college vision and mission statements.

Sponsors and Donors:

The college brochure, containing vision and mission and other events organized in the college, is distributed to the sponsors/donors for the monetary benefit.

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

The institution devised action plans for the effective implementation of the curriculum, prescribed by the JNTU-K. As part of the planning, Head of the Departments and senior members of the faculty conduct meetings to formulate strategies to implement the curriculum. Teachers are oriented to implement the plan. They are also encouraged to use innovative teaching methods such as presentations, assignments, group discussions, seminars, video lectures, NPTEL Video Lectures etc apart from traditional lecture method. At regular intervals the Heads of the Departments organize brainstorm sessions for the faculty to follow up perfectly the university curriculum. The details are given below:

During the subjects allocation to the faculty, the qualifications of the faculty, their specialization, experience and their willingness is taken into the consideration.

Teachers prepare Teaching plans (Lesson plans) for the subjects they deal and the laboratory sessions they conduct. The academic schedule is strictly followed as per the academic calendar given by the affiliating university. The contents of the course file to be prepared by the faculty are given below:

Lesson plans prepared by the faculty which include

COURSE FILE	
1	Individual Time Table
2	Syllabus Copy
3	Course Plan
4	Lesson Plan
5	Previous Question Papers
6	Unit-Wise Material
7	Unit-Wise Important Questions
8	Mid Exam Question Paper&Scheme of Evaluation
9	Online Bits
10	Unit-Wise Model Slip Test Question Papers
11	Sample Assignments
12	Additional Material(Beyond the Curriculum)

- A copy of the curriculum is distributed to all the students.
- The academic calendar is also issued to the students. The calendar is followed, with minor changes whenever required to cater to the local situations.
- Academic schedule is prepared for the semester based on the guidelines given by JNTU Kakinada.
- The academic schedule includes details like unit starting and ending, assignment submission, internal assessment test, question bank and solved tutorial problems and college functions etc.
- The progress of syllabus coverage is monitored periodically by the concerned Heads of the Departments and the Principal.
- The Class attendance registers are maintained by faculty members contains entries like class wise student attendance, topics covered, slip test and quiz marks, assignment mark, seminars handled. The attendance registers are regularly scrutinized by the HOD and Principal.
- In addition to the curriculum, students are facilitated the latest developments in their respective fields through guest lectures by the academicians from the premier institutions, industry experts and industrial visits etc.
- Periodical feedback is obtained from the students to enhance the teaching-learning process.
- Regular Class Review Committee meetings are held by the Head of the Department to review the teaching learning process, academic progress of the students, grievances if any, and suitable remedial measures are taken whenever required.

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

The Institute follows the curriculum prescribed by the Jawaharlal Nehru Technological University, Kakinada. The university prescribes the syllabus, recommends text books, and reference books for ready reference. Sufficient time is allowed to complete the entire syllabus. The curriculum is delivered to the students after effective discussion through critical evaluation and appraisal by the teachers concerned. The institution encourages the faculty for the updation to meet the syllabus changes by refresher courses. The college provides textbooks, reference materials like journals, magazines and software to enable its teachers to ensure efficient delivery of curriculum. The Institution supports the procedure of enhancing the ability of the teachers to effectively implement the curriculum in the following manner.

- Class rooms with proper ventilation, sufficient lighting, fans, AC's, LCD projectors, Computer and sufficient number of tables, chairs based on students' strength.
- The college encourages the faculty to pursue higher studies through the Quality Improvement Programmes and to take up the research work individually.

- The college also arranges lectures on research methodologies by eminent academicians to promote research activities in the departments and also enrich their delivery of integrating research aspects of the subjects.
- The college procures textbooks suggested by the faculty members and subscribes to various journals and technical magazines to aid the delivery of the curriculum in an effective manner.
- Center of Excellence for e-resource development and deployment (CoEeRD) has been effectively used to address the changes in learning trends in engineering education.
- Classroom lectures of various courses in the curriculum are supplemented with NPTEL lectures.
- Advanced teaching aids such as smart classrooms, audio and video facilities, technical video resources (video CDs, DVDs) are provided for effective delivery of the subject to the students.

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

- The academic calendar with necessary instructions, all norms and procedures of assessment is given to every student at the beginning of the semester.
- The college provides question banks, e-books and previous question papers.
- Highest importance is given to maintain transparency in assessment of student's academic performance.
- Frequent Industrial visits to nearby industries are arranged to provide practical exposure to the students on the subjects in the curriculum.
- Students are encouraged to participate in various intra collegiate and inter collegiate technical and cultural competitions.
- Students are sent to various industries for the internships/trainings/ projects.
- Students are sent to premier institutes to participate in the symposiums and received prizes.
- The departments conduct workshops, seminars, group discussions, and technical quiz to impart the knowledge effectively in student's minds.
- The college organizes guest lectures on various subjects by inviting faculty from various fields to share their knowledge.
- Remedial classes are conducted for slow learners in every subject to bring them on par with the other students.
- T&PC(Training & Placement Cell) of the institution will provide necessary training in technical and general aspects for the employability of the students.
- The college has 2 KVA solar power plants apart from the two generators (125 KVA and 62.5 KVA) to ensure uninterrupted power supply.
- Our institution believes that encouraging the students for innovative ideas which include the solar tree, quad bike, multi power hack saw and artificial transmission of day light system.

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

The Institute interacts frequently with the Industry for effective translation of curriculum to the practical applicability, which the industry expects. Regular programmes are organized by the Institute in association with industry to train the faculty in these aspects which in turn will be transferred to the students. The experts from industry and academy are nominated as members of advisory committees and their suggestions and recommendations to the curriculum. The faculty members and the students will be interacting with the various research bodies through various chapters like IETE, CSI etc., various events like seminars, conferences will be organized under the aegis of these chapters and thus they will have interaction with outside world.

The Institute has a Training and Placement Cell which interacts with the industry representatives to know about the emerging opportunities. Professionals from the industry interact with the students regularly to inform about their career opportunities and challenges. Periodical industrial visits and technical educational tours are organized for the students to help them in bridge the gap between academics and the industry needs.

Industry Academic Interface

Professionals from Industry are invited to interact with the students and provide inputs in the emerging trends in IT Sector, Power Generation, Radars, Solar Energy, Product Development, Structural Engineering, and Environmental Engineering etc.

Placement Cell

Companies and corporate houses of repute are invited for the recruitment. MoU's are signed up with the leading industries (CADD CENTRE, AMCAT, COCUBES and NELCAST) for better industry institute interaction.

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

Suggestions for improvements will be communicated to the Board of studies of JNTUK Kakinada. As an affiliated Institute, we follow the curriculum designed and prescribed by the JNTU, Kakinada. The suggestions made by stakeholders are interpreted and conveyed to the University for Consideration in its Board of Studies meetings. The college encourages for conducting additional lab experiments in addition to the ones prescribed in the syllabus. In theoretical subjects, additional concepts are added and they are explained in a detailed manner to fill the curricular gap on recommendations of analysis committee to enrich the students' basic knowledge.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If ‘yes’, give details on the process (“Needs Assessment”, design, development and planning) and the courses for which the curriculum has been developed. : No.

The scope is limited as the college is affiliated to JNTU, Kakinada; we bound to the syllabus prescribed by the university. However, timely modifications are made to meet the global trends through curriculum update, projects, industrial visits, guest lectures, workshops, faculty development programs, participation in seminars, symposiums, Technical fests, National and International conferences by students and faculty. Certification courses and add-on courses are the efforts to supplement the gap in learning and to add value to existing courses. Through CADD CENTRE students are learning the advanced 3D modeling with UGNX package in the college. Department of English which is a part of S&H prepared their own curriculum for Spoken English and Communication Skills. Personality development classes are also organized in the college frequently by internal and external experts.

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

The college is maintaining communication with all the stakeholders to ensure the implementation of the objectives mentioned in the curriculum. The following methods are followed to monitor the implementation.

Feedback: Feedback is taken from students about their teachers.

Reviews: Student Performance is reviewed periodically.

Students Performance: Analysis of the student performance in the University examination is conducted.

Quality of Placement: Quality of Placement is evaluated on the basis of the number of placements every year.

Enhancement of teaching-learning process: Regular enhancement of teaching-learning skills by with the theory inputs are achieved through participation in national and international workshops, seminars, conferences, discussions etc., by the faculty members.

Achievements of faculty: Up-gradation of qualifications pertaining to the areas of specialization, paper presentations and publications in peer reviewed journals by the faculty members are considered as achievements of faculty.

In-house Research activities: Minor and major projects undertaken gives the impetus for the in-house Research activities.

Overall Performance of the Institution: University results and top ranks are obtained at University level by participating in various cultural and sports activities, competitive exams. Progress of alumni is used as the parameter to evaluate the overall performance of the Institution.

Extension Activities:

Students are encouraged to participate in Social Service Activities in and around the college to have social awareness.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the courses etc., offered by the institution.

To make the students placement ready, the institute is in association with companies enhancing the technical skills like 3D advanced modeling through CADD CENTRE, for the present industry needs. Enriched skill development course is offered to every student to meet the demands of the corporate sectors. These programmes are conducted in the college and students are encouraged to acquire certificates from these companies which is an added advantage to them during job search.

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

No.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond: • Range of Core / Elective options offered by the University and those opted by the college •Choice Based Credit System and range of subject options •Courses offered in modular form. •Credit transfer and accumulation facility •Lateral and vertical mobility within and across programmes and courses •Enrichment courses

Campus Recruitment Training (CRT), is mandatory for all the courses, which enhance the employability skills among the students. Soft skills classes are designed in the regular class schedule in addition to the prescribed curriculum. The Institute has a separate system to support the students who appear for various competitive examinations for Higher Education. In-house training in aptitude and reasoning is provided to appear for any competitive examination in public and private sectors. Students from outside neighboring colleges can also appear for online examinations using internet facilities at our institution.

Range of Core / Elective options offered by the University and those opted by the college

In accordance with the curriculum of the JNTUK, Kakinada, the students must register for all the core subjects prescribed. All the students have the choice of selecting elective Subjects from the list of subjects offered by the University. The elective subjects offered are based on the latest technological trends and industrial needs so that at the end of the programme, the student will be conversant with those advanced topics and will be ready to meet the needs of the industry. For each of the elective subjects, the students have a range of 5 to 6 subject choices for all the programs offered. Along with the core and elective papers 2 labs in R10 and 4 labs in R13 are mandatory for each programme. For example, the table below explains the range of electives available in the JNTUK syllabus and those offered by the department of Electronics and communication Engineering.

Electives Offered by the University	Electives opted by the College
<p>Elective I</p> <p>Elective – I</p> <ol style="list-style-type: none"> 1. Electronic Switching Systems 2. Analog IC Design 3. Object Oriented Programming & O S 4. Radar Systems <p>Advanced Computer Architecture</p> <p>Elective II</p> <ol style="list-style-type: none"> 1. Optical Communication 2. Digital IC Design 3. Object Oriented Programming & O S 4. Speech Processing 5. Artificial Neural Network & Fuzzy Logic Network Security & Cryptography <p>Elective III</p> <ol style="list-style-type: none"> 1. Satellite Communication 2. Mixed signal Design 3. Embedded systems 4. RF Circuit Design 5. Cloud Computing <p>Elective IV</p> <ol style="list-style-type: none"> 1. Wireless Sensors and Networks 2. System on Chip 3. Low Power IC Design 4. Bio-Medical Instrumentation 5. EMI/EMC <p>OPEN ELECTIVE</p> <p>Open Electives:</p> <ol style="list-style-type: none"> 1. Bio Medical Engineering 2. Fuzzy & Neural Networks 	<p>OPEN ELECTIVE:</p> <ol style="list-style-type: none"> 1. Bio Medical Engineering

R10

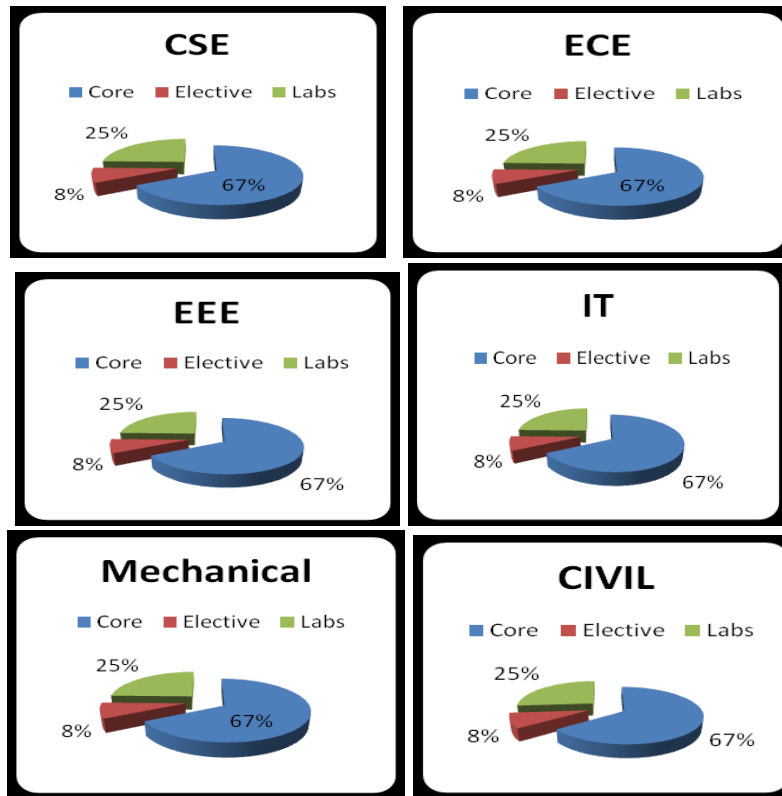
Electives Offered by the University	Electives opted by the College
Elective – I 1. Telecommunication Switching Systems 2. Analog IC Design 3. Object Oriented Programming Elective – II 1. Network Security & Cryptography 2. Satellite Communications 3. Digital Control Systems Elective – III 1. Operating Systems 2. Structured Digital Design 3. Wireless Sensor Networks Elective – IV 1. Analytical Instrumentation 2. Real Time Operating Systems 3. TV Engineering	Elective I Object Oriented Programming Elective II Satellite Communications Elective III Operating Systems Elective IV TV Engineering

Undergraduate Programmes R10

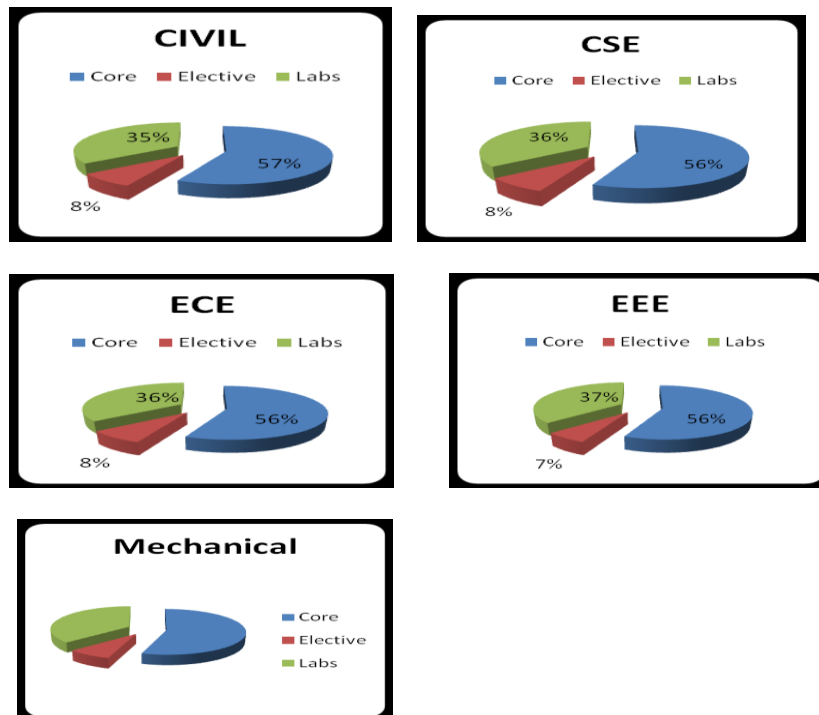
S. No	Programme	Semester	R10 credits		R13 credits	
			CORE	ELECTIVE	CORE	ELECTIVE
1	CIVIL	I	6		5	
		II	6		5	
		III	6		5	
		IV	6		5	
		V	6		5	
		VI	6		5	1
		VII	4	2	5	1
		VIII	1	3	1	3

2	CSE	I	6		5	
		II	6		5	
		III	6		5	
		IV	6		5	
		V	6		5	
		VI	6		5	1
		VII	4	2	5	1
		VIII	1	3	1	3
3	ECE	I	6		5	
		II	6		5	
		III	6		5	
		IV	6		5	
		V	6		5	
		VI	6		5	1
		VII	4	2	5	1
		VIII	1	3	1	3
4	EEE	I	6		5	
		II	6		5	
		III	6		5	
		IV	6		5	
		V	6		5	
		VI	6		5	1
		VII	4	2	5	1
		VIII	1	3	1	3
5	MECH	I	6		5	

		II	6		5	
		III	6		5	
		IV	6		5	
		V	6		5	
		VI	6		5	1
		VII	4	2	5	1
		VIII	1	3	1	3
6	IT	I	6		5	
		II	6		5	
		III	6		5	
		IV	6		5	
		V	6		5	
		VI	6		5	1
		VII	4	2	5	1
		VIII	1	3	1	3
7	MCA	I	5			
		II	5			
		III	5			
		IV	3	2		



Undergraduate Programmes R13



Choice Based Credit System and range of subject options

No.

Courses offered in modular form

Almost all the courses / syllabi are in modular form

Credit transfer and accumulation facility

No

Lateral and vertical mobility within and across programmes and courses

No. The students are given freedom to work in multi-disciplinary activities and projects. The institute provides academic flexibility to the students in terms of undertaking projects in associated departments and also in industries/ research organizations, thereby encouraging inter-disciplinary oriented work and also many of the practically relevant work with reference to the industry. They boost their academic and employment skills through the following:

- Additional lecture hours introduced for problem oriented and complex subjects
- Guest lectures given by eminent personalities in emerging areas from industry and also from reputed universities.
- Seminars by students
- Mini projects and industry based final year projects
- Industrial visits and technical tours
- Topics beyond curriculum
- Performing additional experiments than prescribed in the curriculum.

Enrichment courses

Enrichment courses in the form of seminars and workshops are offered to our students. Advanced courses are offered as electives during the higher semesters of UG Programme. The college offers Computer Aided Design courses through CADD CENTRE. Communication skills and soft skills programmes are conducted which is beyond the prescribed curriculum that has improved the employability of our students. These training classes are scheduled within the regular college working hours.

Skill development:

Soft skill training is specified to the students by the Internal Faculty right from 2nd year by the Training & Placement Cell.

Along with regular subjects, exclusive sessions are allotted in the class time tables to impart training in quantitative aptitude, reasoning ability, verbal ability and soft skills.

Academic mobility:

Electives are offered in Engineering programme in the 4th year. Students have the flexibility of selecting their interested subjects from the group of electives offered by the JNTU-K during 7th and 8th semesters.

Industrial visits are organized for the students during the 3rd year for understanding the applications of the knowledge they acquired and the emergence of latest technologies related to the academic curriculum.

About 30% of the faculty members of all the departments are members in various professional bodies like ISTE, IETE, IEEE, CSI and IEI.

Progression to higher studies:

In house GATE, GRE, TOEFL, PGECET, CAT, IELTS coaching classes by both internal and external subject experts are conducted by each department on regular basis.

Improved potential for employability:

To improve the capability for the job opportunity, the college arranges systematic and substantial training programmes and frequent mock tests to the students from pre-final year onwards by internal and external expert trainers.

The institute conducts online tests by external agencies like AMCAT and COCUBES which provides the platform for placements in reputed companies through these tests.

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

Since the college is affiliated to JNTU-K, all courses offered by college are self financed programmes.

Admission: Keeping in view the employment potential of these courses, proven merit is the main consideration in the eligible candidates. The eligible candidates are interviewed for their performance in creativity, innovation and skill development. Self-Financed Programmes offered by the Institution are (for the current academic year-2015-16):

Course	Intake
B.Tech (Civil Engineering)	60
B.Tech (Computer Science and Engineering)	120
B.Tech (Electronics and Communications Engineering)	180
B.Tech (Electrical and Electronics Engineering)	120
B.Tech (Mechanical Engineering)	120

Admission Process:

The admission policy of the college complies with the rules and regulations laid down by the Government the Andhra Pradesh for the different categories.

UG Programme:

1. Category –A: The EAMCET convener fills up 70% of the seats in the Institute by allotting the candidates to this Institute on the basis of their choice, their EMACET ranks and the reservation policy of the Govt of Andhra Pradesh, with 75% weight age to the Common Entrance test, 25% weightage to the marks obtained at the qualifying examination, viz the intermediate examination

2. Category –B: The remaining 30% of the seats are filled up by the Institute under the Management/NRI quota as per the guidelines given by the APSCHE and the Govt of Andhra Pradesh

3. Lateral Entry: The Convener of ECET admits 20 % of sanctioned intake for each program for admission directly into the II year of the 4-year B.Tech program from amongst the diploma holders, based on their rank in ECET, their choice of the Institute and the reservation policy of the Govt of Andhra Pradesh, under the lateral entry scheme.

PG Programme:

1. Category –A: The PGECET/ICET(MCA) convener fills up 70% of seats in the Institute by allotting the candidates to this Institute on the basis of their choice, their PGECET/GATE/ICET(MCA) ranks and the reservation policy of the Govt. of Andhra Pradesh.

2. Category –B: The remaining 30% of the seats are filled up by the Institute under then Management/Sponsored quota as per the guidelines given by the APSCHE and the Govt. of Andhra Pradesh for this purpose.

Curriculum: The curriculum is designed by JNTU Kakinada to which the college is affiliated. These new age courses have a sound, well-charted curriculum specially designed to meet the requirements in competitive scenario.

Fee Structure: For all the courses, both category A and Category B seats, the fees will be as fixed by the Admission and Fee Regulatory Committee constituted by Government of Andhra Pradesh

Teacher Qualifications and Salary: The Highly qualified and merit candidates with good research potential are appointed on regular/contractual basis as per UGC/State Government and AICTE norms to teach the specialized courses and give a boost to research activities.

Salary: Salaries are paid as per AICTE and UGC norms.

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

Yes, the institution offers skill development programmes to meet the regional and global employment markets. The programmes are:

- Soft skill development programs
- Guest lectures
- Workshops
- Quantitative, Logical and Analytical skill development program
- Industrial visits
- Projects
- Field extension activities

The above programmes are implemented with aim to ensure that the students are adequately skilled and are industry ready. While designing these additional programmes it is ensured that they suit the global employment market demands as well as the local demands.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

The university does not provide for such flexibility.

1.3 Curriculum Enrichment

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

To reach out to the goals and objectives, the institution has evolved additional inputs in the syllabi to face the current trends in competitive areas. The institute supplements the University’s curriculum to achieve institution’s goals and objectives by conducting following academic programmes:

- Workshops and seminars
- Experiments beyond syllabus in practical subjects.
- Long term training in soft skills
- Coverage of topics beyond the syllabus in theory subjects
- Long term training in quantitative, logic and analytical skills
- Training in computer based subjects
- Value added courses
- Guest lectures

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

The training and placement cell of the college regularly interacts with the HR managers of various companies and collects information about the demands and expectations of the corporate sector. Alumni feedback is taken periodically to understand the emerging market trend. The institution has taken measures to cater to the global market needs based on the true assessment of strengths and services offered on the campus. Brain storming sessions are conducted by the faculty members to design the tools in the areas of Spoken English, use of computers and providing in-depth knowledge in the respective subjects. Special training and regular brush up sessions in aptitude and reasoning are conducted to enable the students to achieve the global standards. The College is completely computerized from the administration to the academic levels. Computer labs are well equipped with latest computers. E-class rooms are available at the library. Computers, LCD Projectors have been used for effective communication and teaching.

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

TIRUMALA ENGINEERING COLLEGE has always actively responded to the needs of our society, socio-economical and political environment of the world. To integrate activities related to issues like gender, climate change, environment education, human rights, are conducted as part of the Political Awareness club of the college. The college adopts the curriculum designed by the university to develop competency, obtain employment and promote research among students and the teaching fraternity. The holistic approach the college has adopted towards the students led to increased opportunities in employment as well as in building new entrepreneurial development among the student community. Environmental Science is common to all the branches of college. The objective of this course is to learn about the nature and the facts about environment.

Gender Sensitization:

Women empowerment cell is established and it functions effectively through Higher Education. Seminars on Gender Equality are organized to create awareness about Gender issues and promote gender equality.

Climate change:

Extension seminars on Global Warming, Ozone layer depletion and Carbon emission are being organized to reach the message across the society.

Environmental Education:

The University prescribes —Environmental studies syllabus. A Seminar on “Environment Changes: A Global Concern” was organized to address profoundly urgent global issue and save environment. Awareness programmes on environmental issues are a regular feature. On the campus, Students are given inputs regarding the concept and taken to field extension activities as part of their assignments and project work. The College celebrates World Environment Day, Earth Day, Ozone Day and other relevant days to drive home the significance of preserving the environment.

Human rights:

Anti-Ragging cell and Women Grievance & Redressal Cell are active in the college campus. Professional Ethics and Human Values have been taught as a subject in the college.

ICT: The College has state-of-the-art infrastructure for imparting computer training. ICT is used in the curriculum of all courses and classes. This foundation of computers and technology training makes the students a part of global information system and enhances their employability.

Environment Consciousness:

College is keen in maintaining the environmental condition by:

- Harvesting Rainwater
- Plantation of saplings
- Solar Energy

Community Work:

Community developmental activities like blood donation camps, eye camp and AIDS awareness programmes are conducted in our campus as a means to contribute to community and national development.

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

- ❖ **moral and ethical values**
- ❖ **employable and life skills**
- ❖ **better career options**
- ❖ **community orientation**

Since the mission of the college is to ensure holistic development of students, the college offers the following value added programmes.

Moral and ethical values

Regular classes on Values and Ethics in profession are conducted as a part of the curriculum. Speakers are invited to address on different social issues.

Employable and life skills

Programmes are organized in the Institute on Stress Management and Yoga by qualified professionals.

Better career options

Separate training and Placement cell is being operated in the campus. It organizes different seminars and workshops to create awareness about varied career opportunities available.

Community orientation

NSS camps are organized by students every year. Social issues and plantation of saplings are given importance during the camps. The students organize different campaigns in the villages surrounding the college. NSS organizes the programs on “Traffic Rules” with the association of RTA. The NSS team organized the awareness program effectively and explained the significance of wearing helmet for two wheeler riders. Community developmental activities like AIDS awareness programmes, waste management programmes contribute to community and national development and also create awareness about ecology and environment. Blood donation camp is organized by NSS frequently. Students come forward and donate blood for the benefit of the public.

The Green Club team of the college which is a group of students from all branches and classes is supervised by a senior faculty member. The green club has initiated the “Water conservation Campaign” in the college and surrounding villages to build awareness among people about conservation. Through the “Clean and green Environment Programme” the club took up the responsibility of keeping the college a litter free and plastic free campus with the participation of the students. The club has also taken up the

responsibility of maintaining and protecting the green cover around the college premises and nearby villages. Students also participated in the programmes initiated by the State/Central Government like Swatch Bharat, Make in India, Start up India and Stand up India. Institution initiated 2K run programme, where the management, faculty and students actively participated to create awareness on **Swatch Bharat** and household hygienic conditions in the neighboring villages.

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

The college networks with its stakeholders to collect and document responses on the curriculum from the stakeholders. The students express the view on curriculum through feedback/ response sheets and also from Parents on curriculum, placement and trends in teaching methodology obtained from Parent Teacher Association Meetings. Responses on curriculum are also collected from employer, professional societies and Alumni. IQAC analyses feedback based on the information and prepares response chart for future use by the Principal. The feedback thus prepared is sent to the University for Appropriate Action. Also at the department level, we have framed Programme Educational Objectives (PEO) and Programme Outcomes (PO). Every year Department Advisory Board (DAB) committee meeting is held to discuss about the fulfillment of the PEO, PO based on university results and the feedback received from students of various batches and the stakeholders. The various types of feedbacks collected in our college are:

- Alumni Feedback: Every year institute organizes Alumni Meet in which feedback is collected to enrich the curriculum.
- Current Students Feedback: The feed back from every student is taken twice i.e., in the beginning and end of the semester.
- Employers Feedback: Feedback is collected from the Industry Experts and Employers during the interactions we held with them.
- Governing body: Regular Governing body meetings are held in the Institute and many points are discussed and approved.

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

The institution monitors and evaluates the quality of its programmes by committees such as planning and monitoring. The roles of the committees are outlined below.

Planning Committee

The committee has members from various departments. It frames the procedure for every activity of our college. The following are the tasks done by planning committee.

- Curriculum Implementation
- Internal Assessment
- Framework for Laboratory
- Plan for academic events such as internal and external symposia,
- Conferences, project expo, teachers' day, alumni meet, sports day,
- graduation day, Annual day etc

Monitoring Committee

The institution has a Monitoring Committee that ensures regular Academic audit of the following:

- Syllabus coverage
- Unit completion
- Attendance
- Monitoring the performance of slow learners
- Special assignment
- Lecture notes
- Personal log book
- Department activities
- Internal Marks calculation
- Slip Test Monitoring

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

A systematic mechanism is established in the institution to collect the feedback and analyzing it through the College Academic Committee. The University expert committee visits the college once in a year for the purpose of extension of affiliation and for the affiliation of new courses. At the time of university inspection committee visits they interact with the students and the faculty on various aspects with regard to facilities and teaching-learning process. Feedback thus obtained by the committee is duly conveyed to the university. In every semester, after the release of university results, the result analysis is done and correlated with the regular academic results. The results and developments to be adopted are presented in governing council meetings for approval. The process takes place twice in a year.

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

During the reformation of the curriculum university invites representative from the college to put forward the view on behalf of all the stakeholders of the Institute.

Students:

The feedback of the students is collected by the HOD and Principal on curriculum. Difficulties expressed by students are communicated to the University.

Alumni feedback:The feedback from alumni members are collected through the Alumni registration formats, whenever the Alumni Association Meetings are held. This feedback plays a valuable role in designing the training to be given to students of the third and fourth year.

Parents:

The Feedback of the parents is collected whenever they attend the Parent – Teacher’s Meeting. This feedback plays a key role in development of our college in all aspects.

Employers/industries:

We elicit opinions on the relevance of the curriculum from eminent industry personnel and employers. The feedback from employers is given due importance and their suggestions are analyzed, to include the Add-on courses to meet industry requirement and employability to students.

Academic Peers:

National seminars, conferences, workshops and extension lectures are organized from time to time to facilitate exchange of ideas on emerging trends in science and technology globally.

Community:

Fairs, cultural programs, social outreach activities provide opportunity to interact with community and introduce need based programs. The feedback thus obtained is analyzed. In-house departmental meetings are held to review the courses and programmes. The Principal discusses the important items with the Heads of the Departments. The resolutions are adopted after consultations with the Managing Committee are informed to the affiliating University for consideration. The changes recommended in various courses are tabled in BOS meetings by the member teachers for appropriate inclusion by the University. Suggestions arrived after analyzing the feedback received from stakeholders are forwarded to the student’s affairs department of JNTUK for necessary action.

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

The college introduced one undergraduate programme (B.Tech Civil) during the last 4 years. Sanctioned intake of the college is also increased due to the demand of the education. The details of the available seats in respective branches is furnished in the below table.

Course	2011-12	2012-13	2013-14	2014-15	2015-16
ECE	120	180	180	180	180
EEE	60	60	120	120	120
CSE	60	120	120	120	120
IT	60	60	--		
ME	60	60	120	120	120
CE	60	60	60	60	60
Total	420	540	600	600	600

CRITERION II

TEACHING – LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

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

The college emphasizes on publicity and transparency in the admission process by following means:

Publicity:

The college has a good reputation and is certified With ISO 9001:2008. It has a large number of technical courses in UG and PG Courses. It is located in Jonnalagadda in Andhra Pradesh.

The admission notification advertisement is issued in the leading regional daily news papers which consists of detailed information about the UG and PG courses with seat matrix and eligibility norms of admission process.

TIRUMALA ENGINEERING COLLEGE
 (Approved by AICTE, New Delhi & Affiliated to JNTU-K, Kakinada)
 ISO 9001:2008 Certified Institution
 JONNALAGADDA(V), **NARASARAOPET**-522601, GUNTUR (Dt).
 Phone No: 08647-218164, 219083, 218221, fax: 08647-219585

Notification for Category 'B' Seats

Applications are invited for "B" Category seats for the academic year 2015-2016 for admissions into B.Tech course. Application form can be obtained from the college office or can be downloaded from the website www.tmecnrt.org.

BRANCH	ECE	EEE	CSE	MECH	CIVIL
INTAKE	180	120	120	120	60
Category "B" Seats	54	36	36	36	18

Filled in application along with copies of relevant certificates and application fee of **Rs 100/-** (Non refundable) in cash / D.D. in favour of "**The principal, Tirumala Engineering College**" Payable at Narasaraopet can be submitted in the college office on or before **31.07.2015**. The admissions will be as per the guidelines of APSCHE.

Dr. Y.V. Narayana
Principal
Sri R. Satyanaraya
Secretary & Correspondent

Figure: Notification for Category-B admissions in 2015

The college prospectus is distributed to the nearby schools and colleges (Junior and degree) in order to spread awareness among the students to admit in our college. The academic, administrative and financial aspects related to the admission process are stipulated clearly in the prospectus and in the notification issued by the college. The prospectus of the college is available in the college website www.tmecnrt.org

Transparency:**Category-A (Aspirants coming through state level entrance examination: EAMCET):**

- The college follows the academic calendar provided by the affiliating university, JNTUK, Kakinada, Andhra Pradesh. It covers relevant information pertaining to admission.
- The college admission process is conducted every year through the web counselling process by APSICHE for convener quota.

Thus the transparency is guaranteed and maintained all through the process beginning from the notification till the end of admission. Therefore the access, equity in social justices, etc. are guaranteed through transparency and loyalty to the rules.

Category – B(Management Quota):

Category – B admissions are done in a transparent manner as the applications are uploaded to Centre for Good Governance (CGG) www.apsche.cgg.gov.in. A merit list is prepared and final list is communicated to the college management.

Hence, the Admission process is 100% transparent including the announcement of last date for closure of admissions and commencement of regular classes.

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

The college offers the technical courses for undergraduate and post graduate level. As per the directives of the university, the admission of the students into the college will start after the commencement of counselling. The selection process is based purely on the marks obtained in the qualifying examination and percentage of marks in the previous programme of study. The admission procedure strictly adheres to the rules which are laid down by the university and state government.

Admission procedure: All the admissions are regulated by Andhra Pradesh State Council for Higher Education (APSICHE). All admissions are made in two categories i.e. **A & B**, as per the guidelines mentioned in various G.O's published time to time by Govt., of A.P.

Category – A Seats

There is Centralized online system maintained by APSICHE for 70% of the Category – A seats (Aspirants applying through state entrance exam).

EAMCET 2015 Counselling Procedure Comprises of the Following points:

- Certification Verification
- Exercising Options
- Web Option Entry
- Choice Filling and Looking
- Modification of Option and Freezing
- Seat Allotment

- Allotment Order, Fee Payment and Reporting to College
- Candidate's certificates are verified by APSICHE and after that, they will generate One Time Password (OTP) to the student's mobile.(in previous years, online card to the students were issued)
- After entering OTP, the students are allowed to choose any particular branch of engineering in any of the engineering colleges. They can choose option and exercises in order of preference. The government allots the seats to the students through online process based on the merit and rank in EAMCET and ICET. The student can choose alternate college, if they do not like the Original allotment given by Government through the second counselling.
- If any seats are left vacant due to non- reporting or any other reason in the category – A, then the seats are filled at the end of the counselling in institutional level spot admissions as per the norms of the convener of the common entrance examination.

Category – B Seats

The remaining 30 % of the total seats are allocated for Category –B. These are filled by the college as per the guidelines issued by the APSICHE in transparent manner. Until last year(i.e. 2014-2015), the college used to send a list of selected and admitted candidates along with necessary certificates to APSICHE for approval, but for the current year admissions, they are uploaded in the website <http://www.cgg.gov.in/>. After approval of CGG (Centre for Good Governance), approval of APSICHE is also sought. In the academic year 2015-2016 the student admission for B Category was done manually by APSICHE.

Eligibility criteria to join in engineering colleges:

- Candidates should obtain at least 45% of marks (40% in case of candidates belonging to reserved category) in the qualifying exam (10+2).
- Candidate should pass the Intermediate Examination (10+2 pattern) with Mathematics, Physics along with Chemistry or related vocational courses in the field of Engineering and Technology through the Board of Intermediate Education, Andhra Pradesh along with the bridge course.

Procedure for filling Category – B seats:

- Publication of category –B notification in news papers
- College information is posted on web portal of CGG/college and state council
- Submission of filled applications by student or college
- Preparation of merit list of applications posted in CGG and also sent to college
- Selection list for admissions
- Validation of selection lists by the competent authority
- Interviews for selected candidates
- Filling up the vacant seats (if any)
- Submission of admitted candidates list for approval to the competent authority

category – B: Student Admission Application Form

**TIRUMALA ENGINEERING COLLEGE**

JONNALAGADDA, NARASARAOPET – 522 601, GUNTUR DISTRICT, ANDHRA PRADESH.
(Approved by AICTE, New Delhi and Affiliated to JNTUK-Kakinada)
Ph.Nos.08647 – 218164, 219083 Fax: 219585 web: tmecl.org

EAMCET
CODE
TMLN

APPLICATION FORM FOR THE STUDENTS UNDER 'B' CATEGORY FROM WITHIN OR OUTSIDE THE STATE OF AP
FOR ADMISSION INTO FIRST YEAR **B.TECH** FOR THE ACADEMIC YEAR 2015-16

Please ✓ Mark in necessary fields)

APPLICATION NO:

Under Graduation Courses: ECE EEE CSE MECH CIVIL

1) Name of the candidate (in CAPITALS):

2) Name of the Father :

3) Father occupation :

4) Date of Birth (as per SSC) :

5) Gender : Male / Female

6) Nationality & Religion :

7) Category (OC / SC / ST / BC-A / BC-B / BC-C / BC-D / BC-E / Christian Minorities):

8) Details for Correspondence:

PERMANENT ADDRESS	ADDRESS FOR CORRESPONDENCE
PIN CODE :	PIN CODE :
TELEPHONE NO WITH STD CODE:	TELEPHONE NO WITH STD CODE:
Mobile No:	Mobile No.
E-mail-ID :	

9) DETAILS OF QUALIFYING EXAM:

Entrance Exam:

AIEEE (JEE-MAIN) RANK :	HALL TICKET NO :
EAMCET RANK :	HALL TICKET NO :

Name of the Examination	Name of the Institution	Hall Ticket NO	Total Marks	Maximum Marks	% Marks	Year of Pass
S.S.C						
Intermediate						
Degree						

Contd....2.....

10) Details of Application-cum-Registration fee paid: Rs. _____(Not Refundable)
 Receipt No. _____ dated _____ /
 D.D. No. _____ dated _____ drawn on “The Principal, Tirumala Engineering College”
 Payable at **Narasaraopet**.

DECLARATION

We declare that all the particulars given above are true to the best of our knowledge. We understand that any particulars given in the application, if found incorrect on scrutiny, will render the application liable to be rejected and admission granted on the basis of such incorrect information will stand cancelled.

Signature of Father / Guardian
 (Name in block letters)

Signature of the Applicant
 (Name in block letters)

For office use only

1. Branch allotted :
 2. Roll No :

PRINCIPAL

Enclosures:

- (1) Candidates wish to submit the application through online may visit the college
 Website www.tmecnrt.org
 (2) The Certificates to be enclosed (Put ✓ Mark in the box)

S.No	Certificates	Submitted
1	Rank Card	
2	Hall Ticket	
3	SSC Certificate	
4	Intermediate/ Degree Certificate	
5	T.C	

S.No	Certificates	Submitted
6	Study(inter)	
7	Study(6 th to 10 th) or Residence for Local / Non-Local Proof	
8	Caste Certificate (Only SC,ST,BC- A, B, C,D , E, Minority) only mee seva	
9	Students Photos (5)	
10	Parent Photos (2)	

Remarks:

TIRUMALA ENGINEERING COLLEGE: NARASARAOPET**Lists of Applicants to Category 'B' seats**

List of Admissions made under Management Quota (30%) FOR THE YEAR 2015-16

S.NO	Name of the Candidate	Father's Name	Branch
1	TAMMISETTY SIVAKOTESWARARAO	T KONDALARAO	CSE
2	TANGELLA SAI APARNA	T SUDHAKARA HARIPRASAD	CSE
3	DEVAGANUGULA VIJAYA DURGA	D SRINIVASA RAO	CSE
4	MEDIDAM BINDU BHARGAVI	M SRINIVASA RAO	CSE
5	PALADUGU TIRUMALA	P KOTESWARA RAO	CSE
6	RAYAVARAPU HALOK NATH	R RAJA MANNAR	CSE
7	PACHAVA ALEKHYA	P .SURESH	CSE
8	MADHIREDDY PRAMODH REDDY	M SRINIVASULU	CSE
9	THATHA GAYATRI	T JANARDHANA RAO	CSE
10	PALADUGU NEELIMA	P SRINIVASA RAO	CSE
11	POTHIREDDY PAPI REDDY	P SRINIVASA REDDY	CSE
12	CHERUKURI BALA YAMINI	CH VENKATA GIRI	CSE
13	BAYYANA RAVALI	B VENKATA MOHAN RAO	CSE
14	METTU BHUVANA MOHAN KRISHNA REDDY	M KESAVA REDDY	CSE
15	MEDIKONDA BHARDHWAJA REDDY	M GOVINDA REDDY	CSE
16	SHAIK BANDA JANI BASHA	SK BANDA NAGUL	CSE
17	ALAMURI VENKATA KAVYA SRI	A SRINIVASARAO	CSE
18	GUNDA LAKSHMI PRASANNA	G MALLIKARJUNA RAO	CSE
19	KONGARA SAI RAMYA	K BASAVAI AH	CSE
20	KANAMARLAPUDI P V MANIKANTA ANJAN KUMAR	K V K HANUMANATHA RAO	CSE
21	KOLLA RAMA MOUNIKA	K VENKATESWARA RAO	CSE
22	ACHUKOLA VENKATA SAI KRISHNA	A SRINIVASARAO	CSE
23	MUKKAPATI AYYAPPA	M VENKATA RAO	CSE
24	GUNDA VARA KUSUMANJALI	G S GURUNADHAM	CSE
25	NARRA SAI JYOTHI	N RAMA KRISHNA	CSE
26	NAKKA HARITHA BRAHMESWARI REDDY	N BRAHMANANDA REDDY	CSE
27	BONDALAPATI PRAHARSHA	B VEERAMAHESWARAEAO	CSE
28	TALLURI RAMYANJANI	T SRINIVASA RAO	CSE
29	GURRAM NAVEENA	G AYYANNA	CSE
30	PEMMASANI AJANTHA	P SUBBARAO	CSE
31	DASARI HEMA LATHA	D MANIKYALA RAO	CSE
32	MOHAMMAD HAFEEZ	M KHASIM	CSE
33	POSANI NAGA PRASANNA	P GOVINDARAO	CSE
34	PEDARLA PRANAY CHOWDARY	P SAMBASIVA RAO	CSE
35	ANDUKURI N V S ALEKHYA	A BHAVANI SANKAR	CSE
36	KOTHAMASU SAMKEERTHI	K VENKATA MALLA RAO	CSE
37	BATTULA NIKHIL VAMSI	B SRINIVASA RAO	ECE

Table: showing merit list of students join in our college

Lateral Entry: 20% of the sanctioned intake seats are added for the lateral entry admission at the second year level in each of the discipline offered by the college for the students who have completed their Diploma course from Polytechnic. The candidate should pass the qualifying exam. Diploma holders will be admitted into the II year I semester directly, based on the rank secured by the candidate at Engineering Common Entrance Test (ECET) in accordance with the instructions received from the Convener, ECET and Government of Andhra Pradesh.

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

The admission into UG / PG technical courses in Andhra Pradesh is based on the common entrance tests EAMCET / ICET/GATE/PGCET respectively. The best and the last ranks of the students admitted under various categories in the academic year 2015-16 are indicated below.

EAMCET/ICET/PGECET last rank wise admissions for the academic year 2015-2016 UG Programme: B.Tech

BRANCH	CIV	CSE	ECE	EEE	MEC
OC-BOYS	81628	46669	62435	115721	130779
OC-GIRLS	80137	47547	60011	122854	0
SC-BOYS	112961	0	90834	0	122114
SC-GIRLS	106280	120075	0	123330	0
ST-BOYS	0	113528	101330	0	0
ST-GIRLS	0	0	0	0	0
BC-A-BOYS	104421	60933	110017	71610	122249
BC-A-GIRLS	70860	71397	82124	53395	0
BC-B-BOYS	128077	84149	116471	103641	128711
BC-B-GIRLS	0	93523	94539	0	0
BC-C-BOYS	0	0	0	0	0
BC-C-GIRLS	0	70441	94539	0	0
BC-D-BOYS	89872	103881	107869	0	131918
BC-D-GIRLS	57233	73872	57821	0	0
BC-E-BOYS	126544	64477	123977	0	128400
BC-E-GIRLS	0	73341	84280	0	0

Cocomparison of EAMCET Cut-off Ranks at TEC in last five years

TEC					
Department	2015-16	2014-15	2013-14	2012-13	2011-12
CIVIL	81628	166109	215290	201890	162848
CSE	46669	182973	210395	193205	144034
ECE	62435	149313	170816	39548	137511
EEE	115721	164492	208273	186893	156488
MECH	130779	195180	182629	188875	174467

Comparison of EAMCET Cut-off Ranks with other colleges of same affiliating University 2015-2016

Department	Tec	College A	College B
CIVIL	81628	216601	201014
CSE	46669	213011	209445
ECE	62435	196214	212929
EEE	115721	156752	212267
MECH	130779	186793	217359

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

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

- The college verifies and review all the profiles of the students admitted annually. The college has well planned, well defined and well designed mechanisms as far as reviewing the profiles and merits of the students.
- The college academic section regularly monitors and provides information to the academic heads for proper corrective measures.
- In particular, the committee which is responsible for the admission procedure takes care of particular section of students like girls, rural area background, or any specific community is found to be in less numbers in the admission lists.

- The committee reviews the aspirant's needs and plans and allocates resources accordingly.
- Outcome: As a result of these activities in the last four years, the college has noticed a continuous growth of students in both academics and discipline. Personal grooming, training and other important aspects have immensely helped in enhancing the number of admissions. The students have learnt to energize their positive attitude to increase their performance into the constructive activities and got placed into renowned industries.

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

The admission process is in the control of APSCHE. Admissions are based on reservation policies of Andhra Pradesh state government. The admission process is as per the reservation policies by the APSCHE. The institution provides the needed facilities and sticks to the governmental policies in regard to the need of the differently-abled students.

SC/ST/OBC/Economically weaker sections:

- The admission procedure for SC/ST/OBC/EWS students is as per the reservation policy of the State Government. Book bank facility is provided for SC/ST students. Fee reimbursement is given by the state government to the SC/ST/OBC/ EWS students.

Women:

- 33% of seats are reserved for women in convener quota as per reservation policy of the state government. They can also be allowed in open category admission process.
- A women empowerment & grievance cell, headed by one senior lady staff member, one lady faculty member from each department is constituted. This cell looks after the welfare of girl students and lady staff members.

Differently abled

- The differently abled student's seats allocation is exercised as per the reservation policy of the state government.
- For them, classes are held in the ground floor where ramps are available.
- Computer centre facility is available in the ground floor. Separate toilets are provided for such students.
- Seats in front row are reserved for them in the classrooms.

Minority Community:

- Reservation is available to the minority community as per the state government's policies.

UG Seats:

CATEGORY	GENDER	2012-13	2013-14	2014-15	2015-16
OC	M	189	182	178	147
	F	155	192	155	149
BC-A	M	18	17	11	17
	F	9	17	9	15
BC-B	M	30	26	14	23
	F	14	17	13	14
BC-C	M	2	2	1	--
	F	2	1	1	1
BC-D	M	27	25	27	23
	F	5	3	7	7
BC-E	M	20	22	22	27
	F	3	8	11	13
SC	M	12	12	13	6
	F	6	7	4	10
ST	M	1	9	2	2
	F	1	2	1	---

PG Seats for MCA:

CATEGORY	GENDER	2012-13	2013-14	2014-15	2015-16
OC	M	2	--	--	--
	F	21	--	--	--
BC-A	M	--	1	--	--
	F	--	--	--	--
BC-B	M	--	--	--	--
	F	--	--	--	--
BC-C	M	--	--	--	--
	F	--	--	--	--
BC-D	M	--	--	--	--
	F	--	1	--	--
BC-E	M	--	2	--	--
	F	1	--	--	--
SC	M	--	--	--	--
	F	--	--	--	--
ST	M	--	--	--	--
	F	--	--	--	--

Total Seats:

B.TECH	GENERAL		OBC		SC		ST		OTHERS	
	M	F	M	F	M	F	M	F	M	F
2012-2013	189	155	98	33	12	6	1	1	.....	.....
2013-2014	182	192	92	46	12	7	9	2	.....	.....
2014-2015	178	155	75	41	13	4	2	1	.....	.....
2015-2016	147	149	90	50	6	10	2	---	.....	.....

Current Academic Year (First Year admissions)

Student from same sate

UG
454+31(Lateral Entry)

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

The demand ratio for the admissions under category-A cannot be analyzed as the entire process of student preferences and seat allocation will made online by APSCH and the data cannot be acquired by the Institute. The seats filled up under category-A, since last 4 years in different branches is as given below.

UG Programme:

Branch	2012-2013		2013-2014		2014-2015		2015-2016	
	Sanctioned Strength	Students Enrolled	Sanctioned strength	Students Enrolled	Sanctioned Strength	Students Enrolled	Sanctioned strength	Students Enrolled
ECE	180	158	180	162	180	174	180	176
CSE	120	120	120	109	120	119	120	120
EEE	60	50	120	57	120	25	120	27
MECH	60	59	120	112	120	60	120	79
CIVIL	60	60	60	60	60	58	60	52
MCA	60	24	60	4	--	--	--	--

2.2 Catering to Student Diversity

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

The process of admission for crippled is done according to the reservation norms of APSCHE. They are provided with all the basic facilities based on the conditions and requirements of the disabled. The teaching and non-teaching faculty takes extreme care of these students. Separate facilities are arranged by the management to take intensive care of the disabled. The sessions are arranged in the ground floor for the disabled students. The management arranged a separate tuition fee waiver scheme through which handicapped students could take the advantage and resume their education without hurdles.

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

Yes. Most of the parents and students from the rural background are unaware of the admission procedures, courses and the centres opened to the students. An awareness programme is arranged to the students who opted this college. Students are mobilized towards setting their goals and they are made to realize the importance of communication skills in the present scenario through this programme. They are brought awareness about the state-of-art facilities arranged in the college, learning process adopted by the faculty expertise and rules and regulations followed in this institution.

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

A pre-mid assessment test is conducted in each subject before mid exam. Based on the performance in those test, the faculty will plan for further strategies related to teaching process and other programmers as per the requirement of the students.

- For every class, an in-charge is appointed for identifying the weak students. This is done by the consultation of all subject faculties to that class.
- Remedial classes are conducted to the weak students to improve their performance and to cope up with their fellow students.
- The weak students are specially counselled by the concerned counsellor to get the feedback of their studies and personal issues so that they can perform well in their studies.
- English Language Communication Skills (ELCS) lab has been established and the students are trained and encouraged to the improve proficiency in English language.
- For lateral entry students remedial classes are conducted in engineering mathematics to improve their mathematical and analytical skills.
- The institution also conducts remedial classes for all groups of students to increase their skills and competence.
- Faculty arranges the weekly tutorial classes to enhance the student knowledge.

- A great deal of attention is being paid to create motivation through enrichment courses like personality development programmes, workshops, technical festivals, conferences and symposia.
- Special coaching on arithmetic, aptitude and reasoning are given to make the students ready for on/off campus selections.
- A digital library has been established and students are strongly encouraged to access e-Journals and MIT video lectures to improve their technical knowledge.
- Useful practical training is given to the students during the laboratory periods itself.
- Special training is given to the students on the recent needs of the industries on domain basis.
- Experts and scientists from the industries and research are invited for giving lectures to bridge the knowledge gap of the students.

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

- The staff members and students are treated equally in religious aspects.
- The college monitors its staff and students on the issues of gender sensitization, regional, communal and environment etc, by holding seminars on the relevant topics.
- The college has set up a Women Empowerment and Grievance Redressal Cell to cater to the needs and issues related to girl students and female staff.
- Women's day is celebrated by teachers and students.
- The college provides co-education holding the tradition of teaching the holistic education with emphasis on the ethical and moral principles.
- The college possess professional Ethics and Morals and Environmental Studies as a part of the regular syllabus.
- The college management also supports the women education by offering financial incentives to meritorious girl students.
- Experts are invited to share and deliver their experiences and knowledge on these issues.

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

Based on the academic performance, semester results and pre-mid assessment tests conducted in the classes, the advanced learners are identified. Those students are given separate counselling by the faculty members. The faculty members encourage the students to fulfill their goals. The respective guidelines and support is provided by the faculty for their career planning and growth.

- Encouraging them to participate in the activities such as PPTs, technical quiz etc., conducted in other colleges to improve their technical knowledge.
- Motivate them to participate in workshops, national and international conferences to know the advanced technologies.
- Conducting training classes to improve communication skills.

- Seminar topics are given to gain more knowledge and to develop speaking skills.
- Separate classes are conducted for competitive exams like GATE etc.
- Encouraged them to get membership in professional bodies and given suggestions to do the projects and publish papers at conferences.
- Providing access to NPTEL and digital library facility to gain the knowledge beyond the syllabus.
- Motivating them to do certification courses.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

- It is indeed that there have been less than 1% dropouts in UG in the last few years as the Institute has a sound system of identifying such students and counseling and mentoring them.
- The college has a counseling system in place where in 30 students are allocated to a faculty as their counselor. The faculty counselor assesses the nature of their problem. Students with psychological/emotional problems are also motivated in a friendly manner to reach their academic goals.
- Students whose performance is poor in academics and attendance are informed to their parents by phone/letter.
- Slow learners are identified after observing their performance in class tests and first mid exams.
- A separate learning material is prepared for the slow learners.
- Economically weaker sections students are provided with financial aid from the management to ensure their smooth run of academics.

2.3 Teaching-Learning Process

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

i) Academic calendar:

JNTU Kakinada issues the Academic Calendar and it is available on the university portal and is included in the student hand book. A separate department level academic calendar is prepared keeping in view the University academic calendar that includes different activities to be organized by the department.

ii) Handouts:

Handouts on each subject are prepared with the following contents.

- Course objectives and outcomes.
- Unit wise lecture schedule.
- Text books, Reference books and important URLs for the subject material.
- Assignments and important questions in each unit, Content beyond syllabus.
- The evaluation procedures for internal tests - theory and practical.

iii) Teaching Plan:

- A meeting is conducted before commencement of every semester by the Head of the Department in which subject allocation is made.
- Class timetables are prepared and displayed in all the notice boards.
- Laboratory manuals are prepared and supplied to students at the beginning of the semester.
- Review meetings are arranged periodically to review the coverage of syllabus.
- Teacher uses teaching aids like OHPs, LCDs wherever necessary.
- Assignment and tutorials are given.
- Class tests are conducted.
- All the faculty members use attendance registers for the theory as well as laboratory courses. It contains details of students register number, name, attendance details, period wise syllabus coverage, periodical test marks, attendance percentage and internal assessment marks.

iv) Evaluation:

- Twice in a semester mid exams are conducted. An on line objective test and a descriptive test are conducted for each subject.
- Internal lab examinations are conducted once in every semester.
- Internal assessment on all subjects is made to identify slow learners.
- Continuous evaluation procedure is followed for practicals as per University guidelines.
- University conducts end semester examinations in both theory and practical's.
- Evaluation of main projects is also done by external examiner allotted by the University.

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

The IQAC is constituted and takes the following activities:

- Development of Quality benchmark of academic parameters and administrative activities of the institute.
- Organization of workshops, seminars and quality related themes.
- Documentation of various programmes / activities leading to quality improvement.
- Conducting internal quality audit periodically.

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

TEC believes in student-centric learning and supports creative learning environment, where students think on their own and interact with peers and teachers which provides a diversified learning environment and creates an environment for real communication. Assignments, discussions, interactions, industrial training and projects

are part of teaching-learning process. Different strategies are used to make the process a learner-centred.

- Interactive teaching methods are followed.
- Presentations and group discussion make the classes more interesting
- Industrial visits are made.
- Visits are made to institutions of higher learning and research
- Non-governmental organizations are also visited to make the topics more informative.
- Student counselling is done by the counsellor.
- Student is encouraged to organize clubs and different technical events. This enables them to enrich their organizational and managerial skills, apart from honing their technical knowledge.
- The teachers are encouraged to develop different learner- centred approaches. They are advised to take part in this type of seminars and many of teachers are trained by Training and Placement cell.
- A National level symposium in all departments is provided as a platform for the students to acquire additional knowledge apart from the regular teaching process, and also the students themselves can organize and participate in various technical events. These programs are motivated fully with student-centric|| and they nurture their organizational and management skills apart from enriching their technical knowledge.
- The college offers support services to its teachers for making the learning student centric.
- The guest lectures by cognizant experts from academics and industry are conducted to expertise the students on different technological aspects.
- Alumni meetings are organized.
- Lesson notes is distributed after each topic.
- The college provides teaching aids such as OHP, LCD projectors, broadband internet connectivity, Wi-Fi connectivity.
- Well equipped labs for improving programming skills & logical thinking, are provided.

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

- The students are encouraged to design their own applications using the available equipment in the laboratory and software.
- The faculty motivates the students to participate in model making, paper presentations, software contests and various co-curricular activities in various events organized in and outside the college.

- The scientific temper among students is enhanced by providing additional laboratory hours and research activities.
- Students are encouraged to participate in project competitions and workshops with hands-on experience.
- The guest lectures and seminars are organized in the college with eminent faculty to enable the students to interact with them in the latest developments in the technology. This creates an interest in the minds of the students for further learning processes.
- Students are encouraged to take up live industry projects.
- All these activities generate interest in the students to go higher levels of learning i.e., innovation, application to societal problems from lower levels of learning like memorization, problem solving, understanding, gaining knowledge etc., and lead to make them life-long learners and innovators.

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

E- Learning facilities are available in the digital library and it facilitates the faculty and students to utilize E-Tutorials of NPTEL, E-articles of Journals and Globarena. The teaching aids like multi-media projectors, Internet enabled computer systems are employed in the class room instructions. The students are encouraged to use computer software packages for meaningful analysis of experimental data collected/acquired by them. A Student Activity Cell is formed. Skill development programme is started by the AP Government. Through these methods, students are encouraged to create different apps by exploring modern technology.

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

The staff and students are encouraged to contribute in international and national conferences, symposia, seminars and workshops and to interact with experts in their fields and help them to update with recent developments.

Experts from industry and academia are invited to give guest lectures which help the students as well as the faculty to be abreast of the technology and the innovative trends and methods that are to be adopted to make teacher learning process more attractive. All the departments have their departmental technical organizations. Every department conducts different technical competitions at inter-college level fest TEC-PRAYAGA. Students are encouraged to participate in different events and projects both at college and in other colleges. A student can use any laboratory and can take the guidance of any faculty to enhance his skills. Self learning is encouraged and going beyond the syllabus is expected by

- Technical magazines, journals and books available in the library & Digital Library
- Industrial visits and visiting institution are organized for practical exposure

- Students can participate in various activities like:
 - Paper presentations
 - Technical Quiz
 - Technical visits
 - Mini- projects
 - Research journal publications
 - National and international conferences.
 - Debate

2.3.7 Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counselling /mentoring/academic advise) provided to students?

Thirty students are attached to each teacher. Students are counselled periodically in order to discuss their academic performance, financial, hostel, travelling problems and other personal problems. If necessary, parents are invited for counselling along with the students. If any problem is identified the student will be sent to the professional advisor. The class teacher monitors attendance, dress code, and student performance in academics. Parents are informed about the student performance. If the student does not improve his/her performance, remedial classes are conducted. Career guidance is given by inviting academia and industry personnel. These lectures are organized by training & placement cell. Parents / Guardians are informed about the performance of the students through phone calls and SMS, once in a month.

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

The faculty is adept and adoptable and has thirst for innovative teaching practices that benefit the students

- Reference books and E-recourses are provided in the library
- E-journals and NPTEL videos are available.
- To deliver effective teaching, concepts are explained by charts and models where ever necessary.
- PPTs are prepared for effective teaching and learning.
- Video lectures and animated videos are used in classroom teaching
- Important topics are covered with orientation towards GATE & IES
- Some important basic topics beyond syllabus are covered
- Internet is provided for faculty to prepare lecture notes
- LCDs are arranged in each department
- Faculty is motivated and encouraged to attend workshops, seminars, conferences, to improve their skills so that the knowledge can be transferred in a better way.

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

The library is the knowledge hub of any college. TEC library offers different services to augment the teaching-learning process. It is opened beyond working hours.

- Reprographic Facility
- Internet access
- Reference books
- Department library
- Multimedia service
- Digital library
- Previous exam question papers
- E- books, e-lectures & e- journals
- Online public access catalogue

The college has a central library with carpet of 430 sqft. It is fully computerized using OPAC system

- College central library and department library are well equipped with books and various journals.
- E-journals and large collection of e-learning materials suitable for research activities are available.
- Central library is equipped with high end personal computers with high speed internet Connectivity.
- The central library is fully computerized with Barcode system and well protected with CCTV security
- The list of information resources available are

Central Library	
No of Titles	3266
No of Volumes	19247
Reference Books	1459
Back Volumes	89
Daily News papers	16
CD Titles	804
International Journal	14
National Journals / Magazines	60
Online Journals	Through DELNET
Digital Library(OSTILI OS multicore license)	
No of Computers	28
Internet Connectivity	40 Mbps
Media Resource Centre	Reprographic Facility and Printing.

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

The college has not faced any challenge in completing the curriculum within the planned time except during the recent united Andhra Pradesh agitation during August-September 2013. This caused delay of 2 months in completing the curriculum. It was compensated by taking additional 2 months of classes as advised by JNTUK, Kakinada. Bridge courses are conducted for lateral entry students who are admitted into second year directly. If the admission process for lateral entry students is delayed then the faculty conduct extra class work to students to complete the academic schedule. Due to any other reason the class work is disturbed this will be compensated by arranging extra classes. The syllabus coverage is monitored by IQAC and remedial measures are suggested to the teachers, if any lacuna is found.

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

- Every faculty is required to submit hand written course files. Here we can check the quality of the content. The faculty is asked to submit the assignments which can be useful to students to explore their knowledge thoroughly.
- The class-in-charge reports to the HOD about the feedback on class work.
- The HOD conducts the regular meetings to know the status of subject wise syllabus coverage and to discuss the academic issues if any faced by the students.
- The feedback from students on faculty performance is taken twice in a semester to evaluate the teaching ability in the class room. Further, the faculty is counselled by the head of the department and also by the Principal if required.
- Monitoring is also done through class review committees (CRC) to assess the uniformity in syllabus coverage, and also the quality of teaching.
- The quality of course material, assignments and question papers prepared by the faculty are assessed internally and suitable suggestions are given.



TIRUMALA ENGINEERING COLLEGE
(Affiliated to JNTUK, Kakinada)
Jonnalagadda(V), Narasaraopet 522601, Guntur Dist.

STUDENT FEED-BACK REPORT

23 APR 2016

Academic Year: **2015-16** Year: **2** Semester: **2**
Branch: **ECE-A** Faculty: **Dr.Y.V.Narayana**
Total Students Appeared **53** Subject: **EMWavesandTransmissionLines**

Sl.	CHARACTERISTICS	VERY GOOD	GOOD	AVERAGE	BELOW AVERAGE	POOR	MARKS
1	Knowledge of the Subject	37 69.81%	16 30.19%	0 0%	0 0%	0 0%	4.70
2	Coming well prepared for the Class	17 32.08%	34 64.15%	1 1.89%	1 1.89%	0 0%	4.26
3	Giving Clear Explanations	13 24.53%	33 62.26%	1 1.89%	2 3.77%	4 7.55%	3.92
4	Command of Language	20 37.74%	28 52.83%	2 3.77%	1 1.89%	2 3.77%	4.19
5	Clear and Audible Voice	25 47.17%	23 43.4%	3 5.66%	1 1.89%	1 1.89%	4.32
6	Holding the attention of students through the Class	21 39.62%	23 43.4%	2 3.77%	2 3.77%	5 9.43%	4.00
7	Providing more matter than in the Text Books	18 33.96%	32 60.38%	1 1.89%	1 1.89%	1 1.89%	4.23
8	Capability to clear the doubts of Students	24 45.28%	27 50.94%	0 0%	2 3.77%	0 0%	4.38
9	Encouraging students to ask questions and participate in Discussion	15 28.3%	32 60.38%	1 1.89%	1 1.89%	4 7.55%	4.00
10	Appreciating students as and when deserving	18 33.96%	29 54.72%	1 1.89%	5 9.43%	0 0%	4.13
11	Willingness to help students even out of Class	14 26.42%	32 60.38%	4 7.55%	1 1.89%	2 3.77%	4.04
12	Return of valued Test papers / Records in Time	22 41.51%	26 49.06%	3 5.66%	1 1.89%	1 1.89%	4.26
13	Punctuality and following Time table Schedule	24 45.28%	22 41.51%	3 5.66%	1 1.89%	3 5.66%	4.19
14	Coverage of Syllabus	25 47.17%	24 45.28%	1 1.89%	1 1.89%	2 3.77%	4.30
15	Impartial (Treating all students alike)	22 41.51%	26 49.06%	3 5.66%	1 1.89%	1 1.89%	4.26

84.2% 63.18

NOTE: Feed back was collected at the end of the semester / year, from those students having more than 75% attendance.

2.4 Teacher Quality

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

The institution follows the JNTUK, Kakinada Govt., of A.P and AICTE guidelines in recruitment of the faculty members with regard to the qualification and experience in a well defined procedure.

Recruitment procedure of faculty:

The Institute has a definite recruitment policy for both teaching and non-teaching staff. Before the commencement of the semester, each department sends their requirement to the Principal. The College looks for the best and experienced faculty who has expertise in their field of study. In this regard, an advertisement is given in national and regional newspapers. The applications received are scrutinized and eligible

candidates are called for interview. A committee comprising of Management members, Principal, concerned department HOD, External subject expert or university representatives and senior faculty members are formed. They take the interview & demo classes to the candidates, and submit the report of selected candidates based on their performance. Finally, principal in consultation with the management takes the final decision. An identical procedure is also adapted in case of non-teaching staff.

Furnish details of the faculty:

A) permanent Faculty

Qualification	Professor		Assoc. Professor		Asst. Professor		Total
	Male	Female	Male	Female	Male	Female	
PhD	8	1	2	-	-	2	13
M.Phil	-	-	-	-	1	4	5
PG	-	-	19	1	58	34	112
							130

B) Adjunct Faculty

Qualification	Professor		Assoc. Professor		Asst. Professor		Total
	Male	Female	Male	Female	Male	Female	
PhD	2	---	----	--	2	---	4
PG	--	--	6	---	19	---	25
Total							29

Total Faculty (A+B) -----

159

Retention of Faculty:

Faculty and staff retention indicates the healthy working environment conducive for self growth, well defined transparent and uniform service rules and policies are adopted. The faculty are motivated with good remunerations and incentives for institutional academic growth. The maternity leave title is sanctioned to the faculty as per institution norms. The staff members are also provided other requisite facilities like, Medical Leave, Casual Leave. The Institute has always adopted a policy that has aimed at retaining best of its teachers. A healthy and good retention ratio is maintained in the faculty cadre by creating a good environment and providing incentives as detailed below

- All teaching and non teaching staff members are provided with free transport facility.
- Sponsorship to workshops/seminars/refresher courses is considered on duty.

Leave rules:

Employee is eligible for casual leave for a period of 15 days in a calendar year and casual leave is available on pro-rate basis for the number of months served by an employee in a academic year.

- Medical leave: An employee who has completed one year of service is eligible for 15 days of full pay leave per annum from the subsequent years on medical grounds.
- Maternity leave is granted to a female employee belonging to Teaching and Non-Teaching categories, who has completed one year service, for a period of not exceeding 3 month at a time during her confinement (both pre-natural and post-natural periods put together) and only for one occasion in the entire period of her service in the institute.
- Special case leave is considered on selective basis to acquire latest techniques in teaching as well as in their subjects and also to attend invigilation duty, paper valuation of JNTUK, Kakinada other colleges or universities.
- The teaching staff members of the college are granted leave for Qualification improvement in India and abroad.

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

As far as the Engineering branches such as Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering are concerned, the institution has made lot of efforts to recruit the best quality teachers. The best method is to assess the faculty performance appraisal and collecting feedback from the students. The HOD's will conduct frequent meetings with faculty handling new subjects and discuss new methods in teaching. The institution conducts the FDPs for faculty in all branches of Engineering at regular intervals in order to upgrade the technological aspects and skills pertaining to the latest trends and changes in techno economic corridor globally. To attract the new faculty and to retain the existing teachers the college provides motivational incentives like sponsoring to higher education, incentives for retention and providing research facilities in all the departments to pursue their Ph.D. programmes. When there is a requirement for any emerging subjects, the college arranges guest lecturers with experts in respective fields. Eminent personalities are invited from the industries to deliver expert lectures to the students so as to bridge the gap in the curriculum. The faculty is encouraged to pursue their Ph.D. programme and get expertise in latest emerging areas. The institute always strives to give the best input to the students.

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

The Institute believes that the faculty should hone their skills regular intervals and upgrade their knowledge. The faculty is liberally nominated to undergo various training programmes and the details are given below.

a) Nomination to staff development programmes (Faculty trained through different staff development programmes)

Programme	No of faculty attended/organized				
	2015-16	2014-15	2013-14	2012-13	2011-12
FDP	62	36	32	46	36
Seminars/workshops	41	39	30	21	23

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

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

Teaching learning methods/approaches:

The college organizes programmes to encourage faculty members. Frequent staff development programmes are conducted for faculty to improve their teaching methodologies.

Handling new curriculum

The college has experienced faculty to handle new curriculum. HOD's conduct frequent meetings with faculty who handles new subjects and discuss new methods in teaching.

Content/knowledge management

To enhance the knowledge of the faculty, they were sent to National International Seminars. Special Programmes & visits are organized for the faculties for new projects to acquire emerging trends.

Selection, development and use of enrichment materials

The college organizes seminars, workshops and also deposes the faculty as a resource person for presenting papers and attending conferences.

Assessment

The best method to assess the faculty is Performance Appraisal and collecting feedback from the students.

Cross cutting issues

Seminars and workshops are conducted wherein experts from various fields are invited to share and deliver their knowledge and experience.

Audio Visual Aids/multimedia

Our Faculty is encouraged to use audio Visuals in class rooms through power point presentations. Lectures are given using audio visuals.

OER's

NPTEL Videos, Web based learning

Teaching learning material development, selection and use

The Faculty is given liberty to access internet so that they can collect some extra learning material. The college also has a rich library with more collection of books on various subjects which help the faculty to enhance their knowledge.

c) Percentage of faculty

i) Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies

ii) Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies

iii) Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies

Details of Faculty attended FDP, Seminars, Workshops

2011-2012								
Program	Civil	CSE	ECE	EEE	IT	MECH	MCA	S&H
As Resource persons in the workshop/Seminar	--	--	1	--	1	--	1	2
FDP	--	8	10	9	--	4	--	4
Seminar	--	--	2	3	1	2	1	4
Workshop	--	--	5	1	--	2	--	2

2012-2013								
Program	Civil	CSE	ECE	EEE	IT	MECH	MCA	S&H
As Resource persons in the workshop/Seminar	--	--	1	--	1	--	1	2
FDP	2	13	15	--	--	8	--	2
Seminar	1	--	2	1	--	2	--	4
Workshop	--	1	1	1	1	2	1	4
2013-2014								
Program	Civil	CSE	ECE	EEE	IT	MECH	MCA	S&H
As Resource persons in the workshop/Seminar	--	2	2	--	2	--	--	2
FDP	3	16	--	--	--	8	--	3
Seminar	1	2	2	6	1	2	1	4
Workshop	1	1	2	1	1	2	1	3

2014-2015

Program	Civil	CSE	ECE	EEE	MECH	S&H
As Resource persons in the workshops/Seminars	1	2	2	1	1	2
FDPs	3	17	15	1	10	3
Seminars	1	1	1	2	2	3
Workshops	3	2	7	2	2	3

2015-2016						
Program	Civil	CSE	ECE	EEE	MECH	S&H
As Resource persons in the workshop/Seminar	--	2	2	1	1	2
FDP	5	10	32	5	20	9
Seminar	2	4	2	5	2	2
Workshop	1	3	4	2	2	2

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

The institution extends full support for the professional development of the faculty in many ways.

- The Institute organizes seminars, workshops and FDP's for enrichment of faculty knowledge.
- The Institute subscribes to reputed journals like IEEE, IETE, ISTE etc., for the reference of all faculties.
- Encourages the faculty for paper publications.
- Free transport facility provided for all teaching and non teaching staff members.
- Contribution for Employee Provident Fund (EPF) to staff as per norms.
- Senior faculty is given desktop with internet facility. For other faculty, systems are provided in the computer lab with Internet access.
- The College Management provides budget for conducting workshops / seminars / conferences / sanctioning the funds.

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

- The Faculty who has produced 100% results in the paper they handled, are given prizes in the Annual day function.
- The Faculty who has taken least number of leaves are recognized and appreciated by the Management and Principal.

S.No	Name of the Faculty	Name of the award	Department	Awarded by	Year
1	Dr. T.Kiran Kumar	Full financial assistance visit Brazil	AS&H	INPE, Brazil	2011
2	Dr. T.Kiran Kumar	Full financial assistance visit ICTP,Italy	AS&H	ICTP, Italy	2011
3	Dr. T.Kiran Kumar	Research article ranked 10 th in Science direct top 25 for January to March 2013	AS&H	Elsevier Publications	2013
4	Dr. T.Kiran Kumar	Research article ranked 14 th in Science direct top 25 for the year	AS&H	Elsevier Publications	2013
5	Dr. N. Vijaya	Best poster Award in National Conference	AS&H	STAR-11, Kerala	2011
6	Dr. N. Vijaya	Full financial assistance visit to Edinburgh, UK	AS&H	UKIERI, UK	2011

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

Yes, the institute has introduced an evaluation system by the students and external peers such as Alumni, Parents, and External auditing procedures of ISO. A feed-back pro-forma is given at the end of each semester for all the students. The whole process is highly confidential. The feedback form covers various teaching skills of the faculty members like communication, presentation, knowledge, content, voice clarity etc. This evaluation helps teachers to understand their teaching ability and encourages them to improve their teaching abilities as well as teaching learning process and they also realize the areas in which they are strong and where they are weak. The process helps the teacher to evaluate himself. These procedures have been instrumental in raising the standards of the processes and the quality of deliverable variables.

2.5 Evaluation Process and Reforms

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

- A handbook which includes academic regulations, course structure and detailed syllabus is provided to all the students at the time of admission and it is available in the college website, library and every department.
- The Stakeholders of the college i.e. students and faculty members and even the parents of the students are informed with the evaluation process covered as instructions in the prospectus of the college.
- The instructions and schedules issued by the parent university are regularly communicated to the students time to time.
- The faculty members read the instructions even in the classrooms and copy of the same is also displayed on the students notice-board.
- Students are informed at the start of the session regarding the internal examinations. Students are clearly informed the eligibility requirements to appear the internal assessment and final exams.
- The college makes effective arrangements for the smooth application of the rules about the evaluation processes. Staff meetings are conducted periodically to review the evaluation process, and the academic calendar along with syllabus books are provided to the students.

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

- The students are allotted with roll numbers based on the code and criterion given by the affiliating university.
- The internal evaluation is conducted for theory subjects on basis of descriptive, objective tests.
- The internal evaluation carries 20% weightage in R07 Regulation, the internal evaluation carries 25% weightage in R10 Regulation and now the internal evaluation carries 30% weightage in R13 regulation.
- The university has initiated various evaluation reforms viz.
 1. Introducing internal assessment system.
 2. Introducing on-line evaluation.
 3. Introducing OMR Answer Sheets.
 4. Introducing four sets of question papers for final examinations at the end of each semester.
 5. Introducing the table marking and evaluation by secret roll no's for transparency.The college has adopted various university reforms concerning evaluation viz.
- Class tests and assignment tests are conducted to evaluate the performance of students.
- Student centric learning by assignments, projects, seminars and practical sessions.
- Periodical project reviews are conducted for assessment of student performance in projects.
- Laboratory internal and external examinations are evaluated by proper scheme of valuation.

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

- The evaluation reforms of the university are followed with the best of the spirit. The evaluation system is fair; the students are satisfied by showing them the evaluated performance in the answer scripts. Any doubt in evaluation is made clear to the students. All records are maintained i.e. answer scripts, marks lists etc. weekly tests are taken and the records are maintained.
- Students can apply for Revaluation and Challenging Revaluation procedures of the University regarding the end semester examinations.

At college level:

- Whenever class tests and term tests are held the results of the student's performance/awards are shown to the students to encourage them or counsel them for better future performance. The college has followed the examination system as prescribed by the JNT University, Kakinada.

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

University is the sole authority for implementation of reforms in examination and evaluation but faculty members who are the part of academic bodies of the university in campaign for reforms. For bringing about a positive change in the evaluation practices, the college adopts both formative and summative methods of evaluation. As the college is affiliated to JNTUK, Kakinada, reforms and regulations of the University in examinations and evaluation are followed.

- The formative evaluation includes evaluation of the students' achievement through seminars and class tests.
- Assignments on advanced topics for knowledge enhancement of students.
- The evaluation through these approaches gives a lot of information about student achievement after teaching a particular unit.
- The concerned teacher has some information about the student and necessary steps about his/her improving can be pondered over.
- The summative evaluation is done during internal examinations. All faculty members follow the formative approach to measure student's achievements and performance through 1) class test 2) assignments.
- For summative approach two internal tests are taken in the college. This is how the college uses the formative and summative evolution approaches in the campus.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioural aspects, independent learning, communication skills etc.**Academic monitoring system**

The student's performance in the classrooms through slip tests, interactions, internal assessment tests and assignments is observed and academic performance is monitored. Their performance is also observed in end semester examinations taking both theoretical and practical aspects into consideration.

Regularity

The regularity of the student is monitored by recording presence /absence in every class by taking class attendance. Phone calls are made to the parents of the students those who are absent for the class.

Co-curricular and extra-curricular activity

The student's area of interest in various co-curricular and extracurricular activities is monitored and their participation/non participation is recorded. They are availed conditional attendance in the class on account of their participation in such activities.

The students are constantly guided to progress about the above activities with encouragement. The students and parents are intimated about the progress through mail, letter and in parent-teacher meet. For the progress of the students, parents and local guardians are invited to the college to discuss the necessary action to be implemented.

Improvements in solution of question papers

From the guidance of the senior faculty members there has been betterment in the quality of question papers and solutions devised for these papers.

Weightage in Internal Assessment

After the evaluation of the tests / projects /assignments etc. the outcome results are discussed in the class, results are put on the notice board, students are individually counselled, feedback taken from the students for better assessment, as well as improving the existing methods of assessment. While evaluating students for internal assessment, transparency is maintained and due weightage is given for their behavioral attributes, independent learning and communication skills.

2.5.6 What is the graduate attributes specified by the college/ affiliating university?

How does the college ensure the attainment of these by the students?

The Graduate Attributes are specified by the affiliating University in the form of Programme Outcomes (PO) specific to each and every programmes offered by the University. These POs are aligned with the Engineering Graduate attributes, viz:

- Engineering Knowledge
- Problem Analysis
- Design & Development of Solutions
- Investigation of Complex Problem
- Modern Tools Usage
- Engineer and Society
- Environment & Sustainability
- Ethics
- Individual & Team work
- Communication

Following are some of the significant achievements over the last four years. The program outcomes are achieved through curriculum that offers mandatory courses and

elective courses. Each course has defined course outcomes that are mapped to the program outcomes and a set of the performance criteria that are used to provide quantitative measurement of how well course outcomes are achieved. The course outcomes are thus directly and quantitatively assessed, and are correlated to the program outcomes as per the course curriculum. Therefore if the course outcomes are met, the program outcomes are met. With the implementation of the specified delivery methods, the effectiveness of the courses is enhanced which helps in the attainment of POs. The following lists the different modes of content delivery of the courses:

- Lecture interspersed with discussions
- Presentations using LCD Projector
- Tutorial
- Demonstrations
- Individual/ Group project
- Seminars & Assignments
- Expert(Guest) Lectures
- Industrial Visit
- Specialized Training

The college ensures the attainment of POs by the students through an evaluation and assessment plan which consists the Class attendance and involving in the class discussions etc.

- Homework and Assignments
- Projects
- Slip tests
- Internal Assessment Examinations
- Retests
- Independent learning and behavioural aspects
- End-Semester Examinations
- Paper presentations
- Feedbacks

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

Yes, the college uses the following methods of assessment/evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning:

S.No	Assessment Criteria	Outcomes
1	Examinations (Slip test/Internal Exams/External Exams)	Leading to understanding the concepts in depth and applying the knowledge to solve practical problems.
2	Project	Develops the hands on experience and technical knowledge
3	Attendance	Leads to punctuality and discipline.

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

At College Level

Internal evaluation is made by the concerned subject teacher. The evaluated answer sheets are shown in the class. The students approach the teachers if they need a clarification on the award of marks based on the answers and scheme of valuation discussed in the class/ university.

University examinations:

The university has adopted the mechanism for redressal of grievances. Within stipulated days of announcement of the results, students can apply for reevaluation/rechecking by filling a form through the registrar of the college. Faculty and the college examination in-charge under instructions from Principal forwards applications for reevaluation to the university and follow it up regularly for speedy redressal of grievances. Also, university allows “challenge evaluation” for re-evaluation of answer sheets by university nominated second examiner.

2.6 Student Performance and Learning Outcomes

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

The objective of the institution is to foster holistic development and inculcate a sense of belonging and passion towards seeking knowledge in a student. As such each department of the college has specific goals to be attained and these are termed as Program Education Objectives (PEO). A concerted effort is made to coordinate Program outcomes (PO) and course outcomes (CO). The outcome of these developments is displayed on the department notice boards. The students too are made aware of these outcomes so as to enable the effective monitoring of the same as per the curriculum requirements. Each department prepares PO to each subject based on the criteria

mentioned by AICTE. Each programme will be mapped to cover some of the following outcomes.

- a) The capability of writing correct and good computer programs.
- b) The ability to understand the professional and ethical responsibilities of an engineer
- c) The ability to express ideas through written communication effectively
- d) The ability to construct appropriate abstractions to manage complexity and to think creatively about new problems.
- e) The capability to perform independently
- f) The capability to apply knowledge of applied science, mathematics and Engineering principles to solve complex problems
- g) The capability of communicating well via oral presentations
- h) The ability to work in a team
- i) The ability to acquire the foundations to do well in post graduate school
- j) The ability to understand the problems and trends in computing and information processing issues relative to society
- k) The capability to succeed in competitive examinations

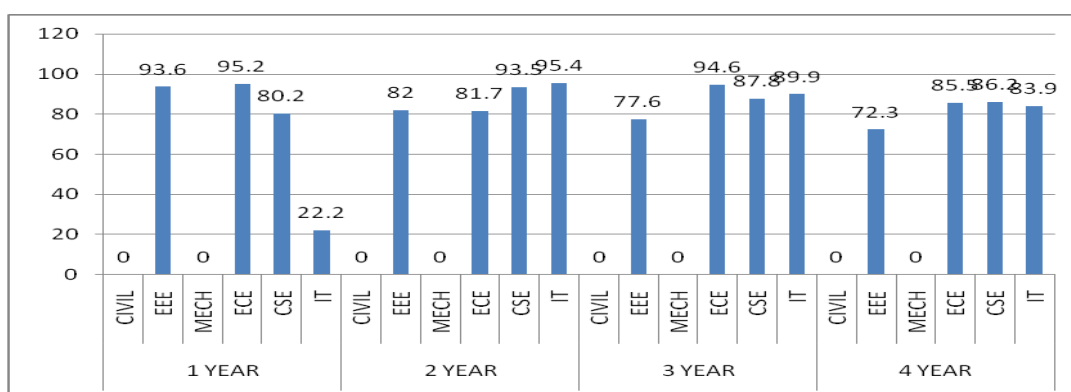
The faculty is aware of the objectives and outcomes and they are listing them with the course files. The expected levels of learning outcomes of a course are made known to the students in the class room during the introductory lecture by the faculty.

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

Regular internal assessments form a part of the course. These assessments are conducted as per the parameters set by JNTUK and marks are analyzed. Marks related to the internal assessments are regularly updated to the wards. Students who secure low marks are regularly counseled. Remedial classes are conducted so as to motivate them to better their performance. Feed-back collected from the student is tabulated subject-wise two times per semester.

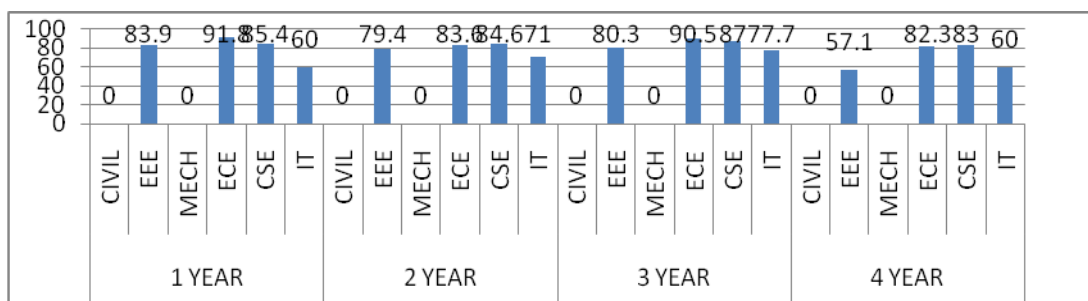
RESULT ANALYSIS OF 2008-2012 PASSED OUT BATCH												
Year&Sem	Programme	no of written	Passed	pass%	Year&Sem	Programme	no of written	Passed	pass%	Year	Programme	pass%
1st year	CIVIL	--	--	--						1 YEAR	CIVIL	--
	EEE	63	59	93.6							EEE	93.6
	MECH	--	--	--							MECH	--
	ECE	63	60	95.2							ECE	95.2
	CSE	56	50	80.2							CSE	80.2
	IT	45	10	22.2							IT	22.2
2_1	CIVIL	--	--	--	2_2	CIVIL	--	--	--	2 YEAR	CIVIL	--
	EEE	67	46	68.6		EEE	67	64	95.5		EEE	82
	MECH	--	--	--		MECH	--	--	--		MECH	--
	ECE	66	46	69.6		ECE	66	62	93.9		ECE	81.7
	CSE	62	58	93.5		CSE	62	58	93.5		CSE	93.5
	IT	55	52	94.5		IT	55	53	96.3		IT	95.4
3_1	CIVIL	--	--	--	3_2	CIVIL	--	--	--	3 YEAR	CIVIL	--
	EEE	67	51	76.1		EEE	67	53	79.1		EEE	77.6
	MECH	--	--	--		MECH	--	--	--		MECH	--
	ECE	66	62	93.9		ECE	66	63	95.4		ECE	94.6
	CSE	62	53	85.4		CSE	62	56	90.3		CSE	87.8
	IT	55	47	85.4		IT	55	52	94.5		IT	89.9

4_1	CIVIL	--	--	--	4_2	CIVIL	--	--	--	4 YEAR	CIVIL	--
	EEE	67	58	86.5		EEE	67	39	58.2		EEE	72.3
	MECH	--	--	--		MECH	--	--	--		MECH	--
	ECE	66	61	92.4		ECE	66	52	78.7		ECE	85.5
	CSE	62	52	83.8		CSE	62	55	88.7		CSE	86.2
	IT	55	53	96.3		IT	55	41	74.5		IT	83.9



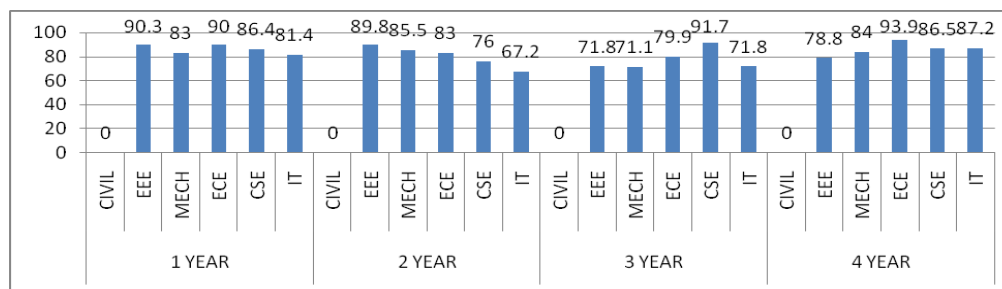
RESULT ANALYSIS OF 2009-2013 PASSED OUT BATCH												
Year&Sem	Programme	no of written	Passed	pass%	Year&Sem	Programme	no of written	Passed	pass%	Year	Programme	pass%
1st year	CIVIL	--	--	--	2_2	CIVIL	--	--	--	1 YEAR	CIVIL	--
	EEE	56	47	83.9		EEE	56	49	87.5		EEE	83.9
	MECH	--	--	--		MECH	--	--	--		MECH	--
	ECE	122	112	91.8		ECE	122	112	91.8		ECE	91.8
	CSE	62	53	85.4		CSE	62	58	93.5		CSE	85.4
	IT	45	27	60		CSE	62	58	93.5		IT	60
2_1	CIVIL	--	--	--	2_2	CIVIL	--	--	--	2 YEAR	CIVIL	--
	EEE	56	40	71.4		EEE	56	49	87.5		EEE	79.4
	MECH	--	--	--		MECH	--	--	--		MECH	--
	ECE	122	92	75.4		ECE	122	112	91.8		ECE	83.6
	CSE	62	47	75.8		CSE	62	58	93.5		CSE	84.6

	IT	45	26	57.7		IT	45	38	84.4		IT	71
3_1	CIVIL	--	--	--	3_2	CIVIL	--	--	--	3 YEAR	CIVIL	--
	EEE	56	47	83.9		EEE	56	43	76.7		EEE	80.3
	MECH	--	--	--		MECH	--	--	--		MECH	--
	ECE	122	114	93.4		ECE	122	107	87.7		ECE	90.5
	CSE	62	55	88.7		CSE	62	53	85.4		CSE	87
	IT	45	32	71.1		IT	45	38	84.4		IT	77.7
4_1	CIVIL	--	--	--	4_2	CIVIL	--	--	--	4 YEAR	CIVIL	--
	EEE	56	27	48.2		EEE	53	35	66		EEE	57.1
	MECH	--	--	--		MECH	--	--	--		MECH	--
	ECE	122	96	78.6		ECE	122	105	86		ECE	82.3
	CSE	62	51	82.2		CSE	62	52	83.8		CSE	83
	IT	45	27	60		IT	45	27	60		IT	60



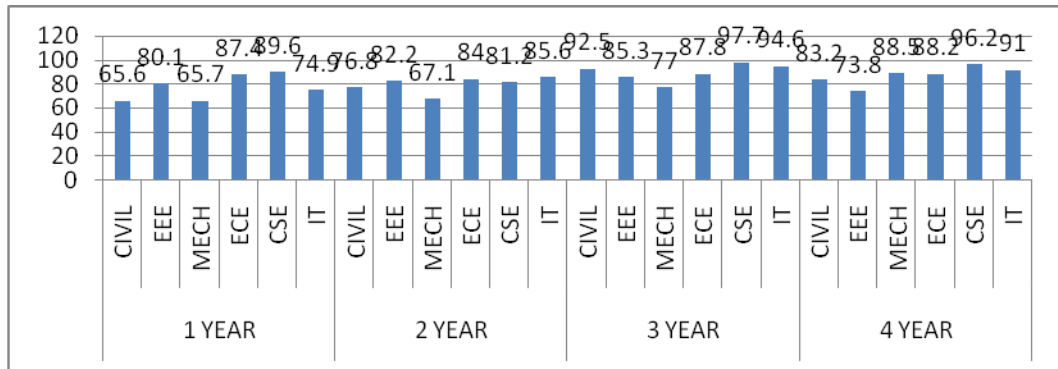
RESULT ANALYSIS OF 2010- 2014 PASSED OUT BATCH												
Year&Sem	Programme	no of written	Passed	pass%	Year&Sem	Programme	no of written	Passed	pass%	Year	Programme	pass%
1_1	CIVIL	--	--	--	1_2	CIVIL	--	--	--	1 YEAR	CIVIL	--
	EEE	52	48	92.3		EEE	52	46	88.4		EEE	90.3
	MECH	59	50	84.7		MECH	59	48	81.3		MECH	83

	ECE	116	107	92.2		ECE	116	102	87.9		ECE	90
	CSE	59	54	91.5		CSE	59	48	81.3		CSE	86.4
	IT	54	48	88.8		IT	54	40	74		IT	81.4
2_1	CIVIL	--	--	--	2_2	CIVIL	--	--	--	2 YEAR	CIVIL	--
	EEE	64	57	89		EEE	64	58	90.6		EEE	89.8
	MECH	66	54	81.8		MECH	66	59	89.3		MECH	85.5
	ECE	142	120	84.5		ECE	142	116	81.6		ECE	83
	CSE	67	57	85		CSE	67	45	67.1		CSE	76
	IT	55	37	67.2		IT	55	37	67.2		IT	67.2
3_1	CIVIL	--	--	--	3_2	CIVIL	--	--	--	3 YEAR	CIVIL	--
	EEE	64	46	71.8		EEE	64	46	71.8		EEE	71.8
	MECH	66	45	68.1		MECH	66	49	74.2		MECH	71.1
	ECE	142	121	85.2		ECE	142	106	74.6		ECE	79.9
	CSE	67	63	94		CSE	67	60	89.5		CSE	91.7
	IT	55	44	80		IT	55	35	63.6		IT	71.8
4_1	CIVIL	--	--	--	4_2	CIVIL	--	--	--	4 YEAR	CIVIL	--
	EEE	64	62	96.8		EEE	64	39	60.9		EEE	78.8
	MECH	66	57	86.3		MECH	66	54	81.8		MECH	84
	ECE	142	134	94.3		ECE	142	133	93.6		ECE	93.9
	CSE	67	57	85		CSE	67	59	88		CSE	86.5
	IT	55	50	90.9		IT	55	46	83.6		IT	87.2

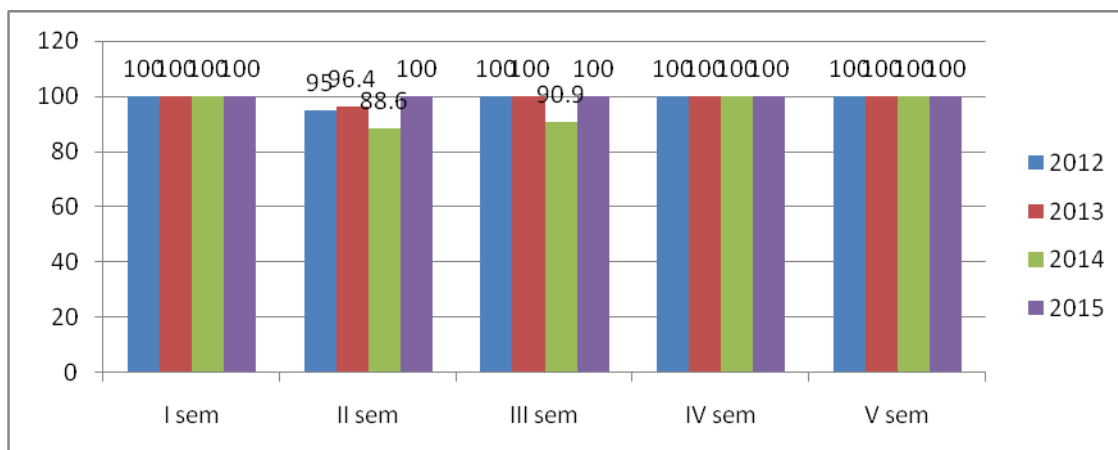


RESULT ANALYSIS OF 2011-2015 PASSED OUT BATCH												
Year & Sem	Programme	no of written	Passed	pass %	Year & Sem	Programme	no of written	Passed	pass %	Year	Programme	pass %
1_1	CIVIL	51	38	74.5	1_2	CIVIL	51	29	56.8	1 YEAR	CIVIL	65.6
	EEE	53	40	75.4		EEE	53	45	84.9		EEE	80.1
	MECH	54	40	74		MECH	54	31	57.4		MECH	65.7
	ECE	108	98	90.7		ECE	108	91	84.2		ECE	87.4
	CSE	58	54	93.1		CSE	58	50	86.2		CSE	89.6
	IT	56	44	78.5		IT	56	40	71.4		IT	74.9
2_1	CIVIL	54	33	61.1	2_2	CIVIL	54	50	92.5	2 YEAR	CIVIL	76.8
	EEE	65	48	73.8		EEE	65	59	90.7		EEE	82.2
	MECH	61	33	54		MECH	61	49	80.3		MECH	67.1
	ECE	132	109	82.5		ECE	132	113	85.6		ECE	84
	CSE	67	54	80.5		CSE	67	55	82		CSE	81.2
	IT	56	44	78.5		IT	56	52	92.8		IT	85.6
3_1	CIVIL	54	52	96.2	3_2	CIVIL	54	48	88.8	3 YEAR	CIVIL	92.5
	EEE	65	57	87.6		EEE	65	54	83		EEE	85.3
	MECH	61	49	80.3		MECH	61	45	73.7		MECH	77
	ECE	132	122	92.4		ECE	132	110	83.3		ECE	87.8
	CSE	67	66	98.5		CSE	67	65	97		CSE	97.7
	IT	56	53	94.6		IT	56	53	94.6		IT	94.6
4_1	CIVIL	54	48	88.8	4_2	CIVIL	54	42	77.7	4	CIVIL	83.2

EEE	65	63	96.9	EEE	65	33	50.7	YEAR	EEE	73.8
MECH	61	54	88.5	MECH	61	54	88.5		MECH	88.5
ECE	132	119	90.1	ECE	132	114	86.3		ECE	88.2
CSE	67	66	98.5	CSE	67	63	94		CSE	96.2
IT	56	52	92.8	IT	56	50	89.2		IT	91



PG:				
RESULT ANALYSIS OF MCA, 2012 - 2015 PASSED OUT BATCHES				
passed out batch & pass %				
Semester	2012	2013	2014	2015
I sem	100	100	100	100
II sem	95	96.4	88.6	100
III sem	100	100	90.9	100
IV sem	100	100	100	100
V sem	100	100	100	100



Programme/course wise comparison of the analysis of the student's results/achievements for last four years is illustrated in the above bar chart. It is evident that the pass percentage of the students is the highest in our zone amongst all affiliated colleges of JNTUK.

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

A supportive, challenging environment is created for the student so as to make them reach their optimal potential. Thus the institution has formulated the curriculum, teaching modes as well as assessments to match these goals. In order to enhance and achieve the above said goals the college had formed academic committees. These take care of fostering and inculcating a spirit of inquiry and an intellectual environment. Students take an active share in these endeavours in order to develop themselves into self driven and self regulated individuals with a set of values, skills and attitudes to enhance their employability and career growth. Some of the strategies to facilitate assessment and learning outcomes are:

Teaching Strategies:

The teaching and learning strategies are structured to facilitate the achievement of the intended learning outcomes by designing the academic plan, lesson plan, suitable teaching-learning methods, by implementing them with necessary additions or modifications as per need, and by evaluating the student's performance periodically.

- Start by asking students what they know and build their knowledge and confidence by teaching a new topic.
- Explain the importance of a topic being taught and its relevance to the industry, etc.
- Give practical examples particularly when explaining difficult concepts.
- Move around the classroom and interact with students while they solve problems or read texts, or even while just giving the lecture.
- Speak clearly and audibly.
- Be available for formal and informal contact after class.

- Move ‘back-benchers’ to the front, helping to get less confident, bored or disruptive students engaged.

Learning Strategies:

Both faculty and students agree that student participation in the classroom must be encouraged because it engages students more, builds their confidence, and helps clear their doubts. There are many ideas for teachers to increase student participation, enjoyment and effectiveness.

- Ask students questions at the beginning of each class about the previous lesson, thereby helping them to revise the earlier material and providing continuity.
- Give assignments; ask the students to prepare charts and review these collectively with the students, selecting the most useful to display in the classroom.
- Encourage students to ask questions in class, giving extra chances to weak students.
- Increase the amount of ‘hands-on’ work in labs, workshops, and projects.
- Mixing students of different abilities, or varying language skills, is useful.
- Give students a problem at the end of a class to solve and present in the next class.
- Ask students to solve problems on the board or on paper individually or in groups.

Assessment Strategies

(i) Direct Assessment

- Performance evaluation by conduct tutorials and assignments
- Appraisal of performance through internal as well as external examinations in practical and theory subjects.
- Learning outcomes are assessed through classroom interactions. .
- The Science & Humanities Department takes the responsibility of facilitating language improvement through different programmes like creative writing, vocabulary and language sessions.
- The technical skills of the students are increased through various programmes conducted by individual departments.
- Project works/seminars/comprehensive viva are also a part of the evaluation process of a student.
- Syllabus coverage is monitored regularly

(ii) Indirect Assessment :

- Alumni feedback
- Exit feedback
- Employer feedback
- Self-reports

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

All the students are exposed to various activities like presentations, projects, assignments etc and moreover they are allowed to take responsibility in conducting activities/events to develop the confidence for better problem solving skills, decision making capacity and leadership qualities which makes them to understand the challenges in assignments.

- Every institute has social as well as economic responsibility.
- The Institute has signed MoUs with esteemed companies.
- T&P Cell conducts expert lectures, pre-placement talks and guidance for higher studies.
- Faculty is encouraged to present and publish research papers in conferences and journals.
- Seminars/workshops on entrepreneurship are conducted to create awareness by inviting experts from industry.
- Organization of various social activities by NSS like blood donation camp, celebrating festivals with orphan, awareness through special NSS camps, rural area cleaning activity etc.

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

Institution has specified procedure to collect and analyze data on student learning outcome;

The following points are adopted by the institute in this context:

- Continuous evaluation comprising of class tests, session tests, assignments.
- Mentorship classes, class tests, viva in the lab.
- Projects.
- Internal and External examination.
- Seminar and project presentation by students

Institute has taken following steps to overcome barriers:

- By showing answer books to students to make them aware about the relative strengths and weaknesses.
- Minimum attendance percentage (75%) and eligible criterion is followed.
- Extra classes for weak students to solve their problems.
- The regular evaluation of teachers (syllabus monitoring, faculty feedback (after every semester) help in the improvement of learning outcomes.
- If there is any issue, counseling has been done by HOD and corrective actions/ measures have been taken in that regard.

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

The institution has a clearly defined, set mechanism to monitor and ensure the achievement of the learning outcomes:

- As per the JNTUK norms academic schedule is planned.
- Regular tutorials and assignments.
- Tests and University examinations.

- Continuous assessment in both theory and lab subjects.
- Monitored the attendance of students and displayed on the department notice boards, once in a month.
- Conducting remedial classes for poor performance of the students.
- Periodic student feedback.
- Involvement of students in co-curricular, extra-curricular activities and social activities.
- The department prepares academic calendars and implements them effectively to achieve learning outcomes.
- Academic monitoring of teaching learning process is carried out and reports are discussed during meetings held with the Principal and HODs.

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

Yes, the Institute uses assessment and evaluation system as an indicator for student’s performance. The teacher uses following factors to check fulfilment of objectives:

- Performance in mid, semester exam and attendance percentage. Term work marks are calculated based on these assessments.
- General classroom behavior of the students is also kept in mind while evaluating the students.
- Online mock exam results help in knowing the performance and efforts can be taken by faculty to improve the performance of the student undertaken.
- Considering the performance of students, teachers can modify the teaching learning process for the overall development of students and to achieve the program outcomes.

2.6.8 Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

The following practices are adopted by the institution to promote student centric learning:

- Recruitment and retention of qualified and experienced staff.
- Awards and prizes to meritorious students on the occasion of Engineers day.
- Experts from academia and industry are invited for guest lecturers. This provides interaction and helps them to set higher goals and to realize their strength.
- Alumni interaction with the students.
- Students are encouraged to prepare lesson notes.

CRITERION III**RESEARCH, CONSULTANCY AND EXTENSION****3.1 Promotion of Research****3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?**

The institution is not recognized as research center and is planning to apply for research center under JNTUK, Kakinada

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

Yes, the College has a Research & Development cell to monitor and address the issues of research. Every month the R&D cell reviews the activities of each department. The composition of the Research & Development cell is as listed below

S.NO	NAME OF THE DEPARTMENT	NAME OF THE FACULTY	DESIGNATION
1	ECE	Dr.Y.V.Narayana	R&D Coordinator
2	CIVIL	Mr.N.Madhu	Associate Professor
3	CSE	Dr. R. Gandhiraja Dr.B.Bhanu Prakash Mr.R. Lalu Naik	Professor Professor Associate Professor
4	ECE	Dr.M.Mahesh Mr.K.Anjaneyulu	Professor Associate Professor
5	EEE	Mr.G.V.P. Anjaneyulu Mr.Sk.Abdul Kalam	Associate Professor Professor Associate Professor
6	MECH	Dr.K.R.M.Reddy Mr.V.V.Kondaiah	Professor Associate Professor
7	AS&H	Dr.N.Srinivasa Rao Dr.T.Kiran Kumar	Professor Associate Professor

Functions of College Research and Development Committee (CRDC)

- Inculcating a research culture among faculty and students.
- Motivating faculty to undertake Minor & Major Research Projects from various funding agencies and to conduct workshops/Seminars/Conference.
- Publishing Articles/Papers in reputed journals and books.
- Identification and assisting for finance from funding agencies and Management.

Some recommendations of the R&D committee are:

- Increase the number of research publications
- Obtain funds for research from various funding agencies
- Organize more seminars/conferences/workshops
- Provide incentives to faculty members working on funded project and good research publications.
- Motivate students to participate in research activities and publish papers.

Impact of recommendations is as follows:

- Because of encouragement and motivation from R&D cell and management, more number of project proposals were prepared by all the departments and are sent to various funding agencies.
- Faculty publications in National/International journals and conferences have improved.
- Participation of students in seminars/conferences has also increased.
- Memberships in Professional societies for Students and staff have increased.

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

- Autonomy to the Principal Investigator
- Timely availability for release of resources
- Enough infrastructure and HR
- Time-off, reduced teaching load, special leave to the teachers
- Support in terms of technology and information needs
- Facilitating timely auditing and submission of utilization certificate to the funding agencies

The institute encourages students and faculty to involve in research activities. If any project is sanctioned, full support to the PI is provided to implement the research scheme within the time frame. To create the interest among students and teachers, college has procured sophisticated equipment, updated library facilities and latest valued research journals.

Constitution of departmental R&D committees

Separate account is opened in the name of the Principal for the amount sanctioned by the respective funding agencies for timely release of the sanctioned funds for completion of the project and to submit the final technical report along with utilization certificates in scheduled time as prescribed by the respective funding agencies.

- The required budget is sanctioned to the department to procure required

equipment and software.

- Cash incentives are provided to the faculty to publish papers in reputed journals/conferences.
- Flexible and conducive timings and reduced work load to concentrate more on research.
- Conduct of knowledge exchange programmes by eminent resource persons for the benefit of faculty and students on research.

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

- The students are motivated to take part in different Tech-fests, Science fairs and Technical paper competitions.
- All the departments of the college also organize seminars to create interest in research among the students and to provide an opportunity to meet the distinguished experts in the relevant area.
- The students are encouraged for publications at national/ international level. Some students have won prizes in various technical competitions at national level.
- The college organizes national conferences/seminars/workshops twice in a year in each department in order to develop scientific temper among students.
- Encouraging faculty and students to publish more research papers in high impact factor journals and Science Citation Indexed journals
- Best projects of final year students are converted into papers for publication
- Project expo is conducted annually and the best project is awarded.
- Digital library is established with subscription to several standard journals, video lessons by NPTEL and COEERD..etc

Publications by Faculty and Students

S. NO	EVENT	2011-12	2012-13	2013-14	2014-15	2015-16
1	No of Internal Symposia Conducted	5	5	1	5	5
2	No of Papers presented in Internal symposium	100	143	6	75	104
3	No of students participated in internal symposium	152	224	-	132	163
4	No of workshops conducted	5	4	5	5	8
5	No of project expo conducted	2	2	-	3	6

6	No of projects exhibited	31	28	-	28	41
7	No of students participated in project expo	150	75	-	26	124
8	No of projects submitted to funding agencies	-	-	-	-	-
9	Funds received from different agencies	-	-	-	-	-
10	Number of publications by the faculty in National/International	15	27	54	51	28
11	Number of conferences by the faculty in National/International	6	4	7	12	9
12	Number of publications by the students in	-	1	33	-	2
13	Number of conferences by the students in	-	-	-	2	1

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

Guiding student research

Members of Faculty are actively involved in guiding student projects. The papers are published by the students and faculty of various disciplines in national & international conferences/ seminars and journals.

Leading Research Projects

Several faculty members have submitted the research proposals as principal investigators to national funding agencies for sanction of grants

Engaged in individual/collaborative research activity

The faculty members are actively involved in pursuing research work and publishing their findings in journals. All the professors are engaged in active research. The list of senior faculty members who guide PhD scholars is given below.

S.No	Department	Name of the Faculty	No of Scholars
1	ECE	Dr.Y.V.Narayana	4
2	AS&H	Dr.N.Srinvasa Rao	2
3	CSE	Dr.B.Bhanu Prakash	7

Faculty Registered for Ph.D Programme

TEC encourages its faculty to do research. After the inception of the college in 2008, **05(Five)** members were awarded Ph.Ds and **14 (Fourteen)** members are pursuing their Doctoral research in different disciplines at reputed institutions and universities. The Management encourages the faculty for professional development to undertake research work by motivating them to attend seminars, workshops, refresher courses and international & national conferences by giving them necessary financial support and special leave. The faculty of the college has published many research papers in reputed journals.

S.NO	Name of the Faculty	Department	Registered For	University	Year of Registration
1	Mr.R. Lalu naik	CSE	Ph.D	JNTUA	2010
2	Mr.T.Narendra Babu	CSE	Ph.D	JNTUK	2016
3	Mr.V.V Kondaiah	MECH	Ph.D	JNTUK	2008
4	Mr.G.Anil kumar	MECH	Ph.D	ANU	2013
5	Mr.M.Balaji Naik	MECH	Ph.D	ANU	2013
6	Mr.Ch.Rajani Kumar	MECH	Ph.D	JNTUK	2016
7	Mr.K.Anjaneyulu	ECE	Ph.D	ANU	2010

8	Mr.Ch.Paparao	ECE	Ph.D	JNTUH	2011
9	Mr.V.Srikanth	ECE	Ph.D	KLU	2013
10	Mr.G.V.P. Anjaneyulu	EEE	Ph.D	SV University, Tirupathi	2011
11	Mr.K.Srinivasa Rao	AS&H	Ph.D	JNTUK	2013
12	Mr.G.Gurunadham	AS&H	Ph.D	ANU	2012
13	Mrs.V.Ratna Kumari	AS&H	Ph.D	ANU	2014
14	Mrs.K.Lakshmi	AS&H	Ph.D	JNTUK	2012

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

- Our institution conducts periodical faculty development programs and yearly twice internal symposium and external symposium, national conferences, technical projects with focus on capacity building and inculcating research ambience.
- The institution also organizes interdisciplinary and department-wise workshops, training programmes and seminars. Following programmes are conducted / organized by the institution during last 5 years: 2011-12, 12-13, 13-14, 14-15, 15-16.

Workshop Details

Department of EEE					
2015-16					
S.No	Workshop/Guest lecture	Topic	Resource Person	Date	Source of funding
1.	Guest Lecture	Future Opportunities of Electrical Engineering stream in Govt	Mr. E. Srinivasa Rao	16-05-16	TEC

		sector			
2.	Guest Lecture	How to place ourself in Public Sectro unit	Mr. T. Chandra sekhar	15-03-16	TEC
3.	Workshop	PCB Design	Mr.G.Karthik Indo Global Services	04-03-16 05-03-16	TEC
4.	Guest Lecture	Novel Trends and Future Challenges in Electrical Engg	Mr. M. Koteswara Rao	01-03-16	TEC
5.	FDP	Instructional Design & Delivery Systems	Dr.Mukhopadhyaya Dr.C.R.Nagendra Rao Dr.Shiva Kumar NITTTR,Chennai	29-02-16 to 05-03-16	TEC
6.	Guest Lecture	Employment & Employability	Mr.M.R.K Murty CEO	28-12-15	TEC
7.	FDP	MATLAB & SiMULINK	Mr.G.Prem Kumar Capricot Technologies	26-06-15 27-06-15	TEC
2014-15					
1.	Guest Lecture	Advances in Microprocessor & Microcontrollers	Dr.Padmaja,Professor V.R Siddhartha Engineering College	07-04-15	TEC
2.	Guest Lecture	Digital IC Application using HDL	Dr.M.Mahesh MITS, Madanapalli	02-03-15	TEC
3.	Guest Lecture	Gate Orientation	Dr.Y.V Narayana Principal,TEC	25-11-14	TEC
4.	Seminar	Idea on GRE	Phonix Services	13-08-14	TEC
5.	Guest Lecture	Generator Design and Scope of Electrical Engineer in Core Sector in side INDIA and Abroad	Mr. V. Bhanu Murthy	04-07-14	TEC
2013-14					
S.No	Workshop/Guest lecture	Topic	Resource Person	Date	Source of Funding
1.	Seminar	Fundamentals instrumentation Required for SOLAR PV Power plant application	Mr. N. Ram Chander Sr. Asst. Prof, B.V.R Institute of Technology, Narasarapur	21-01-14	TEC

2.	Guest Lecture	Power Electronic Converters & Applications	K. Bhavana Associate Professor	17-11-13	TEC
3.	Seminar	Motivation on Personality Development	Dr.B.V Pattabhiram, Psychologist	18-09-13	TEC
4.	Guest Lecture	Electromagnetic Theory & applications	Dr.Y.V Narayana Principal,TEC	13-08-13	TEC
5.	Workshop	PCB Design	Mr.G.Karthik Indo Global Services	06-07-13 & 07-07-13	TEC
2012-13					
1.	Guest Lecture	MATLAB & SIMULINK APP IN Electrical Engineering	K.M.S.N. Krishna K.L. UNIVERSTIY	08-03-13	TEC
2.	Seminar	Area of Power Quality using WAVELET Transform	A. Jaya Lakshmi HOD & PROFESSOR JNTUH	27-02-13	TEC
3.	Workshop	Robotics	Mr.V.Anil Kumar, Technopllia Pvt.Ltd.Banglore	03-10-12 & 04-10-12	TEC
4.	Guest Lecture	Non Conventional Sources of Energy (WIND & SOLAR)	Y. Sreenivasa rao DVR & Dr. HS MIC COLLEGE OF TECH	29-09-12	TEC
2011-12					
1.	Guest Lecture	Energy Conservation	Mr. S. Ganapathi APGENCO	4-2-2011	TEC
2.	Seminar	Wireless Sensors & Networks	D.Hari Babu, Nobal College of Engg & Tech. for women	28-12-11	TEC
3.	Guest Lecture	POWER SYSTEM PROTECTION	Mr.N. Pitchaiah Div. Engineer, APSPDCL	21-12-11	TEC

Department of ECE				
2015-16				
SNo	Workshops/Guest Lectures	Topic	ResourcePerson	Date
1	Workshop	PCB Design	Mr.G.Karthik Indo Global Services	04-03-16 05-03-16

2	FDP	Instructional Design & Delivery Systems	Dr.Mukhopadhyaya Dr.C.R.Nagendra Rao Dr.Shiva Kumar NITTTR,Chennai	29-02-16 to 05-03-16
3	Guest Lecture	Bio Medical Instrumentation Engg	Mr.N.V.N.K.Suresh Kumar	6-01-2016
4	Guest Lecture	Applied Electro Magnetics	Dr.Y.V.Narayana	28-11-15
5	Guest Lecture	Embedded System Designing	V.GovindaRao,M.D, Microlink Peripheral Controls Pvt.Ltd	24-09-15
6	Workshop	Android and Application Development	Mr.K.Anjul Sharma, Mr.G.ManishPandey	1-08-2015 to 2-08-2015
7	Guest lecture	Employment and employability	MR.M.R.K.Murthy CEO	28-12-2015
8	FDP	MAT LAB and Simulink	Mr.G.Prem kumar Capricot Technologies	26-06-2015 to 27-06-2015
2014-15				
1	Guest lecture	Advances in micro processor & Micro controllers	Dr.Padamaja ,professor V.R.Sidhardha Engg College	7-04-2015
2	Guest Lecture	Digital IC Application using HDL	Dr.M.Mahesh MITS, Madanapalli	02-03-15
3	Workshop	Basic Electronics	R.L.Ravichandran Netaji Institute of Technology,Nalgonda	07-01-15 08-01-15
4	Guest Lecture	EMBEDDED SYSTEMS	Mr.Gopi Krishna Assoc prof. RGM,Nandyal	15-12-2014
5	Guest Lecture	GATE Orientation	Dr.Y.V Narayana Principal,TEC	25-11-14

6	Seminar	Idea on GRE	Phonix Services	13-08-14
7	Workshop	PCB Design	Mr.G.Karthik Indo Global Pvt.Ltd	27-06-14 to 28-06-14
8	FDP	VLSI & FPGA	Mr.Thomas Reddy St.Peters Engineering College,Hyderabad	16-06-14 17-06-14
2013-14				
1	Workshop	Acceler Robotix	Mr.V.Anil Kumar, Technopllia Pvt.Ltd.Banglore	18-03-14 19-03-14
2	Guest Lecture	Cognitive Radio(Communic ations)	Mr.G.N.Kodanda Ramaiah Kuppam Engineering College,kuppam	13-03-14
3	Guest Lecture	Signal Processing	N.Vishwanadth St.Peters Engineering College,Hyderabad	21-01-14
4	Seminar	Motivation on Personality Development	Dr.B.V Pattabhiram, Psychologist	18-09-13
5	Guest Lecture	Nano Electronics	Mr.Prakash Kodali,Research Scholar, IISc Bangalore	23-07-13
6	Workshop	PCB Design	Mr.G.Karthik	6-07-13 to 7-01-13
7	Guest Lecture	Automatic Speaker Recognition: Theory & Demo	Dr.V.Anil Kumar	4-07-13
2012-13				
1	Workshop	Microprocessor & Micro Controllers	Mr.P.Abbaiah Veena College of Tech & Sci	13-02-13 14-02-13

2	Guest Lecture	Low Power VLSI Design	Dr.M.Kama Raju	6-02-13
3	Seminar	E-Learning	Dr.Ramana Reddy,RGM Nandyal	04-01-13
4	Guest Lecture	Industrial Automation, Embedded Systems	E.Venkata Ramana,General Manager,B.D.M	11-12-12
5	Guest Lecture	Success	Dr.S.RamanaRao	6-10-12
6	Workshop	Robotics	Robotics team	3-10-12 to 4-10-12
7	Guest Lecture	Challenges to Electronic Engineers in present technological Dept	Dr.T.Ranga Babu	13-09-12
8	Seminar	Image Processing	P.Sudhakar Reddy SKIST,Kalahasti	23-08-12
2011-12				
1	Guest Lecture	Android Development	Mr.K.Arvinada Babu Uclid IT Schools,Hyderabad	15-02-12
2	Seminar	Wireless Sensors & Networks	Dr.Hari Babu,Nobal College of Engg. & Tech. for women	28-12-11
3	Workshop	Embedded Systems & RTOS	N.Venkateshwara Rao SRTIST,Nalagonda	10-10-11 11-10-11
4	Guest Lecture	Advances In Signal Processing	Dr.T.Kishore Kumar, NIT,Warangal	30-6-11
5	FDP	Image Processing	Mr.Y .Murali Mohan Babu Mr.P.V.Narayana Reddy	20-06-13 to 22-06-13

Department of CSE				
2015-16				
S.No	Workshop/Guest Lecture/Seminars	Topic	Resource Person	Date
1	FDP	Instructional Design and Delivery System	NITTTR, Chennai	29-02-2016 to 05-03-2016
2	Workshop	Microsoft tools	Mr.M.Kalyan Microsoft Business Solutions Pvt. Ltd	09-02-2016
3	Seminar	Sqoop Tool	Mr.T.Narendra Babu	02-04-2016
3	Guest Lecture	Current Trends in IT Sector	Mr.Varri Eswar prabhakar, senior manager, cognizant	12-03-2016
4	Guest Lecture	Current Trends in IT Sector	Mrs.Rajyalakshmi vadapally, technical manager, ibm	12-03-2016
5	Guest Lecture	General awareness on engineering employability	Mr.P.Uday Bhaskar appsc chairman	12-03-2016
6	Seminar	HIVE Tool	Mr.Ch.Chennakesava Rao	19-12-2015
7	Guest Lecture	Big data &Hadoop	Dr.E.V.Reddy, Professor Shinas College of Engg, Oman	19-08-2015
2014-15				
1	Seminar	Routing Protocols	Dr.R.Gandhi Raja	01-04-2015
2	Guest Lecture	Engineering Administration	Mr.Ch.Sridhar	27-3-2015
3	Guest Lecture	Information Security	Dr.Ch.Rupa, Professor	08-03-2015
4	Guest Lecture	Technical Trends in IT	Mr.Sastri Varanasi	15-3-2015

5	Guest Lecture	Ethical Hacking	Dr.S.Venkateswara Rao	20-1-2015
6	FDP	Big Data	Mr.T.Venu	07-10-2014 To 10-10-2014
7	Seminar	Micro Software Tools	Mr.Srikanth Yadav	17-08-2014
8	Workshop	Android Workshop	Mr.Ch.N.Srikrishna	25-11-2014 To 26-11-2014
2013-14				
1	Workshop	Net Technologies	P.Srinivasu Reddy	10-03-2014 & 11-03-2014
2	Guest Lecture	Ethical hacking	Dr.S.Venkateswara Rao	20-1-2014
3	Seminar	J2EE	Ms.D.Komali	11-02-2014
4	Guest Lecture	Image processing	Dr.E.Srinivas Reddy	7-3-14
5	Seminar	Quantum Cryptography	Mr.R.Lalu Naik	16-09-2013
6	Guest Lecture	Cloud computing	Dr.V.Krishna Reddy	10-10-13
7	FDP	PHP	Mr.M.Ramesh	19-12-2013 To 21-12-2013
2012-13				
1	Seminar	LIFI Technology	Mr.M.V.Pavan Kumar	17-01-2013
2	Seminar	E-Ball Technology	Mrs.T.Sajana	21-11-2012
3	Guest Lecture	Cloud Computing	Dr. V.krishna reddy	10-10-2012
4	Workshop	Hacking	Mr.M.Satish Kmar	8-1-

				2013 To 9-1- 2013
5	Guest Lecture	BIG DATA	Dr.M.V.P.Chandra Sekhara Rao	07-03- 2013
6	FDP	Image Processing	Mr.Y .Murali Mohan Babu Mr.P.V.Narayana Reddy	20-06- 13 to 22-06- 13
2011-12				
1.	Guest Lecture	Computer networks	Dr.S.Venkateswara Rao, Professor & HOD KLUniversity	29-09- 2011
2.	Guest Lecture	Image processing	Dr.E.Srinivas Reddy, Vice Principal ANU	7-03- 2011
3	FDP	Personal and professional Excellence visa-vis language & literatre	Mrs. Nirmala Sridharan	03-06- 11 to 04-06- 11
4	Seminar	Bio Metrics	Mr.U.Punna Reddy	26-10- 2011
5	Seminar	Unix Sheel Scripting	Mr.A.Nga Malik	28-01- 2012
6	Workshop	Network Secrity	Mr.Sandeep Sharma	14-02- 2014 To 15-2- 2012

DEPARTMENT OF MECH				
2015-16				
SNo	Workshops/ Guest Lectures	Topic	ResourcePerson	Date
1	Seminar	FEM Applications and analysis.	Prof. Ch.Ratnam Principal, University college of Engineering for women Andhra	17-06-2015

			University, Visakhapatnam.	
2	Workshop	Hybrid Vehicles	Dr.Sudeer Prem Kumar Prof. & Director of Academic Affairs, JNTUH.	20-07-2015
3	Seminar	Advances in FEM.	Dr.B.Bala Krishna murthy Professor, V.R Siddhartah Engineering College, Vijayawada	21-09-2015
4	Workshop	Smart materials	Dr.Ravindra Kommineni Professor & HOD, Mechanical Department, RVR&JC, Guntur.	14-12-2015
5	Workshop	A FDP on Instructional design and delivery system.	NITTTR, Chennai	29-02-2016 To 05-03-2016
2014-15				
1	workshop	Recent Advances in Mechanical Engineering	1.Mr.A.V.S. Chary(NSTL) 2.Dr.S.Kalyan Kamal(DMRL) Scientist-D 3.Dr.N.Vara Prasad(DRDO) Scientist-G 4.Dr.V.V.Subbarao, Professor,JNTUK	27-02-2015 to 28-02-2015
2.	Seminar	Advanced Finite Element Methods	Dr. Gupta, Professor,JNTUH ,Hyderabad.	16-06-2014
3	Workshop	Condition Monitoring	Prof. M.R.S.Satyanarayana HOD, Dept.of Mechanical Engineering GITAM. Visakhapatnam	22-09-2014
4.	Seminar	Nano Technology.	Dr.S.Kamaluddin Professor Dept. of Mechanical Engg., GITAM UNIVERSITY	17-11-2014
5	Seminar	Metal Forming	Dr.R.NarasimhaRao Assoc. professor,NIT Warangal,	27-02-2015
6.	Seminar	Recent advances in Composite	Dr.N.Ratna Prasad, Prof &H.O.D,Mechanical	30-03-2015

		Materials.	engineering dept,VR Siddhartha engineering college	
2013-14				
1.	Guest Lecture	Applications of Thermal Engineering	Dr.N.V.V.S.Sudheer,Professor RVRJC College	9-11-2013
2.	Seminar	Composite Materials	Dr.D.Siva Prasad Dept. of Mechanical Engg., GITAM UNIVERSITY	24-06-2013
3.	Seminar	Powder Metallurgy	Dr.Kalyan Kamal Scientist-F, DMRL, Hyderabad.	22-07-2013
4.	Workshop	Fracture Mechanics of composites	Prof. K.Ramji Director, Board of Studies, Andhra University,Visakhapatnam	30-08-2013
5.	FDP	Metal Forming	Dr.R.NarasimhaRao Assoc. professor,NIT Warangal,	18-09-2013
6.	Workshop	Advances in Internal Combustion Engines	Dr.V.Ganesan Dept. of Mechanical Engineering, IIT Madras.	21-10-2013
7.	Seminar	Hybrid Vehicles	Dr.Sudeer Prem Kumar Prof. & Director of Academic Affairs, JNTUH.	30-11-2013
8.	Seminar	Sheet Metal Forming.	Dr.N.Ravi, Professor, Department of Mechanical Engineering, IIT Delhi.	25-01-2014
9.	Seminar	Advances in Materials and Processing.	Dr. Moorthy Professor, Department of Metallurgy & Material Science Engineering, IISc Bangalore.	18-03-2014
10.	Seminar	Software for FEM Applications and Analysis	Prof. Ch.Ratnam Principal, University College of Engineering for Women Andhra University, Visakhapatnam.	21-04-2014
2012-13				

1.	Guest Lecture	DMMI	Mr.D.Srinivasulu,Associate Professor,KHIT	6-10-2012.
2.	Guest Lecture	DMMII	Mr.D.Srinivasulu,Associate Professor,KHIT	9-3-2013
3.	Guest Lecture	DMMI	Mr.M.RajaRai,Associate Professor,ANITS College, Visakhapatnam.	3-8-2012
4.	Guest Lecture	Thermal Engineering-I	Mr.D.Siva Reddy,MIC College	3-3-2013.
5.	Guest Lecture	Material Science & Metallurgy	Mr.K.Krishna Kishore,ANU	9-10-2012
6	Seminar	Honey Comb Structures	Dr.Janardhan, Scientist-F,DRDO	24-09-2012
7.	FDP	Nano Technology	Dr.S.Kamaluddin Professor Dept. of Mechanical Engg., GITAM UNIVERSITY	20-10-2012
8.	Workshop	Smart Materials	Dr.Ravindra Kommineni Professor & HOD, Mechanical Department, RVR&JC, Guntur	29-11-2012
9.	Seminar	Metrology for Defence.	Dr.Hari Prasad.B Scientist-G Head of Advanced Metrology Division, HRDL, Hyderabad	22-12-2012
2011-12				
1.	Workshop	Advances in Manufacturing Methods	Dr.K.N.S.Suman Dr . Madhusudhan Rao AU College of Engineering	18-07-2011 To 23-07-2011
2.	Workshop	Bio-diesel	Dr.D.Srinivas,Principal KHIT,Guntur	28-10-2011 To 29-10-2011
3.	Seminar	MEMS	Dr. Krishna Mohana Rao Professor, Dept. of Mech, JNTUH.	21-11-2011

DEPARTMENT OF CIVIL				
2015-16				
S.No	Workshops/G Guest Lectures	Topic	Resource Person	Date
1	Workshop	TotalStation Surveying	Civil Simplified Company	21-09-2015 to 23-09-2015
2	Seminar	Future Challenges in Civil Engineering	P.Subba Rao	15-2-2016
2014-15				
1	Workshop	Auto cadd &Stadpro	Poli reddy, Sky mount	13-11-2014 to 23-12-14
2013-14				
1	Seminar	R.C.C	Kodanda Ramaiah, HOD Civil, Gudlavalleru Engg College, Krishna(Dt)	27-11-13
2	Guest Lecture	Geology	Mr. Ravi kumar, Prof, Geologist, Hindu Degree college, Guntur	9-11-13

Department of AS&H				
2015-16				
SNo	Workshops/ Guest Lectures	Topic	Resource Person	Date
1	Guest Lecture	Introduction to Nano materials	G.Manikya Rao, Head, Dept. of Physics, CR Degree college, Chilakaluripet`	30-7-2015
2.	Guest Lecture	Non destructive Testing	Dr.G.Sita Rama Raju	28-9-2015
3.	Workshop	Semi conductor Materials and their Applications	Dr.M.Chandra Sekhar, Research Associate, Dept. of Physics,SVU,Tirupati	26-12- 2015

4.	WorkShop	Atmospheric Physics- Understanding climate change	Dr.M.Roja Raman, Research Associate, Dept. of Physics,SVU,Tirupati	23-1-2016
5.	Guest Lecture	Recent Trends in Applied Mathematics	Dr.K.Ramanjaneyulu	23-1-2016
6.	Workshop	Boundary value problems	D.B.V.Apparao,KLU	4-2-2016
2014-15				
1.	Workshop	Science and Engineering Materials for future needs	Dr.J.Venkateswara Rao,Professor Bapatla Engg College	24-6-2014
2.	Workshop	Nano science and Engineering Applications	Dr.N.Srinivasa ,Professor,Vignan University	5-12-2014
3.	Guest Lecture	Recent Trends on Spectroscopic studies	Dr.V.Anuradha Professor,Vignan University	3-3-2015
4.	Seminar	Impact of Air pollution on climate change	Dr.Harish Gadhavi, Scientist-E, NARL, Gadanki	25-3-2015
5.	Guest Lecture	Instrumentation Technique for Research in Science and Technology	Dr.V.Anuradha Professor,Vignan University	16-4-2015
2013-14				
1	Guest Lecture	Advanced Oxidation Process	V.Rama Krishnan, Senior Lecturer Dept. of Chemistry , CR Degree college, Chilakaluripet	19-10-2013
2	Workshop	Evaluation and Prevention of Corrosion and Failures	Dr.Vijaya Saradhi. Head, Dept. of Chemistry, CR.Engineering College , Chilakaluripet	8-11-2013

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

Following are the details for the research areas and expertise of the faculty members of various departments.

S.No	Name of the Department	Area of Specialization/Research	Expert available
1	ECE	Antennas	Dr.Y.V.Narayana
2	ECE	Image Processing, Micro Processor & Micro Controller, Digital	Dr.M.Mahesh
3	ECE	Antennas	Dr. Vanajakshi
4	ECE	Image Processing	Dr. Venu gopal Rao
5	MECH	Surface Engineering	Dr.K.R.M.Reddy
6	CSE	Computer Networks	Dr.R.GandhiRaja
7	CSE	Data Mining, Machine Learning	Dr.B.Bhanu Prakash
8	AS&H	Atmospheric Physics & climate Change	Dr. T. Kiran Kumar(Physics)
9	AS&H	Functional Analysis	Dr.N.Srinivasa Rao(Mathematics)
10	AS&H	Glasses	Dr.N. Vijaya
11	AS&H	Ring Theory	Dr. G.Srinivasa rao

List of faculty who have engaged in active research and in implementation of research projects

Name of the faculty	Area(s) of specialization	Number of research scholars guiding	No of projects granted
Dr. Y. V. Narayana	Antennas	4	
Dr. M. Mahesh	Image Processing, Micro Processor & Micro Controller, Digital		
Dr. Vanajakshi	Image Processing		
Dr. Venu gopal Rao	Medical Imaging	8	
Dr. K. R. M. Reddy	Surface Engineering		
Dr. R. Gandhi Raja	Computer Networks		
Dr. B. Bhanu Prakash	Data Mining, Machine Learning	7	
Dr. T. Kiran Kumar (Physics)	Atmospheric Physics & climate Change		
Dr. N. Srinivasa Rao (Mathematics)	Functional Analysis	2	
Dr. N. Vijaya	Glasses		
Dr. G. Srinivasa rao	Ring theory		
Mr. R. Lalu naik	Quantum Cryptography		
Mr. T. Narendra Babu	Image processing, Cryptography		
Mr. V. V Kondaiah	Machine Design, Magnetic bearings		
Mr. G. Anil kumar	Composites		
Mr. M. Balaji Naik	Machine tools		
Mr. Ch. Rajani Kumar	Machine design		
Mr. K. Anjaneyulu	Communication and Signal processing		
Mr. Ch. Paparao	Communications		
Mr. V. Srikanth	Antennas		
Mr. G. V. P. Anjaneyulu	Advanced Power Electronics & Devices		
Mr. K. Srinivasa Rao	Graph Theory		
Mr. G. Gurunadham	Human Resource		
Mrs. V. Ratna Kumari	Finance & Marketing		
Mrs. K. Lakshmi	Organic Chemistry		

List of faculty who completed their Ph.D/M. Phil while working at this institution

S.NO	Name of the Faculty	Department	Research Degree	University	Year of Award
1	Dr. V. Venkata Rao	ECE	Ph.D	JNTUH, Hyderabad	2011
2	Dr. T. Kiran Kumar	AS&H	Ph.D	SV University, Tirupathi	2014
3	Dr. J. Santhan Kumar	AS&H	Ph.D	ANU,Guntur	2014
4	Dr.G. Srinivasa Rao	AS&H	Ph.D	ANU,Guntur	2016
5	Dr. Y.Srinivasa Rao	EEE	Ph.D	JNTUH,Hyderabad	2015
6	G. Srinivasa Rao	AS&H	M. Phil	ANU,Guntur	2007
7	M.V. Vijay Kumar	AS&H	M. Phil	ANU,Guntur	2012
8	K. Srinivasa Rao	AS&H	M. Phil	Annamalai University	2007

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

The college organizes National Conferences, Symposiums, Workshops and Seminars as the important events of collaboration where experts from industries and academia are invited for delivering special lectures and interact with teachers and students.

List of eminent personalities and researchers who visited the college during the last 5 years.

DEPARTMENT OF ECE		
S.No	Name of The Resource Person	Date of Visit
1	Mr.N.V.N.K.Suresh Kumar	6-01-2016
2	V.GovindaRao,M.D,Microlink Peripheral Controls Pvt.Ltd	24-09-15
3	Mr.K.Anjul Sharma, Mr.G.ManishPandey	1-08-2015 to 2-08-2015
4	M.L Narasimha Rao,VC,JNTUK	27-3-2015
5	Dr.B.Prabhakar Rao,VC,JNTUK	27-3-2015
6	Mr.V.Anil kumar	18-03-2014 to 19-03-2014
7	G.S.N.Raju,VC,Andhra University	15-3-2014
8	Dr.Padmaja	07-04-2015
9	Mr.G.Karthik	27-06-14 to 28-06-14

10	Mr.Prakash Kodali,Research Scholar, IISC Bangalore	27-07-13
11	Dr.V.Anil Kumar	4-07-13
12	Dr.M.Kama Raju	6-02-13
13	E.Venkata Ramana,General Manager,B.D.M	11-12-12
14	Dr.S.RamanaRao	6-10-12
15	Dr.T.Ranga Babu	13-09-12
16	Dr.G.Tulasi Ram Das,VC,JNTUK	12-4-2012
17	E.Venkata Ramana	11-12-12
18	Dr.T.Kishore Kumar	30-6-2011
19	V.Ramesh,General Manager,Telecom	26-3-2011
DEPARTMENT OF EEE		
S.No	Name of The Resource Person	Date of Visit
1	Mr.V.Bhanu Murthy	04-07-2014
2	Mr.N.Ramachader From B.V.Raju Institute of technology	21-1-2014
3	Mrs.K.Bhavana From P.V.P.siddhartha Engg college	17-11-2013
4	Y.Srinivasa Rao From K.L.University	29-09-2012
5	KMSN Krishna From K.L.University	29-09-2012
6	Mr.S.Ganapathi From AP GENKO	4-2-2011
DEPARTMENT OF MECHANICAL		
S.No	Name of The Resource Person	Date of Visit
1	Mr. A.V.S. Chary(NSTL)	27-02-2015
2	Dr.S.Kalyan Kamal(DMRL), Scientist-D	27-02-2015
3	Dr.N.Vara Prasad(DRDO), Scientist-G	28-02-2015
4	Dr.V.V.Subbarao, Professor, JNTUK	28-02-2015
5	Dr.N.V.V.S.Sudheer, Professor RVRJC college	9-11-13
6	Mr.D.Srinivasulu, Associate Professor, KHIT	6-10-12.
7	Mr.M.RajaRai, Associate Professor, ANITS college	3-8-12 .
8	Mr.D.Siva Reddy, MIC college	3-3-13 .
9	Mr.K.Krishna Kishore, ANU	9-10-12
DEPARTMENT OF CIVIL		
S.No	Name of The Resource Person	Date of Visit
1	Civil Simplified Company	21-09-2015 to 23-09- 2015
DEPARTMENT OF CSE		
S.No	Name of The Resource Person	Date of Visit

1	Mrs.Rajya Lakshmi Vadapally,Group Technical Manager,IBM,Hyderabad	12-3-2016
2	Mr.Varri Eswar Prabhakar,Senior Manager,Cognizant Technologies,Hyderabad	12-3-2016
3	Dr.E.V.Reddy , Professor, Shinas College of Engg Oman	19-08-2015
4	Dr.Ch.Rupa, Professor at Siddhardha College of Engg	08-03-2015
5	Mr.P.Srinivasa Reddy,Developer Sankalapa Software Solutions Pvt. Ltd	10-03-2014
6	Sastri Varanasi,Vice President,Tech Mahindra	15-3-2014
7	Dr.M.V.P.Chandra sekhar Rao ,Pofosser at R.V.R.J.C College of Engg	07-03-2013
8	Dr.E.Srinivas Reddy, Vice-Principal ANU	7-03-2013
9	Dr.V.Krishna Reddy, Prof.& HOD of CSE LBRCE college	10-10-2012
10	Dr.S.Venkateswara Rao , Professor & HOD, KLUUniversity	29-09-2011

DEPARTMENT OF AS&H

S.No	Name of The Resource Person	Date of Visit
1	Dr.P.Udaya Bhaskar,APPSC Chairman	12-3-2016
2	Dr.Cherukuri Sridhar,Joint Collector,Guntur(Dt)	27-3-2015
3	P.Arun Babu,RDO & Sub Divisional Magistrate, NRT	21-3-2013
4	J.Sathyanarayana,SP Guntur	21-3-2013
5	A.V. Veera Bhadra Rao,Municipal Commissioner,NRT	21-3-2013
6	A.Ravi Chandra,SP ,Guntur	12-4-2012
7	Dr.Garikipati Narasimha Rao, Maha Sahasra avadhani	12-4-2012
8	B.RamaRao,Session Judge ,NRT	26-3-2011
9	A.Ramana Rao, Arjuna and Dronacharya Awardee	26-3-2011
10	B.Ramananeyalu, District Collector, Guntur	26-3-2011
11	G.Raju,Dept of Physical Education, JNTUK,Vijayanagaram	26-3-2011

- Various short-term training programs for faculty are organized, for which experts are invited to deliver special lectures and make deliberations on important issues, teaching methodologies, journal publications and research works.
- The faculty members are encouraged to collaborate with elite professors of reputed institutions for their research activities.
- External experts are regularly invited by the college to enlighten the research scholars and students on advanced and emerging trends in research areas.

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

The sabbatical leaves are granted for the staff member to complete their research work. Special permissions also will be given to meet the research supervisors.

SNO	NAME OF THE SCHOLAR	DEPARTMENT	DURATION
1	Mr. Venkatrao	ECE	1-07-2010 to 28-11-2010
2	Mr. V.V.Kondaiah	MECH	1-1-2015 to 30-06-2015

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

It is compulsory for a student to give seminars on project work during project reviews.

- Students participate in various technological programmes and contests where they demonstrate their research and project works.
- Seminars/conferences/workshops are organized to create research awareness among students.
- Registration fee is paid by the college to the faculty and students for their participation and presenting research papers at national and International conferences.
- The awareness about the latest research articles, methodologies and trends available at institute level and university level is shared among the students and persons from all walks of life.
- Department-wise allocation based on intake is done in the annual budget to carryout R&D and student project works.

3.2 Resource Mobilization for Research

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

- In the Institute Annual Budget 3% of total receipts is allocated for research and development activities.

- The Research Activities are in Initial Status and in developing stage.
- The Management is committed to encourage the faculty in Research & Development activities and is ready to take up the Financial Assistance to possible level.
- The major portion of expenditure allotted for creating infrastructure facilities like purchase of equipments, software and other recurring expenditure like registration fee for conferences/journals for presentation/publication of technical papers, travel expenses etc. The details of budget (in Rs) earmarked for R & D

SNO	Department	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total
1	AS&H	25,000	28,000	36,000	58,000	65,000	2,12,000
2	CE			28,000	42,000	51,000	1,21,000
3	EEE	40,000	50,000	60,000	62,000	62,000	2,74,000
4	ME	20,200	22,400	24,300	26,100	30,500	1,23,500
5	ECE	20,000	40,000	50,000	40,000	40,000	1,90,000
6	CSE	53,000	60,000	65,000	75,000	1,00,000	3,53,000
Total							12,73,500

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

- College provides required financial support for the research projects and development.
- For all sanctioned workshops, seminars from funding agencies, seed money is provided by the college, only upon completion of such seminar / workshop and submits of utilization certificate along with audit report.
- One of Tirumala Engineering College faculty Prasanna Anjaneyulu of EEE Department has attended a workshop in NIT Warangal for his Research.

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

- The Institute provides the necessity financial support for the students in following areas:
- Travel-Grants in aid to the students those who attend for the National Journals and in International Conferences.
- Providing Internet Facility to the students throughout the day for their research.
- Providing E-Journals and E-Library to the students for their research.
- And also providing Required Budget to the students for successful completion of their project.

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

➤ The Institute has established one committee to identify the inputs or to identify their research proposals of various Departments in the college. This Committee takes the proposal of research from various departments.

➤ The Research Committee, on review of the proposal of the concerned faculty members, collects the opinions of the other departments or faculty on the research project and their involvement in the project. The Research Committee then conveys either approval or rejection to the project proposal.

The Institution has completed two successful major projects in various departments

1. EEE Department has successfully completed the solar project with the capacity of 2k.w with the co-ordination of ECE department in Tirumala Engineering College.

2. Mechanical Department has successfully completed the Production of Bio-Diesel.

3. ECE Department has completed the 2 LED Scrolling Display Boards with 3inch 11 feet.

4. Computer Science & Engineering Department has successfully developed the Aptitude software for the students to write aptitude tests.

5. Digital display board-College name, developed as in-house project developed by our efficient technical staff, worth of Rs. 2, 99, 000 /-

6. Institution is equipped with solar street light system, developed as in-house project

7. Solar tracking system-In-house project

8. Solar tree-In-house project

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

➤ Tirumala Engineering College has a well Stocked library with latest syllabus copies, Reference books and Text books and the institution also has eager to purchase latest books referred by the senior and expert faculty members every semester and every year.

➤ The college also maintains all licensed software's for each and every department.

➤ The college has enough computer systems of latest version with internet connectivity for all departments.

➤ The college has been encouraging all the faculty members and students to utilize the resources provided by the management even after the college hours also.

➤ The Institute provides buses to the faculty who resides after college hours for their research.

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

NIL

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

NIL

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

- The Central library subscribes national, international and e-journals to support the research work of students and faculty
- College R&D center provides the computing facility for both students and faculty.
- R&D cell is equipped with GDLC server (Galileo Integrated Digital Learning Center)
- Campus is equipped with internet connectivity of 10 Mbps speed Wi-Fi support for 24x7
- All the departments are equipped with state of the art laboratories, library and Internet facilities.
- Library and laboratories are kept open after the scheduled time to complete their projects
- Students are guided by highly qualified faculty to carry out their Project work
- All the departments are enriched with various research tools to promote research activities.
- The Following facilities are available at the Institute level

CSE	<ul style="list-style-type: none"> ○ Microsoft Windows Server 2010 ○ Windows 8.1 ○ MS-Office ○ Oracle 10g ○ Turbo C ○ Red hat server ○ Rational Rose
ECE	<ul style="list-style-type: none"> ○ MATLAB 8.2 ○ MULTI SIM NI ○ MENTOR GRAPHICS HEP ○ XILINX VIVADO
EEE	<ul style="list-style-type: none"> ○ PLC WPL SOFT for DELTA PLC
MECH	<ul style="list-style-type: none"> ○ Auto-CAD ○ ANSYS ○ CNC MILL
CIVIL	<ul style="list-style-type: none"> ○ STAAD PRO ○ Auto-CAD

AS & H	GLOBARENA
	○ Basic English Grammar
	○ Advanced Communication Skills
	○ Aptitude
	K-Van Solutions

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

- The College Research Committee stays in contact with the recent and advanced trends in the research related programmes
- .Support and Encouragement given to faculty members to organize seminars, workshops and conferences with Internal funding support and Funding agencies like AICTE/UGC/CSIR/DST/DRDO
- The Central library of the Institute outfitted with wide collection of books and different National and International Journals. IEEE Online journals are also accessible to the faculty.

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

NIL

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

- College City Center Equipped with Computing facility and broadband connectivity to carry out the Research Activities of both students and faculty after the College hours.
- As there are no such research facilities outside the campus and other laboratories, the institute has signed MOUs with industries and other agencies for promoting training, research and extension activities in technical education.

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

The college has excellent information resource center to carry out research activities of both faculty and students.

- College central library and department library are well equipped with books and various journals.
- E-journals and large collection of e-learning materials suitable for research activities are available.
- Central library is equipped with high end personal computers with high speed internet Connectivity.
- The central library is fully computerized with Barcode system and well protected with CCTV security

- The list of information resources available are

Central Library	
No of Titles	3266
No of Volumes	19247
Reference Books	1459
Back Volumes	89
Daily News papers	16
CD Titles	804
International Journals	14
National Journals / Magazines	60
Online Journals	Throgh DELNET
Digital Library	
No of Computers	28
Internet Connectivity	40 Mbps
Media Resource Centre	Reprographic facility and Printing.

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

The College has MOU's with different industries and foresees to have a tie up with research institutes for collaborative research in the near future.

3.4 Research Publications and Awards

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

*Patents obtained and filed (process and product) - NIL

*Original research contributing to product improvement - NIL

*Research studies or surveys benefiting the community or improving the services

Mr.T.Jagadeesh, Asst.Prof., Department of ECE, converted MATLAB code into DSP code and published a book titled "DSP implementation of a control for a forwarder crane Algorithm" forwarded by Jagadeesh Tati and Naga Praveen Parchuru (11-Jun-2012) in Lap Lambert Academic Publications. ISDN 3659148148 and EAN-9783659148149.

*Research inputs contributing to new initiatives and social development

Research inputs are given to students, fresher's for future analysis to improve the level of learning standards which helps to reach high position and getting good quality of life.

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

The college has a plan to start a new research journal from the coming academic year onwards.

3.4.3 Give details of publications by the faculty and students:

- Publication per faculty
- Number of papers published by faculty and students with h-index citations journals (national / international)
- Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

	Branch wise paper publications						
	CIVIL	EEE	ME	ECE	CSE	AS&H	TOTAL
2015-16							
International Journals	1	9	1	5	5	18	44
National Journals		0					1
International Conferences		3	1		1	3	5
National Conferences		1				2	3
Impact factor : Range /Average					0.9	2.3	3.2
Total papers	1	13	2	5	6	23	53
2014-15							
International Journals		2	4	3	5	11	23
National Journals	2					1	3

International Conferences			5	1		1	7
National Conferences				2		1	3
Impact factor : Range /Average					1.2	1.8	
Total papers	2	2	9	6	5	14	36
2013-14							
International Journals		13	1	35	12	3	51
National Journals		0					0
International Conferences		3				2	2
National Conferences		3	2			4	6
Impact factor : Range /Average					1.5	1.4	2.9
H-Index			3				3
Total papers	0	19	6	35	12	9	62
2012-13							
International Journals		4	3	27		1	31

National Journals						1	1
International Conferences							0
National Conferences		1				2	2
Impact factor : Range /Average						2	2
H-Index			1				1
Total papers	0	5	4	27	0	6	37
2011-12							
International Journals		5		15	1		15
National Journals		0					0
International Conferences		1		2	1		2
National Conferences		3		1			1
H-Index				1			1
Total papers	0	9	0	19	2	0	21

Books with ISBN numbers (give complete details)				“DSP implementation of a control for A forwarder crane Algorithm “ISDN 3659148148 and EAN-9783659148149.			
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3.4.4 Provide details (if any) of research awards received by the faculty.

S.No	Name of Faculty	Department	Details
1	Dr. T.Kiran Kumar	AS&H	Research article stood in top 25 for the year 2013

Faculty serving on the editorial boards of national and international journals

S.No	Name of Faculty	Department	Details
1	T. Jagadeesh	ECE	International Journals of Scientific Engineering & Technology (IJSET)
2	Dr. T. Kiran Kumar	AS&H	AAQR, ESPR(Springer), ASR(Elsevier)
3	Mr. M. Srikanth Yadav	CSE	IJRTET
4	Mr. R. Lalu Naik	CSE	SPRINGER QIP

Faculty members on the organization committees of international conferences, recognized by reputed organizations / societies

S.No	Name of Faculty	Department	Details
1	M.V.Ramesh	CIVIL	Member of Indian Geotechnical Society
2	Dr. T.Kiran Kumar	AS&H	Member of Indian Science Congress

3.4.5 Incentives given to faculty for receiving state, national and international recognitions for research contributions.

Financial assistance will be provided for attending the conferences and workshops

3.5 Consultancy

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

The institution at large has the method and policy to establish conglomeration between the institute, various industry and organization. The institute has developed a cell taking one senior professor and members to co-ordinate and contact with industry to develop industry institute interaction.

In addition to the normal methods of interacting to corporate interface like public relations work, organizing guest lectures and seminars, industrial visits, etc, leading to the placement of students, the institute strongly believes in establishing a firm foundation for corporate interface through some new practices.

We at TEC strongly involving with our sponsoring society for industrial interface in making corporate as our partners for good practices and skill development in our students.

Method and policy for establishing institute-industry interface:

- **Summer Training:** Students undergo summer training at the end of I-year for a week.
- **Experimental Learning:** There are ongoing projects / assignments that students do with multiple industries internships through MOUs.
- **Industrial Projects:** These projects are undertaken as a compulsory part of final trimester in II-year.

Department Of CSE:

S. No	Organization	Activity	Income
1	Online Examination Application	Conduct Exams online in TEC.	Rs.5000/-
2	Stock Maintenance System	Record the stock(fans,lamps,etc) in TEC.	Rs.7000/-
3	Transport Maintenance System	Record expenditure of buses in TEC.	Rs.10,000/-
4	Faculty Performance Index	To assess the faculty performance in TEC.	Rs.2500/-
5	Time Table Generator	To generate class time table.	Rs.6000/-
6	Interest Calculator	To calculate interest amount for SJS jewelers	Rs.2500/-
7	Suryaagars.com	Static Website for Surya Agar batties in Narasaraopet.	Rs.2000/-

Department of ECE:

SNO	YEAR	NATURE OF WORK	AGENCY ADDRESS &	INCOME GENERATED
1	05.01.2016	Software Solutions	Bestflux 16/2 Arundalpet,Guntur	Rs.15000/-
2	05.12.2015	Manufacturer of clean room instruments	Plot 77, shaktipuram, ACE instruments Kukatpally,Hyderabad	Rs.1000/-
3	25.09.2015	Servicing of Sewing machines	Singer India Pvt.Ltd Eluru Road	Rs.1000/-
4	02.12.2015	Overseas Education Services Collaboration with Foreign Universities	Texas Review Lakshmipuram Guntur	Rs.1500/-
5	10.02.2016	Servicing of Aeroplane spare parts	Tech aero Kukatpally Hyderabad	Rs.500/-

Department of Mechanical:

SN O	CLIENT	DURATI ON	AREA	INCOME GENERAT ED	FACULT Y INVOLVE D
1	B.Tech students from various engineering colleges	2013-2014	Bio Diesel Testing's	Rs.8000/-	Nasar Shaik
2	Die hard dies,India Pvt Ltd,Guntur	2014.2015	CNC programmin g for manicuring for dies	Rs.10000/-	G.Anil Kumar
3	Delta dies & Forgings,Vijayaw ada	2015-2016	Die design using CAD	Rs.12000/-	Dr.KRR Mohan Reddy

Department of EEE:

SNO	YEAR	NATURE OF WORK	AGENCY & ADDRESS	INCOME GENERATED
1	2013-14	Electrical wiring & DB panel design work	Jhyothirmai Textiles, Murikipudi	Rs.15000/-
2	2014-15	Electrical wiring & DB panel design work	Vallabha Feeds, Narasaraopet	Rs.25000/-
3	2014-15	2KW stand alone solar plant for Divider lights & name display	Tirumala Engineering College, c/o Venkata Ramana Charitable Trust	Rs.2,10,000/-
4	2015-16	Electric wiring & Electric work solar water heater in hostel	Padmavathi Ladies Hostel c/o Venkata Ramana Charitable Trust	Rs.50,000/-
5	2015-16	College name LED Display with institution resources (In-house)	Tirumala Engineering College, c/o Venkata Ramana Charitable Trust	Rs.2,90,000/-

Department of S & H:

SNO	YEAR	NATURE OF WORK	AGENCY & ADDRESS	INCOME GENERATED
1	2010-16	Soil Analysis	Farmers in near by villages	Rs.5000/-
2	2010-16	Water Analysis	For water (RO) plants nearby	Rs.20,000/-

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

The institute collaborates with other agencies/industries to help in setting up a better process for those industries and helps in solving their problems by sharing out

expert advice in the area of their interest. Below are some of the ways we advocate and publicize our expertise.

- During the interaction with various industries and other institutions, the Training & Placement cell explores the possibility of collaboration and coordination to allow our expertise to be put to proper use.
- Major areas of expertise are advertised through department homepage in the main college website and also through technical events/programmes.

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

The institute creates a platform via some workshops and conferences and motivates the faculty to perform their expertise and make sure they have enough skill to setup and promote association with industries/companies by which we can boost the consultancy services. The college encourages the qualified professionals of the college. This helps in promoting relation with industry/ companies. In return, the students can utilize the opportunity for training placements in the industrial sector.

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

NIL

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

NIL

3.6 Extension Activities and Institutional Social Responsibility (ISR)

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

- The Institution promotes practical experience for students to move social responsibility from theoretical foundation to practical applications.
- The Institution aims at development of students and transforming them into responsible citizens with moral values.
- The Institution organizes career guidance program to create awareness among the school students for choosing their career oriented courses after finishing the school education.
- The Institute has NSS Unit admitted for regular social service and organizes several social service and community development programs which provide social responsibility in the minds of students.
- NSS Unit of the college organizes a seminar on —Anti Ragging every year. Red Ribbon programe consists of student volunteers who create awareness on HIV/AIDS in surrounding villages.
- NSS Unit organizes a Special camp every year for 7-10 days in nearby adopted village covering issues like health education, literacy, traffic awareness etc.
- Career & Guidance Cell of the college creates self-confidence to the students. The cell interacts frequently with students and clear the doubts related to academic and

career oriented matters of the students.

- Developing technical, technological and professional competency needed for employment and productive work
- Creation and dissemination of new innovative knowledge for entrepreneurial practice and development and insight in entrepreneurial theory and practice.
- Developing leadership quality among the students and unemployed youth through Health awareness camp, Blood Donation Camps and literacy programs.
- The institute is conscious of its role in campus community development and neighborhood eco friendly development activities. These activities include:
- Organizing regular blood donation camps, blood donation on life saving emergency call participation of the faculty, student and the neighboring institutes, Various charity activities and relief funds during natural calamities.
- Organizing NSS camp where cleaning and sanitizing around neighborhood villages is done.

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

- Institute has mentor (in the form of faculty advisors) scheme through which the students’ social activities are observed.
- Mentors record the student achievement in such extension activities in the respective bio data file.
- Extra-curricular activities provide avenues to students to become aware of the social environment, morals, citizen responsibility for better society.

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

Institute provides both internal (governing council members, staff members, students etc.) and external (Parents, Community partners, public, or private sectors) stakeholders perception on the overall performance and quality of the institute.

- The external stake holders are invited to visit the campus and visually inspect its infrastructural facilities, interact with the members of faculty to obtain necessary information on the overall achievement of performance and quality of the institute.
- Parent-Teachers meeting are conducted to know about academic performance and quality of institution.
- Periodically performance reports are being sent to the stake holders through web publication and letters.

Students

- We value the opinions and needs of our students.
- One of the students of each class is nominated as Class Representative(CR). He / She communicates students requirements and problems to the teacher/faculty advisor/ Head of the Department concerned / Principal.
- Suggestion / Complaint box is placed at various places on the campus which are accessible to students.

➤ Students have the privilege to approach the Principal during working hours without prior appointment.

Parents

➤ Faculty advisor/ Head of the Department/ Principal interact with guardians regularly.

➤ They are intimated about academic performance and attendance percentage of their wards through meetings, letters and phone calls.

➤ Direct meeting of the guardians/parent with the HOD is facilitated.

➤ The views of parents are considered with respect to different aspects like planning of industrial visits, cultural programmes etc.

➤ Parents are allowed to meet the teachers/Batch Coordinators and Principal on any day of the week at any time to make any suggestions or complaints.

Staff:

➤ We have regular faculty meetings and reviews to update about changes and developments of the institute.

➤ Most of the decisions are taken only after consultation with the staff during staff meeting.

Alumni:

➤ We have an established alumni Association with a Professor in Charge.

➤ The association organizes meetings to discuss formal and informal interactions to review and analyze the suggestions from the alumni.

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

S.NO	DATE	ACTIVITY/EVENT	CONDUCTED BY	VENUE
2015-16				
1	22-3-16	Clean & Green awareness programme	TEC	Ponugupadu(Village), Phirangipuram(mandal)
2	23-3-16	Chlorination in village	TEC	Ponugupadu(Village), Phirangipuram(mandal)
3	24-3-16	Awareness programme on afforestation and deforestation	TEC	Ponugupadu(Village), Phirangipuram(mandal)
4	25-3-16	Blood Donation Camp	TEC	Ponugupadu(Village), Phirangipuram(mandal)

5	26-3-16	Water & food supply for temple's 100 year's celebration	TEC	Ponugupadu(Village), Phirangipuram(mandal)
6	27-3-16	Computer Awareness program	TEC	Ponugupadu(Village), Phirangipuram(mandal)
7	28-3-16	Awareness program on summer effects	TEC	Ponugupadu(Village), Phirangipuram(mandal)
2014-15				
1	10-Feb-14	Clean and Green Programme	TEC	Rangareddypalem, Jonnalagadda, Narasaraopet(M)
2	11-Feb-14	Chlorination in village	TEC	Rangareddypalem , Jonnalagadda, Narasaraopet(M)
3	12-Feb-14	Plastic usage awareness, literacy awareness in village	TEC	Rangareddypalem , Jonnalagadda, Narasaraopet(M)
4	13-Feb-14	Blood testing	TEC	Rangareddypalem , Jonnalagadda, Narasaraopet(M)
5	14-Feb-14	Arogya Sadhasu	TEC	Rangareddypalem , Jonnalagadda, Narasaraopet(M)
6	15-Feb-14	Madhyapaana Nishedam	TEC	Rangareddypalem , Jonnalagadda, Narasaraopet(M)
7	16-Feb-14	Plantation	TEC	Rangareddypalem , Jonnalagadda, Narasaraopet(M)
2013-14				
1	28-Feb-13	Clean and Green programme , identification of problems in village	TEC	SRKT COLONY, Kesanupalli(v), Narasaraopet(M)
2	1-Mar-13	Plantation programme	TEC	SRKTColony, Kesanupalli(v), Narasaraopet(M)
3	2-Mar-13	Plastic usage awareness, literacy awareness in village	TEC	SRKT Colony , Kesanupalli(v), Narasaraopet(M)
4	3-Mar-13	Judicial awareness	TEC	SRKT Colony , Kesanupalli(v), Narasaraopet(M)
5	4-Mar-13	Traffic awareness and anti-HarrassmentProgramme	TEC	SRKT Colony , Kesanupalli(v), Narasaraopet(M)
6	5-Mar-13	Health camp with free check up and Medicine	TEC	SRKT Colony , Kesanupalli(v), Narasaraopet(M)

2012-13				
1	3-Feb-12	Survey on works and Problems in village	TEC	BC Colony , Satuluru
2	4-Feb-12	Clean and Green programme	TEC	BC Colony , Satuluru
3	5-Feb-12	HIV/AIDS awareness programme	TEC	BC Colony , Satuluru
4	6-Feb-12	Judicial awareness and Blood Grouping camp	TEC	BC Colony , Satuluru
5	7-Feb-12	Health camp with free check up and Medicine	TEC	BC Colony , Satuluru
2011-12				
1	15-Aug-11	Distribution of Fruits and Blankets to Orphans	TEC	Ravi Shankar Orphan School,Puttakota(v),Phirangipuram(M)
2	14-Oct-11	Plantation Programme	TEC	Tirumala Engineering College Jonnalagadda,Narasaraopet
3	20-Nov-11	Blood testing Camp for all students and near by villagers	TEC	Tirumala Engineering College Jonnalagadda,Narasaraopet
4	1-Dec-11	AIDS awareness programme for all students	TEC	Tirumala Engineering College Jonnalagadda,Narasaraopet
5	10-Dec-11	Red Cross Society Blood Donation Camp	TEC	Tirumala Engineering College Jonnalagadda,Narasaraopet
6	25-Jan-12	Essay writing and Debate on Voters day celebrations by NSS volunteers	TEC	Tirumala Engineering College Jonnalagadda,Narasaraopet
7	25-Jan-12	Road Safety training programme by TVS motors	TEC	Tirumala Engineering College Jonnalagadda,Narasaraopet
2010-11				
1	30-Dec-10	Trauma Care , driving awareness	TEC	Jonnalagadda(v),Narasaraopet
2	31-Dec-10	Disaster Management (Flood)	TEC	Jonnalagadda(v),Narasaraopet
3	1-Jan-11	Cleaning school premises , Blankets distribution, Blood Donation	TEC	Upper Primary school,BC colony ,

4	2-Jan-11	Sanitation for colony drains, Need of education for each child	TEC	SC and BC colonies ,
5	3-Jan-11	Cleaning of local Temple , plantation and watering of plants	TEC	kotappakonda,Yallamanda(v) ,

The college conducts number of events and outreach activities which are related to academic, social, cultural, community service etc. These activities culminate in forming a healthy society that contributes to nation building. The college with the help of many voluntary organizations organizes these outreach programs. The expenditures for the same are generally borne by such organizations but over and above if need arises, it is spent from the college funds. The NSS unit has conducted several blood donation camps and tree plantation campaigns. Every year the institute organizes blood donation camp in the college premises where many students and staff members donate blood voluntarily. Many students have visited old age homes, orphanages and many other charitable societies.

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

The college undertakes wide spread cross-curricular enrichment activities through NSS Cell. During induction, the members of these units explain the students on the benefits and scope of the extension activities. The information about the proposed activities is disseminated on the notice board, circulars, web notifications, and also through oral interaction / briefing by the concerned section in charge.

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

TEC makes a conscious effort to promote social justice as a tool of value in learning system and administrative participation. The institution sincerely practices state social affirmative schemes introduced by the government for providing higher education to under privileged communities.

- College offers opportunities for personality development through training and placement cell.
- The college NSS unit has been organizing society welfare functions every semester. NSS training prepares students morally and ethically strong enough to face challenges and emergencies in day to day life.

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

Objectives of the extension activities

Extension activities conducted by the institute always inculcate academic learning experience, values and skills. The college is an equal opportunity institution established to provide knowledge and quality education to all wings of the society. Its objective is to maintain modern outlook with contemporary developments without compromising moral and ethical values. To inculcate skills and knowledge with quality based education to the students by inculcating moral values, scientific tempo and employability with resource of state of the art technologies. Its objective is to pursue excellence towards creating manpower with high degree of professional, intellectual and cultural aptitude to meet the national and global challenges.

Fruits of the extension activities

The extension activities meet the students' knowledge in academic learning and skill orientation. NSS programme gives value in:

- Leadership qualities
- Health and hygiene
- National Integration & Social service
- Ecology and environmental protection.
- Training in fire fighting and providing flood relief

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

- The institution encouraging communities to actively participate in all the extension activities that contributed both to community-institution networking and development of the institution.
- The local villagers are initially consulted and the youth of the villagers are invited to participate in all the NSS activities.
- Wide local participation is witnessed during tree plantation, blood donation etc. The alumni association also participates in all these extension activities.
- The institution has taken the initiation to make aware of the society about socio economic and health problems like female feticide, dowry system, environment protection, consumer protection awareness, anti corruption, HIV awareness, anti tobacco and cleanliness awareness etc.
- Time to time the survey is conducted to evaluate feedback and to bring improvement in society. Seminars, individual discussions and group discussions are conducted to solve these problems.

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

The institution has constructive relationships with other organizations and institutions of the locality. The blood donation camps are organized with the help of reputed hospitals. The NSS unit co-ordinates all its activities under the norms of the University. The unit organizes tree plantation, village cleanliness, and Awareness activities like, Environment Pollution etc.

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.

Date	Name of Award	Awarded by
26-10-2009	Best Donor Award for Blood Donation for Sankar Eye Hospital	Sankar Eye Hospital
7-12-2012	Best Donor Memento for Blood Donation for Red Cross Society	HDFC Bank
20-12-2013	Best Donor Award for Blood Donation for Rotary Club, NRT	Rotary Club, NRT

3.7 Collaboration

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

- The institute organizes various interactive programs with industry personal and R&D personal by: Deputing faculty members for exposure to industrial values and practices with internships and industrial visits for students
- Guest lectures by industry experts on sophisticated technologies.
- Faculty is sent to other reputed Universities and Institutes of higher learning for attending refresher courses.

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

The institute has signed MOU with external houses to conduct activities like training, placement, development of training facilities to the students with guest lectures, providing source to participate in technical events and advanced learning and student interaction that helps mutual growth.

List of MOU's

S. No	Company Name	Location	Department	Signed On
1	Co Cubes Technologies Pvt. Ltd	Gurgaon, Haryana	CSE	15-07-2013
2	Sankalpa Software Solutions	Hyderabad, Telangana	CSE	23-11-2015
3	Durga Soft	Hyderabad, Telangana	CSE	23-01-2015

4	COCUBES	Hyderabad	CSE	15-7-2015
5	Aspiring Minds	Gurguan	CSE	5-8-2015
6	KCP	Nakarikallu, Andhra Pradesh	EEE	19-01-2016
7	Vallabha Feeds	Narasaraopet, Andhra Pradesh	EEE	15-02-2016
8	ACE Instruments	Hyderabad, Telangana	ECE	09-12-2015
9	Texas Review	Guntur, Andhra pradesh	ECE	02-12-2015
10	Best flux	Guntur, Andhra Pradesh	ECE	05-01-2016
11	Singer India Pvt Ltd	Vijayawada, Andhra Pradesh	ECE	30-12-2015
12	Madhubabu Industries Pvt Ltd	Hyderabad, Telangana	MECH	8-12-2015
13	SVS Hydraulics Pvt Ltd	Hyderabad, Telangana	MECH	9-12-2015
14	Neodam Rubber Products	Hyderabad, Telangana	MECH	9-12-2015
15	VR heat Exchanges Industries	Hyderabad, Telangana	MECH	8-12-2015
16	ACE instruments	Hyderabad, Telangana	MECH	9-12-2015
17	Impact Engineers	Hyderabad, Telangana	MECH	9-12-2015
18	SVS composites Pvt Ltd	Hyderabad, Telangana	MECH	9-12-2015
19	NX CADD Pvt Ltd	Guntur, Andhra Pradesh	MECH	7-9-2015
20	NELCAST Ltd	Gudur, Andhra Pradesh	MECH	21-3-2015
21	TECH AERO	Kukatpally, Hyderabad	ECE	5-1-2016

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

Interaction with eminent personalities from various reputed universities and industries is very advantageous for the creation of establishing better academic facilities for staff and students. The college although does not enjoy many MoUs but still many reputed firms like Infosys, HCL, Wipro, etc. visit the institution for placement and other

technical events. The labs are being upgraded for the upkeep of latest electronic equipment, computers etc.

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

The details of eminent personalities who are involved in the various activities organized by the college and also visited the campus and contributed to the development of the institute is provided in 3.1.8

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

- a) Curriculum development/enrichment
- b) Internship/ On-the-job training
- c) Summer placement
- d) Faculty exchange and professional development
- e) Research
- f) Consultancy
- g) Extension
- h) Publication
- i) Student Placement
- j) Twinning programmes
- k) Introduction of new courses
- l) Student exchange
- m) Any other

a) Curriculum development/enrichment: The institute is an affiliated institution with no scope of change in curriculum. It is followed as prescribed by JNTU – Kakinada.

b) Internship/ On-the-job training: Collaboration with different industries has been providing an opportunity to the students for industrial exposure, acquainting skills for employment and getting projects from industries. Campus training Programs by Aspiring Minds gave our students hands on experience and also helped them to stand ahead of others in the market.

c) Summer placement: Students are encouraged summer placement at various organizations. Faculty development Programs are arranged for faculty for enhancement.

d) Faculty exchange and professional development: Institute also deputed faculty to exchange the research expertise with conferences, workshops and training programs arranged at other colleges/organizations.

e) Research: Workshops and conferences are regularly being organized

f) Consultancy: The College plans to enhance the consultancy activities by interaction with industry through MOUs.

g) Extension: The Institution works in active collaboration arrangement with Social Service Organization for performing extension activities

h) Publication: Tirumala Engineering College encourages publication for students and members of faculty. (Please refer to faculty publication section for details.)

i) Student Placement: Esteemed organizations regularly visit our campus for providing students placements regularly.

j) Twinning programmes: NIL

k) Introduction of new courses: The intake in UG courses of EEE, Mechanical and CSE were enhanced to 120 each based on the industry needs. ECE is enhanced to 180 in view of demand for such courses in the industry.

l) Student exchange:

➤ Experts from industry and research organizations are invited for interactive sessions with students for dissemination exchange of knowledge and practical skills making the students meet industry requirements.

➤ The disciplines organize state level and inter-collegiate festivals, seminars and technical paper contests and students from different institutions exchange their views and ideas in key focal areas of engineering and other fields.

➤ The institution arranges industrial tours to the students every year to expose them to the practical aspects of industry and to fill the gap between theory and practical applications which enhance the exposure to real working environment.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations. Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

Institution has established linkages/collaborations related to academic and research activities with various industries and research organizations to implement training programs for students and faculty members in various specializations.

➤ College has MOUs with various establishments mainly to establish the linkages / collaborations related to academic and research activities.

➤ Invited experts from various divisions from other industries for delivering Guest Lectures, key note address in conferences, invited speaker in workshops and symposiums.

➤ Conducting joint technical programs and events with other organizations.

➤ Invited experts from various divisions from other industries for delivering Guest Lectures, key note address in conferences, invited speaker in workshops and symposiums.

➤ Conducting joint technical programs and events with other organizations.

CRITERION IV INFRASTRUCTURE AND LEARNING RESOURCES

4.1 PHYSICAL FACILITIES

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

The management is committed and sincere in imparting quality technical education by establishing state of the art infrastructural facilities for the benefit of the students in accordance with the AICTE norms. The facilities are being regularly upgraded as per the requirements of the departments. An ambience that is most conducive for good academic activities and effective teaching –learning processes has been created.

The infrastructure facilities are created with a motto of developing an institution unique in its nature and standing along with the prestigious institutions in the state of AP for effective teaching and learning processes.

The objectives are:

- Providing sufficient, well-ventilated, well-furnished class rooms and laboratories.
- Providing conference halls and libraries in each department as supporting facilities.
- Using ICT(?) for academic processes.
- Providing access to internet for students and faculty members to keep abreast with technology.
- Developing central library as a knowledge hub.
- Staff rooms with good ambience.
- Developing labs as per curriculum requirement and also beyond the curriculum.
- Promoting learning through materials like charts, write ups and multimedia models.
- Providing amenities like canteen, transport, playgrounds, girls and boys lounges etc.

For the development of facilities the college follows a policy

- Need analysis is made centrally and also by each department every year on the requirement for the next academic year.
- The respective departments will prepare budget proposals under different heads such as capital budget, developmental budget and maintenance budget.
- In the governing body meeting of the college, budget will be sanctioned for each department based on the merit of each proposal.
- Any purchases for development activities are carried out in systematic manner by calling for quotations, purchase committee meetings for technical and commercial negotiations and ensuring good quality facilities are created.

4.1.2 Details of the facilities available in the college:

A. Facilities in the streams of curricular and co-curricular activities: classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical

garden, animal house, specialized facilities and equipment for teaching, learning, research etc.

The college is located in a serene atmosphere in Jonnalagadda village, Narasaraopet Mandal, Guntur district. The total extent of land available to the college is 15.3 Acres.

Infrastructure facilities for curricular and co-curricular activities:

S no	Name of the facility	Number of rooms	Area in Sq. meter
1	Class rooms	40	3758
2	Tutorial rooms	10	418.2
3	Drawing halls	2	385
4	All laboratories	21	4941.33
5	Seminar halls	3	839.14
6	Conference rooms	1	50
7	Computer Centre	8	1582.06
8	Central Library	1	685.69
9	Digital Library	1	101.17
10	Work shop	1	304.47
TOTAL			13065

Classrooms:

- The institution has sufficient number of well-furnished, well-ventilated, spacious classrooms for conducting theory classes.
- Class room are spacious and ergonomically designed so that proper ventilation and lighting is provided with good acoustics.
- Better aspect ratio is maintained for proper visibility of black board and audibility.
- All class rooms of individual departments are at close proximity in order to have better access for the students.
- Each department is also provided with tutorial classrooms.

Technology enabled learning rooms:

- Each room has seating capacity of 75 and all departments are provided with sufficient number of LCD projectors, Wi-Fi and LAN enabled internet connectivity, public addressing system etc.

Seminar halls:

- Each department in the college has exclusive seminar hall to conduct conferences, workshops and symposia for students and faculty.

- Each seminar hall has a seating capacity of 350 and is air conditioned. It is equipped with LCD projector, white board and public addressing system.
- The college has a central auditorium with a seating capacity of 500.

Laboratories:

- All laboratories are well equipped, and well maintained not only for carrying out curriculum-oriented- practicals but also to carry out experiments beyond curriculum.

Specialized facilities and equipment for teaching, learning and research:

- The college has exclusive English communication skills lab.
- Apart from the central library, each department maintains separate department library with good collection.
- The college has provided web-based materials, NPTEL video lectures, subscribed to INDEST-AICTE consortium in the library for the use of both students and faculty.
- For self learning, reference books for all the subjects are available in the central library.

B. Facilities available in the stream of Extra-curricular activities: sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, public speaking, communication skills development, yoga, health and hygiene etc.

Sports:

The college encourages and provides facilities for students to participate in both outdoor and indoor games. The college always provides a niche for itself in the field of sports with our students participating in various inter-university level tournaments. A full time physical director one for boys and one for girls trains the student to achieve good results in their fields of interest.

Outdoor games:

A play ground is available for outdoor games like Cricket, Volleyball, Basketball, Kho-kho, Kabaddi and Badminton court, all in good condition.

Indoor games:

Facilities for the indoor games like Table tennis, Chess, Caroms etc. are provided to students in the college campus.

NSS:

The college has a well designed NSS unit. In order to implement its activities in effective manner, the college adopted three villages, Jonnalagadda, sathuluru and Ponugpadu which is approximately one kilometer distance from the college. The college NSS unit makes frequent visits to Jonnalagadda village to conduct various activities like clean & green programme, planting, health camp, providing computer training for students and motivational speeches on not to addict to alcohol, etc.

Cultural activities:

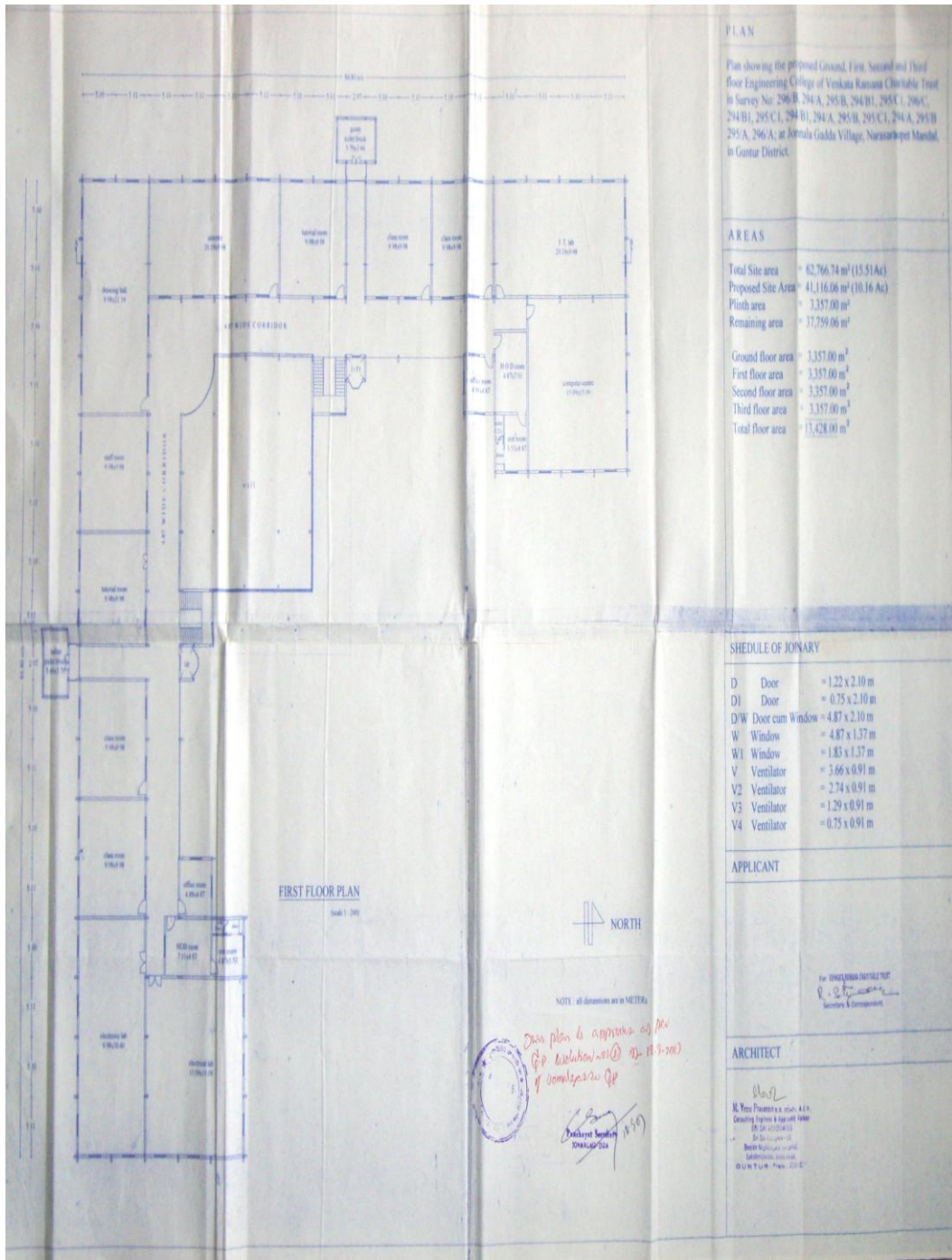
The college also encourages the students to participate in various cultural and literary activities and make the students excel in their fields of interest.

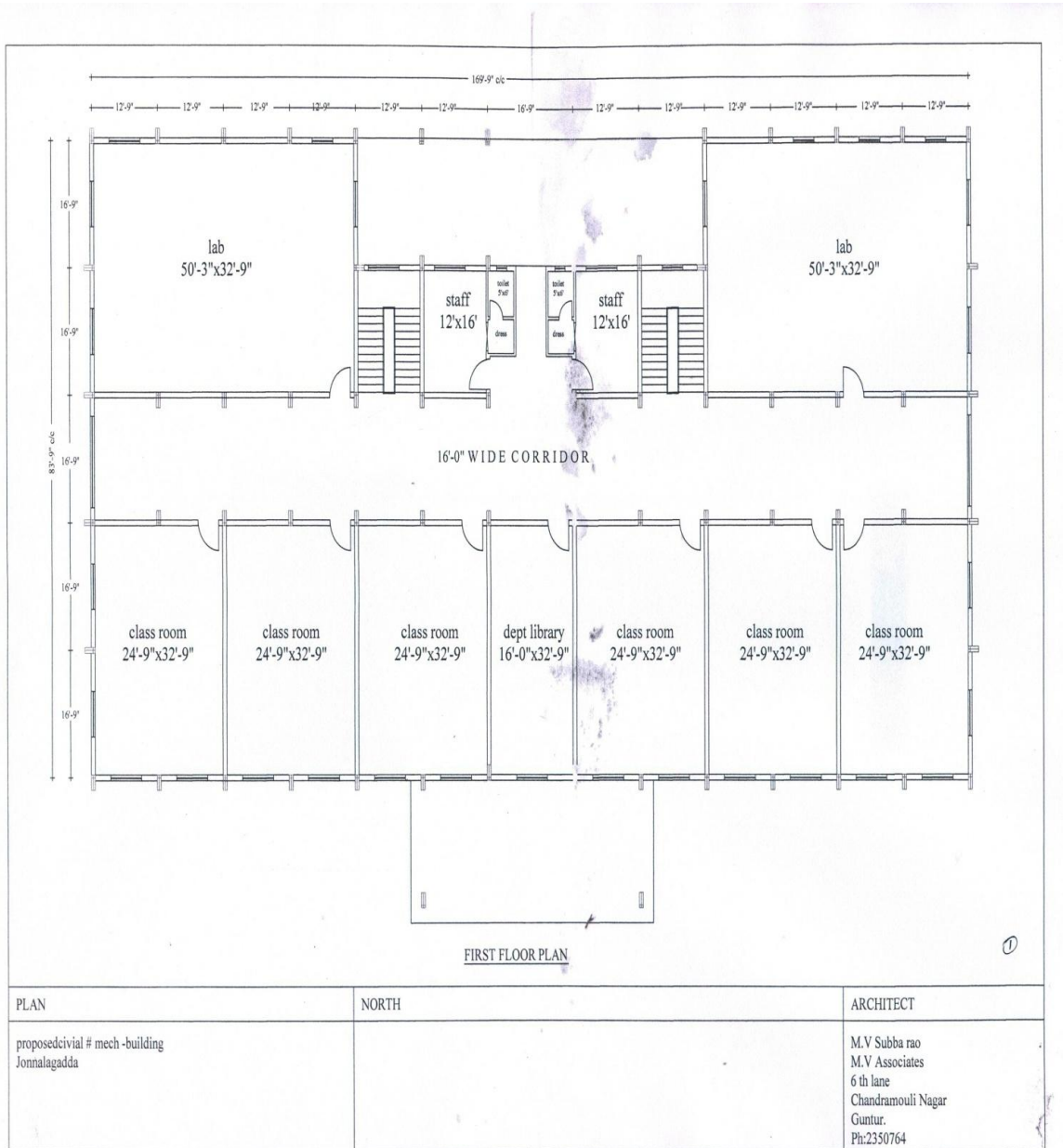
Public speaking communication skills development:

The communication skills lab trains the students in enhancing their skills

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

The institute, since its inception, has developed the infrastructure and facilities as per the AICTE norms and beyond the norms as well to ensure all the academic requirements are met with.





The institution concentrates in developing the infrastructure for the academic requirements which benefits the prime stake holder, the student.

To meet such needs and requirements, additional infrastructure facilities are being created from time to time and developmental budget is allocated keeping in view such requirements.

Amount incurred for various facilities developed for the last 4 years (in rupees)

S.no	Description	2011-12 (Rs)	2012-13 (Rs)	2013-14 (Rs)	2014-15 (Rs)	2015-16 (Rs)
1	Buildings	2,82,51,905	10,30,778	11,06,63,374	3,27,100	-
2	Laboratory Equipment	5,85,197	5,38,096	6,87,575	6,12,444	-
3	Library books & Journals	5,40,768	13,17,402	7,82,556	2,46,432	-
4	Furniture	18,73,412	7,56,511	11,89,662	8,61,763	-
5	Vehicles	41,68,150	61,19,340	43,78,081	26,16,000	-
6	Sports utilities	85,887	-	-	-	-
7	Utilities like Generator, water plant, water coolers etc.	7,00,000	42,464	20,000	-	-
8	Computers	28,76,393	43,41,950	-	1,01,375	-
9	Others if any 1. Office equipment	1,04,150	4,24,241	96,140	2,15,067	-
	2. Electrical installations, Motors and Pump sets	15,60,051	6,83,353	5,63,571	15,90,471	-
10	TOTAL	4,07,45,913	1,52,54,135	11,83,80,959	65,70,652	

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

In the college premises a ramp, wheel chairs are available and lift provision is created and lift will be installed in due course of time for physically disabled students.

4.1.5: Give details on the residential facility and various provisions available in the college:

The college provides two hostels, one for boys and the other for girls with facilities such as common room facility with TV and magazines, sports and games facility, internet and Wi-Fi facility etc. The details of the hostel are given below.

S no	Description	Boys	Girls
1	Location	In town	College premises
2	Area in sq m	2200 m ²	2629 m ²
3	Internet/Wi-Fi facility	No	No
4	Capacity for accommodation	100	200

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

Sai Tirumala Multi Specialty Hospital is located near the college campus and it is equipped with 200 beds. Hence 24x7 health care is ensured for the student and staff.

4.1.7: Give details of the common facilities available in the campus-special units like IQAC, grievance redressal unit, women's cell counseling and career guidance, placement unit, health centre, canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Counseling and career guidance:

Training and Placement cells are headed by Mrs. A. Savitri and Mr. Prathap respectively. It is located in the main block. The infrastructure facility of Training and Placement cells consists of HOD chambers, room for Aptitude Trainer, Staff room for Communication Skills trainers, dining facility etc. The college provides five cubicles and Group Discussion rooms for the purpose of interviews conduction during campus recruitment sessions. The Training programme is carried out in a systematic manner with a well prepared syllabus since the inception of the college.

Canteen:

The college provides a centralized spacious canteen to cater the needs of staff and students in which quality, health & hygiene are given major priority for both cooking and serving.

Drinking Water:

Continuous water supply is ensured in the college through five bore wells and for drinking water, RO plant is available with a capacity of 1000 liters per hour.

Communication:

At present the college has 4 external telephone lines, and an expandable EPABX which interconnects all the departments.

Transport:

The college provides buses for both staff and students to various routes from the college. There are 30 buses available from the college to various routes.

4.2 Library as a Learning Resource Center**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 as a student/user friendly?**

The library has an advisory committee which advises for the improvement of the students library books purchase /Issue services.

Name of the Faculty	Designation	
Dr. Y. V. Narayana	Principal	Chairman
Dr.N.Venkatarao	Librarian	Convenor
Mrs. B. Suneetha	Asst.Librarian	Co-ordinator
Mrs.T.Bhagya lakshmi	Asst.Librarian	Co-ordinator
Dr. B. Bhanu Prakash	HOD/CSE	Member
Dr. Mahesh	HOD/ECE	Member
Mr.G.V.P.Anjaneyulu	HOD/EEE	Member
Dr. K. R. R. Mohan Reddy	HOD/ME	Member
Dr.T.Kiran kumar	HOD/ASH	Member
Dr.N.Srinivasa Rao	Prof/ASH	Member
Mr.N.Madhu	HOD/CE	Member

4.2.2 Provide of the following (?)

Total area of the library : 786.86 m²

Total seating capacity : 180

Working hours (on working days, on holidays, before examination days, during examination days, during vacation) : 08:00AM to 08:00PM

Holidays : CLOSED

Before examination day : 08:00AM to 08:00PM

During vacation : 08:00AM to 06:00PM

During Examination days : 08:00AM to 08:00PM

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

Reading space : 225.75m²

IT zone (Digital Library) : 101.17 m²

Reference section	: 242.59 m ² (G+ I)
Area covered under book racks	: 132.01 m ²
Library Computer Centre	: 33.26 m ²
Reception and book issuing counter	: 52.02 m ²

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

Individual departments recommend text books, reference books and journals to the library based on the curriculum changes and with the knowledge of new arrivals. The library budget is allocated accordingly. During the library committee meetings developments and modifications that are required to improve the library are discussed.

YEAR	BOOKS COST(Rs)	Print & Online Journals in Rs.	E- Resources
2011-2012	5,92,396	57,858	16500
2012-2013	7,93,253	60,748	5,38,382
2013-2014	7,96,932	81,547.7	-
2014-2015	2,50,307	1,18,433	-
2015-2016	3,25,789	-	16,500
TOTAL	27,58,677	3,18,586	5,71,382

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

OPAC	: YES
Electronic Resource Management package for e-journals	: YES
Federated searching tools to search articles in multiple databases	: NO
Library Website	: www.tmecnrt.org
In-house/remote access to e-publications	: YES
Library Automation	: YES
Total number of computers for student access	: 28
Total number of printers for student access	: 1
Internet band width/speed	: 40 Mbps
Institutional Repository	: YES
Content management system for e-learning	: NO
Resource sharing networks/consortia (like Inflibnet)	: NO

4.2.5 Provide details on the following items:

Average number of walk-ins	: 300 per day
Average number of books issued/returned	: 400 per day

Ratio of library books to students enrolled	: 11:1
Average number of books added during last three years	: 4088
Average number of login to OPAC	: 50
Average number of login to e-resources	: 90
Average number of e-resources downloaded/printed	: 50
Number of information literacy trainings organized	:12

4.2.6 Give details of the specialized services provided by the library

Manuscripts :	NO
Reference :	YES
Reprography :	YES
ILL (Inter Library Loan Service):	NO
Information deployment and notification (Information Deployment and Notification) :	YES
Download :	YES
Printing :	YES
Reading list/ Bibliography compilation :	YES
In-house/remote access to e-resources :	YES
User Orientation and awareness :	YES
Assistance in searching Databases :	YES
	YES

INFLIBNET/IUC facilities:

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

- Individual User orientation
- Educate as to how to use E-Journals
- Providing hands-on experience to access e-resources
- Information alert services on New arrivals
- Providing assistance to search reserved books on stacks.
- SMS services for overdue books
- Overnight issues of reference materials

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

The library staff helps in issuing books/other materials within the campus providing on line(?) information on the availability of resources.

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

The feedback and suggestions from various departments are discussed during the Library committee meeting and necessary steps are taken for the improvement of the service as per the suggestions.

A suggestion/compliant box at central library entrance is provided so that the users can utilize this facility.

4.3 IT INFRASTRUCTURE

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

The institute provides all the IT infrastructure facilities to meet all the demands of teaching – learning processes. The computing facility available on the college is as given below.

The complete details of the 550 systems available in the college with configuration

SL.NO.	DESCRIPTION	TOTAL
1.	<u>HP Pro 3090 Commercial Desktops:</u> Intel Dual Core E5800 (3.2Ghz,2MB L2 Cache) 2GB DDR3 RAM, 320GB SATA Hard disk 1RJ45 and 6 USB ports, CD-ROM / HP Key board / Optical two bottom scroll Mouse, 18.5” HP TFT Monitor,	100
2.	<u>HP Pro 3090 Commercial Desktops:</u> Intel Dual Core E5800 (3.2Ghz,2MB L2 Cache) 2GB DDR3 RAM, 320GB SATA Hard disk 1RJ45 and 6 USB ports, CD-ROM / HP Key board / Optical two bottom scroll Mouse, 18.5” HP TFT Monitor,	150
3.	<u>HP Pro 2080 Commercial Desktops:</u> Intel Dual Core E4500 (800Mhz,2MB L2 Cache) 2GB DDR2 RAM, 160GB SATA Hard disk, 1RJ45 and 6 USB ports, CD-ROM / HP Key board / Optical two bottom scroll Mouse, 15” HP TFT Monitor,	150
4	<u>HP Pro 3090 Commercial Desktops:</u> Intel Dual Core E5800 (3.2Ghz,2MB L2 Cache) 2GB DDR3 RAM, 320GB SATA Hard disk 1RJ45 and 6 USB ports, CD-ROM / HP Key board / Optical two bottom scroll Mouse, 18.5” HP TFT Monitor,	100
5	<u>HP Pro 3090 Commercial Desktops:</u> Intel Dual Core E5800 (3.2Ghz,2MB L2 Cache) 2GB DDR3 RAM, 320GB SATA Hard disk 1RJ45 and 6 USB ports, CD-ROM / HP Key board / Optical two bottom scroll Mouse, 18.5” HP TFT Monitor,	50

1. Computer Student Ratio:
 - UG (1:4)
2. Stand-alone facility:
 - NIL
3. LAN Details:
 - All the computers in the Campus are networked using CAT-5 Cable
4. Wi-Fi Facility with details: 10Mbps
5. Internet Service Provider with bandwidth details:
Service Provider Name: BSNL
No. of Connections: 2
 - (a) 40 Mbps (1:1)
 - (b) 2Mbps (Broadband)
6. Licensed Software available in different departments:

SL.NO.	Department	Details of software
(1)	CSE&IT	C, C++, UML (Rational rose), MS-Office
(2)	ECE	MAT Lab, XLINKS Software
(3)	EEE	MAT Lab 8.2 PCL trainer DELTA MAKE
(4)	MECH	Ansys Auto Cad CATIA CNC-MIL
(5)	CIVIL	Auto CAD, STAAD Pro, Arc GIS
(6)	CHEMICAL	CLC-BIO
(7)	Central Library	LibSys
(8)	Humanities & Sciences	NIL
(9)	General-purpose	NIL

7. No. of systems in Central Computing facility:
 - 150 Computers
8. No. of Nodes / Computers with internet facility:
 - 550 Nos.

4.3.2 Give the details of the computer and internet facility available to the faculty and students on the campus and off the campus.

Internet service is available for both faculty and students in the campus.

- 150 systems are provided with internet facility in the central computing centre.
- All the departmental computing centers are provided with internet facility.
- 36 systems are provided with internet facility in the central library.
- Internet service is provided to both girls and boys hostels.
- The College provides internet facility to staff members at the respective departments so that they can update their knowledge with latest developments and also avail e-resources which will help them in improvising teaching – learning process.
- The principal’s Office, Administrative Office , Examination Section, Training and Placement cell and Senior Faculty member cabins are provided with internet facility.
- Wi-Fi connectivity is available in and around the campus.

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

Keeping in mind the importance of technological changes and the role of ICT in the transfer of such knowledge to the student community, the institute plans to develop the IT infrastructure in many ways such as:

- To provide computer facility to every faculty member.
- To increase the bandwidth of internet facility.
- To deploy e-governance throughout the institution through expansion of Information Management System.
- All class rooms to be made state-of-the-art smart and hi-tech class rooms.
- To develop e-learning facilities utilizing the resources of the faculty.
- To develop multimedia based educational modules for various courses.
- To procure and install industry specific software and to train students on these platforms to enable them to become industry ready products.

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

Annual budget for procurement, up gradation, development and maintenance of the computers and their accessories

SNO	Description	2012-2013	2011-2012	2010-11	2009-2010
1	Amount Spent	32,62,500	20,80,000	-	-

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

- The institution has adequate computer facility for its faculty. Faculty members are provided with computers and internet facility for the preparation of teaching and learning materials in their respective departments.
- The faculty is encouraged to use power point presentation to deliver lectures and teaching skills.
- Lesson plans are prepared in the standard format in the computer.
- Attendance, Internal assessment and University marks are software based.
- Student's feedback is taken in online and analysis of feedback is generated by using software concerned.
- Centralized database system is available both for staff and students.
- Every department has 3 LCD projectors.
- Internal accessibility to all the faculty and students help them to access journal, e-learning material available in other universities and make use of the same for knowledge enhancement.
- In the department seminars organized by students, they are encouraged to use latest methodologies for their presentations.
- Using NPTEL, MIT and other e-learning resources for self-paced learning that supplements regular lectures.

INTERNET FACILITIES:

- Fiber optic and wireless link
- Internet and intranet facility for all departments.
- 24 x 7 internet facility
- Internet through BSNL – 40 Mbps
- Exclusive email facility - <user id>@tecnrt@gmail.com
- The website is <http://www.tecnrt.org> which is updated regularly for college related information.

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

- To make the student attentive and engaged throughout the class is a challenge to every teacher. This is possible through effective and interactive teaching.
- Apart from teaching skills and the knowledge of the faculty, PPTs and relevant videos help the student to easily grasp the concepts and gain complete information about the subject concerned in the class room. Hence the entire faculty in the college is encouraged to use to use such modern methodologies.
- To effectively utilize the highly accessible internet and intranet facility, ICT enabled classrooms and e-learning material made available to the faculty and students.

➤ In the library, e-learning material (NPTEL video lectures) and the accession of online lectures of various experts from IITs, NITs and reputed institutions and online journals are made available.

All the make the teaching-learning process student centric and make the teacher take on role of a facilitator.

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

➤ No

4.4. Maintenance of campus facilities

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

This institute plans and executes the allocation and utilization of funds in a systematic way. The requirement of each department is ascertained and consolidated and based on this estimate after thorough analysis budget is allocated for various purposes.

The budget allocated and the funds utilized under all heads put together in the last four years are as given below.

Amount incurred for maintenance of various facilities developed for the last 4 years

S.NO	Description	2015-16	2014-15	2013-14	2012-13	2011-12
1	Buildings		3,27,100	1,06,63,374	10,30,778	2,82,51,905
2	Laboratory equipment including computers		4,78,875	24,80,531	82,43,618	55,75,054
3	Vehicles		26,16,000	43,78,081	61,19,340	41,68,150
4	Administrative and others		1,13,15,689	1,29,60,952	30,90,794	1,02,76,443
5	Other if any					
6	Au & other fees	4,11,000	4,73,500	4,31,275	3,75,525	2,42,200
7	Internet charges		75,259	84,000	1,52,641	-
8	Depreciation		1,20,38,716	1,26,40,618	1,36,26,872	1,18,63,558
9	Journal & subscription		99,438	1,13,863	14,02,677	6,09,265
10	Lab maintenance		2,03,589	1,90,330	3,85,750	2,05,497
11	Scholarship & Awards		-	-	25,00,000	29,04,000

12	Provident Fund		13,32,296	9,24,860	6,08,275	5,19,229
13	Salaries & Wages		5,14,56,246	3,26,52,297	2,60,71,946	1,79,45,522
14	Training & placement Cell Expenses		29,50,037	1,62,707	21,35,983	13,02,820
15	College day Expenses		15,23,128	16,87,664	6,86,740	5,38,553
16	Workshop, seminar & conference Exp.		13,43,390	10,25,400	4,50,005	7,20,480
17	Experts sitting fees		65,756	29,000	1,35,000	1,24,530
18	Faculty Development Programme		5,95,175	4,75,250	3,00,500	-
19	Industrial Tour & Training Expenses		6,39,930	5,01,500	1,60,000	-
20	Solar lighting	4,30,000				
	Total		8,75,34,124	8,14,01,702	6,74,76,444	8,52,47,206

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

- The annual maintenance of the equipment in all the labs will be done during the summer vacation every year. The technical and non-teaching staff will be engaged in this activity and they ensure that all equipment is functioning well and also seek external expertise if needed during the period. This ensures that teaching-learning process runs smoothly in all aspects throughout the year.
- The stock verification will be done during the same period to help in identifying the non-working equipment and suggestions will be made for necessary replacements.
- Regular cleaning and upkeep of the equipment is overseen by the faculty members who are the in-charges of the laboratories.
- The annual budget and allocation of funds and regular monitoring of utilization of funds for maintenance ensure upkeep of the infrastructure in the institute.
- Annual maintenance contract (AMC) is given for critical and sophisticated equipment.

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

- The calibration process will be taken up by each department for various equipment as per the time frequency suggested by the supplier.
- Historical data of each equipment is maintained in the labs wherein the measured values are compared with earlier measured data and also with the standard values. Any deviation in this regard will be noted and necessary steps will be initiated by calling for the technicians from the supplier.

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

- The generators of models kirlosker (capacity: 62.5 KVA) and Cummins (capacity: 125KVA) available in the institute help in continuous power supply without any hindrance.
- The computer systems and other sensitive equipment are provided with UPS systems so that power failure will not cause any damage.
- All precautions are taken to protect the precision equipment by providing voltage stabilizers and individual MCB's. Covers are provided wherever needed to keep the sensitive equipment as dust free equipment.
- Continuous water supply is ensured through 3 bore-wells available in the college

CRITERION V
STUDENT SUPPORT AND PROGRESSSION

5.1 Student Monitoring and Support

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

YES.

- Hand book includes vision, mission, program instructive goals and project results of every office, telephone numbers and email ids of HODs, senior staff, hostile to ragging board of trustees, grievance cell and other higher authorities.
- It likewise comprises different projects offered, discipline, clothing regulation and general data about confirmation process.
- Contains framework and different offices accessible, in the institution.
- The outline envelops the insights about the occasions that are directed for improving the student’s additional curricular exercises and co-curricular exercises. The plan demonstrates the situation scouts of the institution.

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

The administration of the establishment is extremely sufficiently liberal to give grants/free ships to the legitimacy and poor students who are monetarily in reverse and needing money related help furthermore to the scholastic toppers. These grants are given each year and are circulated on time. In view of the monetary state of the students, educational cost charge waiver or decrease and waiver of transportation/sustenance and other expense are given to qualified students.

Number of Institutional Scholarships

Year	Number	Amount
2015-16	40	1,00,000
2014-15	50	1,20,000
2013-14	100	2,00,000
2012-13	100	2,50,000
2011-12	71	29,27,500

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

College has arranged a number of scholarships for the benefit of students namely:

National merit scholarship

I.Backward classes scholarship

II.Scholarship from caste based welfare associations

The government of AP provides fee reimbursement to students for economically backward students and scholarships to SC, ST candidates. The details of fees reimbursement received by students of different categories are indicated below.

Category	2012-2013	2013-2014	2014-2015	2015-2016
SC	73.15	77.39	76.10	80
ST	65	52.94	38.46	20
BC	71.71	71.95	70.5	70.35
EBC	85.33	97.82	88.07	94.48
MC	54.48	59.03	62.74	66.07
PHC	0	0	0	0

Academic Year	No of Students	No of Beneficiaries	% of Beneficiaries	Total Amount
2015-16	1915	1360	71.01	4,76,00,000
2014-15	1877	1319	70.27	4,61,65,000
2013-14	1853	1290	69.61	4,51,50,000
2012-13	1655	1121	67.73	3,92,35,000
2011-12	1420	943	66.40	3,30,05,000

Particulars of financial Support given to the students by government through the college

Academic Year	No of Students received Scholarships	Amount in Rupees
2015-16	1915	4,76,00,000
2014-15	1877	4,61,65,000
2013-14	1853	4,51,50,000
2012-13	1655	3,92,35,000
2011-12	1420	3,30,05,000

5.1.4 What are the specific support services/facilities available for Students from SC/ST, OBC and economically weaker sections?

- Students to partake in different rivalries/National and
- Sponsored financially to participate in national and international workshops and symposiums

- Medical help to students: wellbeing focus, health care coverage and so forth.
- Organizing training classes for focused exams
- Skill improvement (communication in English, PC proficiency) and so forth.,
- Support for —slow learner
- Exposures of students to other establishment of higher
- learning/corporate/business

SC/ST/OBC Students/Children of Farmers or Economically weaker areas get monetary help from Government as far as educational cost expense and support charges and the establishment encourages the same.

Abroad students: There are no abroad students in our college.

Students to take an interest in different rivalries/National and International:

Internet office is accessible to empower the students to get ready specialized papers under personnel direction and inspiration. Great number of students won prizes in Inter University and Inter Collegiate occasions. Foundation gives enlistment charge and TA to going to meetings and rivalries.

Medicinal help to students: wellbeing focus, health care coverage and so on.

- Emergency treatment offices and doctor are accessible inside of the grounds.
- Crisis medicinal administration transportation is accessible 24 hours a day.
- Medicinal camps are sorted out on consistent premise.
- Under NSS, eye check up and advancing blood gifts are finished.

Organizing coaching classes for competitive exams:

- Sorting out drilling classes for focused exams Departments give direction to their students get ready for aggressive examinations such as
- GATE/CAT/GRE/TOEFL/GMAT.
- The institution has adequately all around loaded library books for the planning of different aggressive exams to be specific GATE/CAT/GRE/TOFEL/GMAT.
- English dialect classes are directed to enhance the vocabulary of the students.

Aptitude advancement (communicated in English, PC education, etc.):

- All students are screened for their dialect capability and other delicate abilities. The Professional Experts from different fields are welcome to communicate with the students. The preparation and position cell interfaces to find out their necessities and desires.
- There is a dialect lab outfitted with the Globarena Software for enhancing the student's relational abilities, composing aptitudes, communicated in English, PC proficiency, and so forth.
- Students are prepared in interpersonal abilities to enhance the level of certainty of the students to confront the situation interviews.
- College sorts out delicate expertise preparing program for personnel aptitudes and soft skill development to the students.

- Focal PC lab office with more than 200 PCs with fast web association accessible past the working hours for improving PC proficiency among the students.
- Intermittent expertise advancement workshops are led to improve their abilities

Support for —slow learners:

- Slow learners are distinguished after the principal midterm examinations and they are situated in front columns to give better care in classrooms.
- Class guides take unique consideration of moderate learners. Instructional exercise classes are directed for explanatory subjects.
- Day by day slip tests for enhancing the execution of students.
- Elaborate inquiry manages an account with arrangements are given to the students.
- Additional classes are led for the moderate learners after the customary college hours.
- The class instructors and guides interface with the folks about the advancement of the students.

Exposures of students to other foundation of higher learning/corporate/business house and so forth:

- Students are urged and guided to take part in occasions composed by different foundations.
- Modern visits and fields treks are organized the students for handy presentation.
- Workshops on enterprise advancement are sorted out to improve the hobbies of students to begin their own business/industry.
- MOU is marked with Infosys to direct grounds interface program.
- Institute composes visitor addresses by welcoming famous persons from corporate, businesses and head research foundations and Universities to enhance the information of students on late advances.

Students are urged to distribute their articles in department News Letters.

Department Newsletters every office distributes a pamphlet in which students contribute their articles.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts. College has an Entrepreneurship Development Cell constituted with the following members.

The institution has an Entrepreneurship Development Cell constituted with the accompanying individuals.

S.No	Name	Department	Designation
1	Dr. Y. V. Narayana	ECE	CONVENOR
2	Mrs. V. Ratna Mala	AS&H	CO- CONVENOR

3	Dr.M. Mahesh	ECE,HOD	MEMBER
4	Dr.T.Kiran Kumar	AS&H,HOD	MEMBER
5	Dr. K.Raghu Ram Mohan Reddy	MECH,HOD	MEMBER
6	Mr.G.V.P.Anjaneyulu	EEE,HOD	MEMBER
7	Dr. B. Bhanu Prakash	CSE,HOD	MEMBER
8	Mr.N.Madhu	CIVIL, HOD	MEMBER

Activities organized by Entrepreneurship Cell: The following activities are organized by the Entrepreneurship Development Cell (EDC):

S.No	Name of the Program	Date	Resource Person
1	Web Entrepreneurship2016	26&27-FEB-2016	Mr.M.R.K.MURTHY And Mr.JANARDHAN RAJU
2	Entrepreneurship Awareness Camp	29 & 30 MARCH-2013	Mr.M.CHANDRASEKHAR RAO , Ms.N.RADHA & Ms.ANURADHA
3	Emerging Trends In Industrial Policies & Promotion	27&28 NOV 2015	Ms.RAMADEVI & Dr.HARIBABU
4	Image Management For Great Success Carrier Opportunities In Image Consulting & Soft Skills Training	29&30 AUGUST 2014	Dr.M.S.NARAYANA&Dr.K.LALITHA
5	Intensive Workshop On Growth Through Quality Management	24& 25 OCT 2014	Dr.CHANDRA MOULI Dr.CHAND BASHA
6	A One Day Workshop On Sales & Marketing For Entrepreneurs	27& 28 FEB-2015	Mr.VIKRAMAN VENU&Ms.SARANYA

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co- curricular activities.

➤ Students are sent to different colleges to partake in games, diversions, test rivalries, level headed discussion and examinations, social exercises and so on.

- The establishment supports cooperation in bury university competitions led in Cricket, Volleyball, Basketball, Tennis, Table-Tennis, Football, Athletics and so on.,
- The merit declarations and prizes are honoured to the champs and runners in intramural rivalries for young men and young ladies at College Annual and Sports Day festivities.
- The organization energizes the student's interest in co-curricular exercises.
- Best active sportsman and sportswoman are respected with extraordinary honours. Scholastic backing is accommodated every one of those students taking an interest in extracurricular exercises (sports/NCC/NSS/Cultural exercises) through organizing pay classes.
- College likewise arranges camps frequently to nurture mindfulness with respect to cleanliness, handiworks, PC education and so on in towns around the institution.

Sports and Games Committee

S.No	Name	Designation	Department	Status
1.	Dr. Y.V.Narayana	PRINCIPAL	ECE	CONVENOR
2.	Dr.N.Srinivasarao	PROFESSOR	AS&H	CO-CONVENOR
3.	Mr. V.Hanumantha Rao	ASSIST. PROF	AS&H	CO-ORDINATOR
4.	Mr.T.Ankama Rao	ASSIST. PROF	CIVIL	MEMBER
5.	Mr.D.Hanumathurao Naik	ASSIST. PROF	CIVIL	MEMBER
6.	Mr.Sk.Abdul Kalam	ASSOC.PROF	EEE	MEMBER
7.	Mr.G.Jayaraju	ASSOC.PROF	EEE	MEMBER
8.	Mrs.Ch.V.L.Padamavathi	ASSIST. PROF	AS&H	MEMBER
9.	Ms.M.Swathi	ASSIST. PROF	AS&H	MEMBER
10.	Mrs.K.Gayatri	ASSIST. PROF	CSE	MEMBER
11.	Mr.T.Jagadeesh	ASSIST. PROF	ECE	MEMBER

Health Club

S.No	Name	Designation	Department	Status
1	Sri.Suresh	Trainer		Member
2	Sri.kannan	Trainer		Member
3	Dr. Y.V. Narayana	Principal	ECE	Member
4	Members from all departments			

Cultural club:

S.No	Name	Designation	Department	Status
1	Ch.V.L. Padmavathi	Assistant professor	A&SH	CONVENER
2	K.Lakshmi	Assistant professor	A&SH	MEMBER
3	Sk.Gousia	Assistant professor	A&SH	MEMBER
4	Sk.Nasreen	Assistant professor	ECE	MEMBER
5	B.Narayana	Assistant professor	A&SH	MEMBER
6	P.Varalakshmi	Assistant professor	CSE	MEMBER
7	Sk.Abdul Kalam	Associate professor	EEE	MEMBER
8	A.Savtri	Assistant professor	A&SH	MEMBER
9	P.Thomasaiyah	Assistant professor	A&SH	MEMBER
10	N. Venkateswarulu	Assistant professor	ECE	MEMBER
11	G.Gopi Raju	Assistant professor	CIVIL	MEMBER
12	D. Hanumantharao Naik	Assistant professor	CIVIL	MEMBER
13	Mr. M. Chennakesava Rao	Assistant professor	CSE	MEMBER

Language club

S.No	Name	Designation	Department	Status
1.	Dr.Y.V.Narayana	PRINCIPAL	ECE	CONVENOR
2.	Mr.V.Hanumantha Rao	ASSIST. PROF	AS&H	CO- ORDINATOR
3.	Mr.T.Ankama Rao	ASSIST. PROF	CIVIL	MEMBER
4.	Mr.D.Hanumathurao Naik	ASSIST. PROF	CIVIL	MEMBER
5.	Mr.Sk.Abdul Kalam	ASSOC.PR OF	EEE	MEMBER
6.	Mr.G.Jayaraju	ASSOC.PR OF	EEE	MEMBER
7.	Mrs.Ch.V.L.Padamavathi	ASSIST. PROF	AS&H	MEMBER
8.	Ms.M.Swathi	ASSIST. PROF	AS&H	MEMBER
9.	Mrs.K.Gayatri	ASSIST. PROF	CSE	MEMBER
10.	Mr.T.Jagadeesh	ASSIST. PROF	ECE	MEMBER

Social Awareness club:

S.No	Name	Designation	Department	Status
1	Dr.Y.V.Narayana	PRINCIPAL	ECE	CONVENER
2	Dr.N.Srinivasarao	PROFESSOR	A&SH	CO- ORDINATOR
3	Dr.T.Kiran Kumar	HOD	A&SH	MEMBER
4	Dr. K.Raghu Ram Mohan Reddy	HOD	MECH	MEMBER
5	Dr.M. Mahesh	HOD	ECE	MEMBER
6	Dr. B. Bhanu Prakash	HOD	CSE	MEMBER
7	G.V.P.Anjaneyulu	HOD	EEE	MEMBER
8	B. Praveen Kumar	ASSISTANT PROFESSOR	CIVIL	MEMBER
9	A.Savitri	ASSISTANT PROFESSOR	A&SH	CONVENER

10	N.Pavani	ASSISTANT PROFESSOR	CIVIL	MEMBER
11	Sk.Nasreen	ASSISTANT PROFESSOR	ECE	MEMBER
13	R.Hothri	ASSISTANT PROFESSOR	EEE	MEMBER
14	P. Varalakshmi	ASSISTANT PROFESSOR	CSE	MEMBER

Technical club

S.No	Name	Designation	Department	Status
1	Dr. Y. V. Narayana	PROFESSOR	ECE	CONVENOR
2	Dr. Raghuram Mohan Reddy	PROFESSOR	MECH, HOD	CO-CONVENOR
3	Dr. M. Mahesh	PROFESSOR	ECE, HOD	MEMBER
4	Dr. T. Kiran Kumar	ASSOC. PROF	A&SH, HOD	MEMBER
5	Dr. B. Bhanu Prakash	PROFESSOR	CSE, HOD	MEMBER
6	Mr. G. V. P. Anjaneyulu	ASSOC. PROF	EEE, HOD	MEMBER
7	Mr. N. Madhu	ASSOC. PROF	CIVIL, HOD	MEMBER

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

The Institute has a different framework to bolster the students showing up for different aggressive examinations. Students who are intrigued and willing to show up in focused examinations are prepared by employees from the divisions. Students can show up in online examinations utilizing web offices at our establishment. Mindfulness programs with respect to this are given. Study material as eBooks' for passage test like GATE is given in the computerized library of the college.

No of students qualified in GATE

Academic Year	CIVIL	CSE	ECE	EEE	MECH	IT	MCA
2015-2016	-----	-----	4	1	-----	-----	-----
2014-2015	--	--	--	1	--	--	--
2013-2014	NIL	--	2	2	--	--	--
2012-2013	NIL	--	1	4	--	--	--
2011-2012	NIL	--	1	4	--	--	--

No. of Students qualified in GRE/TOFEL/CAT/MAT/PGECET etc.

Academic Year	CIVIL	CSE	ECE	EEE	MECH	IT	MCA
2015-2016	5	--	16	2	--	--	--
2014-2015	10	15	10	6	6	--	--
2013-2014	08	17	20	8	10	6	4
2012-2013	09	10	15	6	8	8	3
2011-2012	--	6	10	8	--	10	4

5.1.8 What type of counselling services are made available to the student's academic, personal, career, psycho-social etc.)

Academic Counselling:

- The Faculty Advisors monitor the students in scholarly and individual matters by offering assistance regarding coaching & counselling. The genuine matters of students are ascertained
- HODs direct the poor students at division level. College has constituted a committed group of senior staff to advise the students which help them to enhance their scholarly execution.
- The scholastic facilitators and guides are selected to take care of the issues confronted by scholastically poor or sporadic students.
- Advisors meet the students each week, cooperate with them and record their grievances and recommendations in the directing book.

Personal Counselling:

- College has constituted a dedicated team of faculty who take care of the students who are academically low and irregular in attendance. Serious cases are referred to the Director for counseling. Students having personal problems like family issues, misunderstandings with family members, career guidance, and social issues are counselled by the team of counsellors.
- A Grievance redressal Cell is constituted to look into the grievances of students and to attend their problems.
- The faculty members meet 20 students attached to them in each class every week and guide them to face all challenges.
- Tirumala engineering college Page 206 An exclusive counselling and guidance cell is set up to attend the problems of newly admitted students.

Panel of Counselling In charges

Department	In charges
CIVIL	M.V.RAMESH
EEE	G.JAYARAJU
ECE	T.JAGADEESH

MECH	Ch. RAJANI KUMAR
CSE	Dr. R. GANDHI RAJA
A&SH	B.NARAYANA

Career Counselling:

The institution has constituted a devoted group of English Faculty only to bestow Soft Skills for the students. Delicate Skill Training Programs are occasionally led with interior asset persons and spaces are allocated in the standard time table. Preparing and Placement Cell consistently leads bunch discourses, one moment (JAM) and introduction and preparing programs for the students. Mock meetings are directed to set them up for arrangement and to confront the meetings. The college has a built up a Communication Skills Lab. The lab enhances the relational abilities of students. The college is an Advanced Partner of Campus Connect Program started by Infosys. This system is proposed to grant employability aptitudes in the building students of all branches. Infosys Campus Connect —Soft Skills module is being revealed each year to III year B.Tech students. Employees of English prepared by specialists from Infosys Company prepare the students.

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

The College has a framework to give profession direction and arrangements of the students. Preparing and Placement Officer leads the Training and Placement Cell, who is helped by a Training Coordinator and Department Placement Coordinators. Add on courses, are directed for the students to enhance their specialized aptitudes. The salient exercises of preparing and position cell are: In-house preparing Mock enrolment process.

In-house Training :

In perspective of its importance in enlistments, Special consideration is paid towards preparing the students in fitness, thinking, delicate abilities, programming and specialized learning. In-house preparing is incorporated as a piece of time table. Inner personnel is deputed to prepare the students. Students compose online test each week amid situation hour which is incorporated into their time table.

Mock Recruitment Process :

Mock tests and Interviews are held to set up the students to exceed expectations in situations. A ground meeting at the college empowers students to get their preferred positions.

The placement cell keeps a track of the meetings held. As and when the outcomes are proclaimed, the cell educates the students with respect to the choice. The Services gave to the students are recorded underneath:

The Placement and Training Cell conducts normal vocation direction through profession fests, work melas, entry level position preparing.

- Individuals from the situation cell give direction to the students in formal and casual gatherings.
- They are taught how to make CVs and different details are sorted out if any. The college sorts out addresses on vocation opportunities.
- Mock tests are held to encourage them to exceed expectations in this interest.
- Their execution is investigated after each test and afterward a meeting to generate new ideas is sorted out to survey their quality and shortcomings.

List of Companies Visited and students placed in Placement Drives 2014-2015 (till Date)

TIRUMALA ENGINEERING COLLEGE PLACEMENTS – 2014-15

S.NO	NAME OF THE COMPANY	NUMBER OF STUDENTS PLACED
1	NTT DATA Global Delivery Services	01
2	POWERICA LIMITED Servicee	04
3	mphasis India	02
4	OpenText	01
5	Mindtree Ltd.	02
6	4W Technogies.	14
7	TransDyne	33
8	Soft Solutions4u,	02
9	SUPERFECT SOLUTIONS PVT LTD	03
10	HAKUNA MATATA SOLUTIONS PVT LTD	0
11	Kochar Infotech	56
12	Axius Technologies	30
13	Accurate steel Forgings Limited.	12
14	Polaris	10
15	Fony technologies	12
16	Dharani infotech	07
17	Aagna Global solutions Pvt.	41
18	CMC Limited11/2,	56
19	ValueLabsLLP,	06

20	Eider Motors	10
21	HiveMinds Innovative Market Solutions	01
22	Redwan Technologies	47
23	Blue whale solutions	01
24	Precision engineering	10
25	Zebronics	03
26	Ikraft	05
27	Visiontek	02
28	Vee Technologies	20
29	Knoah sollutions	03
30	FACE Academy	02
31	Aqua pure plus pvt ltd	03
32	Data Logic india pvt ltd	02
33	TATA CONSULTENCY SEVICES	03
34	Balaji Industries	11
35	Symphony TelecaS	05
36	CAD Deploy	04
37	Inyxa Information Systems Pvt. Ltd(Off campus).	02
38	L&T	01
39	Tech Mahindra	01
40	Capgemini	01
41	IVRCL	03

TIRUMALA ENGINEERING COLLEGE PLACEMENTS: 2015-16 (till now)

SL. NO	NAME OF THE COMPANY	NUMBER OF STUDENTS PLACED
1	NTT DATA Global Delivery Services Limited	3
2	GLENWOOD SYSTEMS	2
3	MIND TREE Ltd	2
4	Capgemini	2
5	APPS ASSOCIATE	0
6	Great India Mining pvt. Ltd	10
7	STSII	4
8	EOS	11
9	DHARANI INFO. TECH PVT.LTD	6
10	JASMIN INFOTECH	WAITING FOR RESULTS
11	TCS	3
12	EXCELL	1
13	Ram Saya Corporate Ltd	14
14	PUZZOLANA	10
15	IVTL	1
16	ACCEL	6
17	CLOUD MACHINE	10
18	PUZZOLANA	10
	TOTAL	95



ACCURATE



4W.TECHNOLOGIES



AAGAN



AXIUS



CMC1



CMC 2



FONY



EDIER MOTORS



CMC



DHARANI



HIVE MINDS



IKRAFT



KOCHAR 1



KOCHAR 2



MIND TREE



MPHASIS



POLARIS



PRECISION



REDWAN



REDWAN



V TECHNOLOGIES



VISION TECH



ZEEBRONICS



CMC



List of Companies visited & Students placed in placement drive 2013-2014

S.NO	NAME OF THE COMPANY	NO.OF STUDENTS PLACED
1	GLENWOOD SYSTEMS	07
2	PILOG	05
3	AGILE ENTERPRISE SOLUTIONS	30
4	NIMBLE TECHNOLOGIES, INC	31
5	VEREXO	03
6	GREAT DATA SOLUTIONS INDIA PVT LTD	23
7	VISONTECH	02

List of Companies visited & students placed in placement drive 2012-13

S.NO	NAME OF THE COMPANY	NO.OF STUDENTS PLACED
1	COGNIZANT	01
2	IGATE TECHNOLOGIES	01
3	IBM (off campus)	02
4	TECHMAHENDRA (off campus)	01
5	INFOSYS (off campus)	02

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

YES.

The grievance redressal cell is constituted according to AICTE standards and everyday understudy grievances are tended to HODs/Principal. General issues identified with classroom instructing, library, e-sources, flask, lodging, inn mess and transportation has are determined by the cell. The structure of Grievance Redressal Cell is given beneath table.

S.No	Name	Designation	Department	Status
1	Dr. Y.V.Narayana	PRINICIPAL	ECE	CONVENER
2	Dr.N.Srinivasarao	PROFESSOR	A&SH	CO-ORDINATOR
3	Dr.T.Kiran Kumar	HOD	A&SH	MEMBER
4	Dr.K. Raghu Ram Mohan Reddy	HOD	MECH	MEMBER
5	Dr. M. Mahesh	HOD	ECE	MEMBER
6	Dr. B. Bhanu Prakash	HOD	CSE	MEMBER
7	G.V.P.Anjaneyulu	HOD	EEE	MEMBER
8	Mr.N.Madhu	HOD	CIVIL	MEMBER
9	Dr.Raghurami Reddy	PROFESSOR	MECH	MEMBER

The fundamental capacity of the cell is to talk about the grievances got from agrieved students and present a report to the Principal, with suggestions. Significant Grievances reported and move made.

S.No	Grievance Reported	Action taken
1	Student requested for Cricket net for regular practice	approved
2	Student are requested for bus facility from martur to college	Bus was arranged
3	Student are requested for bus facility from kandla kunta to college	Bus was arranged
4	NSS and cricket student team members are asked to provide free transportation for their services	Management arranged
5	Students are asked more library books for different subjects and also requested for gate,ies and cat books in library	sanctioned
6	Student reported that AC's are not working properly in IT workshop lab	repaired

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

The institution has a Women Empowerment and Grievance Cell which addresses the grievances of young lady students and female staff individuals. The cell contains one senior lady employee as a convener and one lady employee from every office as individuals. Establishment actualizes the suggestions made by the Cell. The individuals from the cell are:

S.NO	NAME	DESIGNATION	DEPARTMENT	STATUS
1	A.Savitri	ASSISTANT PROFESSOR	A&SH	CONVENER
2	N. Pavani	ASSISTANT PROFESSOR	CIVIL	MEMBER
3	Sk.Nasreen	ASSISTANT PROFESSOR	ECE	MEMBER
4	R.Hothri	ASSISTANT PROFESSOR	EEE	MEMBER
5	P. Varalakshmi	ASSISTANT PROFESSOR	CSE	MEMBER
6	K. Gayatri	ASSISTANT PROFESSOR	CSE	MEMBER
7	Sk.Gousia	ASSISTANT PROFESSOR	A&SH	MEMBER

The technique for structures mindfulness and to choose grievance is:

- The cell make its vicinity through blurbs, sees and intelligent sessions furthermore makes mindfulness among the students and staff on the issues they confront.
- When a protest is gotten by the cell, it leads a request to distinguish the gravity of the offense and the veracity of the dissension.
- In view of the confirmations, the board of trustees presents its report to the Principal for further activity. Yet, so far no such episodes have happened.

5.1.12 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?

Chair Person: Dr.Y.V.NARAYANA

Members:

1	NAME	DEPARTMENT
2	Sri.R.LALUNAIK	CSE
3	Sri.G.V.P.ANJANEYULU	EEE
4	Sri.T.KIRAN KUMAR	A&SH
5	Sri.V.KONDAIAH	MECH
6	Sri.M.H.H.SASTRY	ECE
7	Sri.G.GOPI RAJU	CIVIL
8	Sri.N,SRINIVASARAO	A&SH
9	Sri.G.SREENIVASARAO	A&SH
10	Sri.G.JAYARAJU	EEE
11	Sri.G.GANDHI RAJA	CSE
12	Sri.K.RAGHU RAMI REDDY	MECH
13	Sri. M.V. RAMESH	CIVIL

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

- Well being benefited a full time Doctor who goes to wellbeing related issues of both students and personnel is accessible amid college hours and off hours.
- A different cell to encourage the preparing of uses and settlements of government grants. Stationary and reprography office are accessible inside of the grounds.
- Library is open previously, then after the fact the college hours (8 A.M to 8 P.M)
- Internet office Wi-fi Connection in the lodging Internet lab for day researcher past working hours

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

YES.

The establishment has an enrolled Alumni Association. Graduated class affiliation was begun in the year 2011. It's thought process is to convey every one of the graduated class to one stage/with the goal that they can share their encounters, develop their assistance and give direction to the sprouting specialists of the college. All the went out students of the college are dynamic individuals from the Alumni Association. At present the college has quality of 3080. The Alumni is spread the world over and underpins the college in different exercises. Graduated class meet is held at College each semester. Graduated class add to the advancement of the college in the accompanying ways:

- Feedback on all matters identified with the college Alumni individuals dwelling in different parts of India and abroad impart their encounters to staff and students at whatever point they visit the foundation.
- Alumni underpins arrangement exercises of the students .
- Our graduated class has given a scanner machine to the library.

5.2 Student Support and Progression

5.2.1 Providing the percentage of students progressing their higher education and employment (for the last four batches)

Branch	Progression	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
CIVIL	UG to PG	0	0	0	15	.....
	Employed through in Campus Selection	0	0	0	8	14
	Employed through off Campus Selection	0	0	0	1	.....
EEE	UG to PG	12	10	12	7	.....
	Employed through in Campus Selection	23	36	4	32	2
	Employed through off Campus Selection	0	0	0	0	1
MECH	UG to PG	0	0	10	6	.....
	Employed through in Campus Selection	0	0	7	39	27
	Employed through off Campus Selection	0	0	0	0	.....
ECE	UG to PG	11	16	22	10	.....
	Employed through in Campus Selection	33	67	26	140	23
	Employed through off Campus Selection	0	0	0	8	15
CSE	UG to PG	6	10	17	15	.....
	Employed through in Campus Selection	2 173	5	--	70	7
	Employed through off Campus Selection	0	0	2	11	2

IT	UG to PG	10	8	6	0	.....
	Employed through in Campus Selection	19	14	3	69	.....
	Employed through off Campus Selection	0	0	0	0	.....
MCA	UG to PG	4	3	4	0	.....
	Employed through in Campus Selection	4	0	0	38	.....
	Employed through off Campus Selection	0	0	0	0	.....

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

Civil Engineering:

SI No	Course	YEAR	TEC
1	B.Tech	2011-2012	NIL
2	B.Tech	2012-2013	NIL
3	B.Tech	2013-2014	NIL
4	B.Tech	2014-2015	43.94
5	B.Tech	2015-2016	----

Electrical & Electronics Engineering:

SI No	Course	YEAR	TEC
1	B.Tech	2011-2012	68.18
2	B.Tech	2012-2013	83.3
3	B.Tech	2013-2014	48.4
4	B.Tech	2014-2015	29.23
5	B.Tech	2015-2016	-----

Mechanical Engineering:

SI No	Course	YEAR	TEC
1	B.Tech	2011-2012	NIL
2	B.Tech	2012-2013	NIL
3	B.Tech	2013-2014	51.5
4	B.Tech	2014-2015	46.15
5	B.Tech	2015-2016	-----

Electronics & Communication Engineering:

SI No	Course	YEAR	TEC
1	B.Tech	2011-2012	83.3
2	B.Tech	2012-2013	76.2
3	B.Tech	2013-2014	51.4
4	B.Tech	2014-2015	46.15
5	B.Tech	2015-2016	-----

Computer Science & Engineering:

SI No	Course	YEAR	TEC
1	B.Tech	2011-2012	85.2
2	B.Tech	2012-2013	87.0
3	B.Tech	2013-2014	58.2
4	B.Tech	2014-2015	42.2
5	B.Tech	2015-2016	-----

Information Technology:

SI No	Course	YEAR	TEC
1	B.Tech	2011-2012	100
2	B.Tech	2012-2013	59.0
3	B.Tech	2013-2014	48.1
4	B.Tech	2014-2015	81.48

Master of Computer Applications:

Sl No	Course	YEAR	TEC
1	PG	2011-2012	NIL
2	PG	2012-2013	100
3	PG	2013-2014	96.4
4	PG	2014-2015	100
5	PG	2015-2016	98.8

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

- Placement training through CRT Classes and Aptitude classes
- Pre-placement training for II/IV & III/IV for their future recruitment process
- On-line assessments test for IV/IV B-Tech students to get off campus and in-Campus selection
- Mock tests on quantitative aptitude and reasoning
- By conducting seminars and guest lectures by academicians from other reputed educational institutions and from highly experienced persons from core engineering sector to ignite competitive spirit among the students
- Special section called Training and Placement Cell will take care about all such activities from 2011-2012 onwards.
- Students encourage and motivated to write AMCAT And Co-CUBES to enhance their chances of OFF-Campus recruitment process, to get an opportunity in highly reputed organizations with better packages
- These training programs will continue till the students settled in their lifes and to grab good opportunity.

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

- Identification of students who are at risk of failure based on internal tests/Slip tests
- Identification of students who are at risk of drop out based on their attendance percentage and credits
- By conducting motivational speeches, art of living sessions and yoga classes to increase the positive attitude and self-confidence of individuals
- Conducting make-up classes for the low attendance students
- Conducting remedial-classes for the students who are at risk of failures

- Motivational counseling by each counselor to the students who are at risk of

BATCH	PARAMETER	CIVIL	EEE	MECH	ECE	CSE	IT	MCA
2008-12	Students admitted	--	67	--	72	62	55	--
	Dropouts	--	01	--	0	1	03	--
	No.of Students completed in 4 years	--	45	--	59	52	52	--
2009-13	Students admitted	--	56	--	130	62	45	60
	Dropouts	--	2	--	0	0	1	0
	No.of Students completed in 4 years	--	45	--	110	54	26	60
2010-14	Students admitted	--	64	56	144	67	55	57
	Dropouts	--	0	0	0	0	1	0
	No.of Students completed in 4 years	--	31	34	118	39	26	55
2011-15	Students admitted	54	65	61	143	67	56	44
	Dropouts	01	0	0	2	1	2	0
	No.of Students completed in 4 years	29	19	19	111	28	44	44
2012-16	Students admitted	65	60	59	176	113	--	24
	Dropouts	01	01	01	4	5	--	1
	No.of Students completed in 4 years							

failure and drop out

- Each counselor adopted twenty students for their personal and academic developments.
- Continuous counseling and immediate attention towards student health and emotional needs
- Communication of Students academic performance to their parents/Guardian to ensure the student complete their course successfully
- To find out practical difficulties meeting with parents to get positive outcome towards their successful life

- Motivating the students to use extended library facilities and encourage them to use Digital library to watch NPTEL and JNTU COERD videos about the concepts
- Tutorial hours to discuss about JNTUK Previous question papers to increase the confidence level of student

5.3 Student Participation and Activities

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

- A full-fledged Physical education department with qualified male and female physical director/education team is established.
- Physical director provides adequate training in athletics as well as specialized indoor and outdoor sports and games.

- Participation in Tournaments organized by JNTU Kakinada and other UNIVERSITIES/COLLEGES at zones, state and national level.
- Conduct activities that promote physical & mental fitness of students. To create the awareness about sports, games, cultural & extracurricular activities.

Sports & Games Facilities

- The department of Physical Education looks the Games and Sports activities.
- The department is headed by a qualified Physical Director and required infrastructure.
- The college has facilities for indoor games and also has well developed playgrounds for girls & boys separate outdoor games.

Activities

- Conduct of separate selection trials for girl students for picking up talented players for participation at Inter collegiate tournaments/Zones.
- Separate sessions conducting for boys, girls and also teaching & non teaching staff members

Facilities

- **Indoor Games :** Caroms, Chess, Table Tennis, Badminton etc.,
- **Outdoor Games:** Volleyball, Basketball, Tennis, Throw ball, Tennicoit, Kho - Kho, Cricket

Literary and Cultural activities

- Literary and Cultural activities pertaining to Annual day are under the supervision of Humanities and science department. Annual Literary and cultural activities are being organized during the period of November/December and March to April.

Participation of students at Intercollegiate Competitions

Sl.No	Year	Game	Name of the Student	BRANCH	INTER UNIVERSITY PLACE
1	2009-10	volley ball	G.Thambi	EEE	kannur university,kannur,kerala
2	2010-11	shuttle badminton	M.Sravan kumar	MCA	Dr.NTR university of health sciences,vijayawada
3	2010-11	volley ball	A.Benarji	IT	Kuvempu university,shimoga
4	2011-12	Athletics	P.Venkateswarlu	IT	Rajivgandhi university of health sciences,bangalore
5	2011-12	shuttle badminton	M.Sravan kumar	MCA	VIT University,Vellore,Tamilnadu
6	2011-12	base ball	A.Benarji	IT	Punjab University,Chandigarh,Punjab
7	2011-12	ball badminton	G.phanindra	CSE	Mangalore University,Mangalagangotri,Karnataka
8	2012-13	Kho-Kho	G.sirisha	CSE	University of Calicut,kerala
9	2013-14	kabaddi	A.Siva Reddy	MECH	Acharya Nagarjuna University,Guntur,AP
10	2014-15	volley ball	D.Srinadh	ECE	Krishna University,Machilipatnam,AP
11	2014-15	Kho-Kho	K.Mahesh	MECH	Anna University,Chennai
12	2015-16	volley ball	T.Anji Reddy	ECE	Andhra University,Visakhapatnam,AP
13	2015-16	Tennis	T.Sravanthi	CSE	University of health sciences,Vijayawada,AP
14	2015-16	Kho-Kho	T.Akhila Divya Vani	ECE	TamilNadu Physical Education & sports university,chaennai
15	2015-16	Kho-Kho	K.Akhila	MECH	Annamalai university,Chidambaram,Tamil nadu

With addition to above some more students participation wise & college wise list is as follows

YEAR	NAME OF EVENT	ORGANIZING COLLEGE	LEVEL OF COMPETITION	NO. OF PARTICIPENTS	prizes
2011-12	VOLLEY BALL	Tec, Narasaraopet	Jntu Kakinada Zone-D	10	.....
2011-12	KABADDI	Tec, Narasaraopet	Jntu Kakinada Zone-D	10	.....
2011-12	SHUTTLE/BAD MINTON	Tec, Narasaraopet	Jntu Kakinada Zone-D	2	2
2011-12	TABLE TENNIS	Tec, Narasaraopet	Jntu Kakinada Zone-D	2	.....
2011-12	VOLLEY BALL	Eswar Eng College, Narasaraopet	National Level Fest Dadasaheb Memorial	10	10

2011-12	VOLLEY BALL	Vignan University		10	.....
2011-12	KABADDI	Vignan University	National Level Fest	10	.....
2011-12	SHUTTLE/BAD MINTON	Vignan University	Vigana Mahostav	1	1
2011-12	SHOT PUT	Jntu Kakinada	Jntu Kakinada	1	1
2011-12	JAVALIN THROW	Jntu Kakinada	Jntu Kakinada	1	1
2011-12	SHUTTLE/BAD MINTON	Jntu Kakinada	Jntu Kakinada	3	........
2012-13	KABADDI	Dr. Samuel George Institute Of Eng & Tech	Natioanal Level Fest	10	10
2012-13	VOLLEY BALL	Dr. Samuel George Institute Of Eng & Tech	Natioanal Level Fest	10	........
2012-13	kho-kho	Dr. Samuel George Institute Of Eng & Tech	Natioanal Level Fest	12	........
2012-13	SHUTTLE/BAD MINTON	Dr. Samuel George Institute Of Eng & Tech	Natioanal Level Fest	2	........
2012-13	TABLE TENNIS	Dr. Samuel George Institute Of Eng & Tech	Natioanal Level Fest	2	2
2012-13	VOLLEY BALL	Rotary Club-Nrt	Ssn. Dr College	10	10
2012-13	TABLE TENNIS	Nalanda College Of Engineering	National Level Fest	2	2
2012-13	KABADDI	Nalanda College Of Engineering	National Level Fest	10	10
2012-13	TABLE TENNIS	Chalapathi Institue Of Tech & Science	National Level Sports Cornial	10	10
2012-13	CHESS	Chalapathi Institue Of Tech & Science	National Level Sports Cornial	4	4
2012-13	KABADDI	Jntu Kakinada	Jntuk Central Zone	10	.....
2012-13	KABADDI	Jntu Kakinada	Jntuk Central Zone	3	.....
2013-14	VOLLEY BALL	Jntu Kakinada Zone-D	Paul College Of Eng & Tech	10	.....
2013-14	KABADDI	Jntu Kakinada Zone-D	Paul College Of Eng & Tech	10	10
2013-14	TABLE TENNIS	Jntu Kakinada Zone-D	Paul College Of Eng & Tech	2	2

2013-14	SHUTTLE/BAD MINTON	Jntu Kakinada Zone-D	Paul College Of Eng & Tech	2	.....
2013-14	VOLLEY BALL	Rotary Club-Nrt	Ssn College Nrt	10	10
2013-14	VOLLEY BALL	Chalapathi Institue Of Tech & Science	National Level Sports Cornival	10	10
2013-14	CHESS	Chalapathi Institue Of Tech & Science	National Level Sports Cornival	4	4
2013-14	KABADDI	Kits College Of Engg & Tech	Natioanal Level Fest	9	.....
2013-14	VOLLEY BALL	Kits College Of Engg & Tech	Natioanal Level Fest	10	.....
2013-14	SHOT PUT	Kits College Of Engg & Tech	Natioanal Level Fest	1	.....
2013-14	CRICKET	Eenadu	Eenadu	14	.....
2013-14	CRICKET	Kits College Of Engg & Tech	Jntu Kakinada Zone-D	15	.....
2013-14	VOLLEY BALL (W)	Vasavi Engg College Tadepalligudem	Jntu Kakinada Single Zone	9	.....
2013-14	THROW BALL (W)	Vasavi Engg College Tadepalligudem	Jntu Kakinada Single Zone	10	.....
2013-14	TABLE TENNIS (W)	Vasavi Engg College Tadepalligudem	Jntu Kakinada Single Zone	4	.....
2013-14	SHUTTLE (W)	Vasavi Engg College Tadepalligudem	Jntu Kakinada Single Zone	3	.....
2013-14	KABADDI	Jntu Kakinada	Jntuk Central Zone	10	.....
2013-14	TABLE TENNIS	Jntu Kakinada	Jntuk Central Zone	4	.....
2013-14	CHESS	Jntu Kakinada	Jntuk Central Zone	4	.....
2014-15	VOLLEY BALL	Nalanda Institue Of Tech & Science	Jntu Kakinada Zone-D	10	10
2014-15	KABADDI	Nalanda Institue Of Tech & Science	Jntu Kakinada Zone-D	10	.....
2014-15	TABLE TENNIS	Nalanda Institue Of Tech & Science	Jntu Kakinada Zone-D	4	4
2014-15	SHUTTLE/BAD MINTON	Nalanda Institue Of Tech & Science	Jntu Kakinada Zone-D	4	.....
2014-15	CRICKET	Eenadu	Eenadu	14	.....
2014-15	CRICKET	Chalapathi Sports	Chalapathi Institue	15	15

		Carnival	Of Tech & Science		
2014-15	CRICKET	Dada Saheb Memorial 20-20 Cup	Eswer Eng College	15	15
2014-15	KABADDI	Kits College Of Engg & Tech	Natioanal Level Fest	10	10
2014-15	THROW BALL	Kits College Of Engg & Tech	Natioanal Level Fest	9	.....
2014-15	TENNI COIT	Kits College Of Engg & Tech	Natioanal Level Fest	2	.....
2014-15	VOLLEY BALL (M + W)	Kits College Of Engg & Tech	Natioanal Level Fest	10+10	.....
2014-15	KHO-kho	Nalanda Institute Of Tech & Science	Natioanal Level Fest	12	.....
2014-15	THROW BALL (W)	Guntur Engg College	Jntu Kakinada Single Zone	10	.....
2014-15	VOLLEY BALL (W)	Guntur Engg College	Jntu Kakinada Single Zone	8	.....
2014-15	SHUTTLE (W)	Guntur Engg College	Jntu Kakinada Single Zone	4	.....
2014-15	TABLE TENNIS (W)	Guntur Engg College	Jntu Kakinada Single Zone	3	.....
2014-15	VOLLEY BALL	Jntu Kakinada	Jntuk Central Zone	10	.....
2014-15	TABLE TENNIS	Jntu Kakinada	Jntuk Central Zone	4	.....
2014-15	KABADDI	Sai Tirumala Engg College	Natioanal Level Fest	10	10
2014-15	VOLLEY BALL	Sai Tirumala Engg College	Natioanal Level Fest	10	.....
2014-15	THROW BALL	Sai Tirumala Engg College	Natioanal Level Fest	10	10
2014-15	TENNI COIT	Sai Tirumala Engg College	Natioanal Level Fest	2	.....

NSS & Helping Hands Activities

To encourage students in serving the nation and society, the nearby villages are adopted and seven day special camps are conducted. Students in large number actively participate under the guidance of programme officer. Awareness regarding cleanliness, importance of education, health care and self help are given. List of programmes conducted.

Sl.no	Program Duration	Name of the Program	No. of Members Participated in NSS/ Way of Utilization Of Helping Hands
1	1 week (30-12-10 to 5-01-11)	NSS special program at JONNALAGADDA	--
2	1 week (3-2-12 to 9-2-12)	NSS special program at SATULURU	45+ 10 (staff)
3	1 week (28-2-13 to 6-3-13)	NSS special program at SRKT COLONY, KESANUPALLI VILLAGE	50+03 (staff)
4	1 week (10-2-14 to 16-2-14)	NSS special program at RANGAREDDY PALEM, JONNALAGADDA	50+2 (staff)
5	2011-12	Helping Hands (30,000/-)	For Kidney Operation (STUDENTS + ALL STAFF)
6	2013-14	Helping Hands (1,12,245/-)	DONATED TO POOR PEOPLE (STUDENTS + ALL STAFF)
7	2014-15	Helping Hands (1,28,375/-)	DONATED TO POOR PEOPLE (STUDENTS + ALL STAFF)
8	2014-15	Helping Hands	Cyclone Affected at vizag

		(1,00,000/-)	(STUDENTS + ALL STAFF)
9	2015-16	Helping Hands (1,15,505/-)	DONATED TO POOR PEOPLE (STUDENTS + ALL STAFF)
10	2014-15	Helping Hands (13,000/-)	DONATED TO BLIND PEOPLE

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

- College encourages and supports students to take part in various co-curricular, extracurricular & cultural activities.
- Our college students have excelled in various competitions of university, state, zonal, national co curricular activities.
- So many of our students won Prizes/Shields and also cash prizes won in other college fests and activities.
- Details of participation in technical events like paper presentation/technical quiz/poster presentation/ coding.

Year	DEPARTMEN T/STUDENT	NAME OF THE EVENT	PARTICI PATIONS	NO.OF STUDENTS WON
2011	P.Venkateswa rlu	EVENT SPORTS(SHORTPUT)	1	1ST
2011	N.Rajeev	CARTEL	1	2ND
2011	N.Rajeev	EVENT POSTER	1	
2011	N.Rajeev	PPT	1	
2011	S.Raviteja (Cse)	PPT	1	
2011	N.Rajeev	PPT	1	
2011	S.Raviteja (Cse)	PPT	1	
2011	N.Rajeev	PPT	1	
2011	Gopi Sumanth.M	PPT	1	1ST
2011	N.Rajeev	PPT	1	1ST
2011	Y.Pavan Kumar	PPT	1	
2011	Y.Pavan	SCHOOL OF	1	

	Kumar	ELECTRONICS		
2011	Anusha	SEMINARIUM	1	
2011	Nagamani	SEMINARIUM	1	
2011	R.V.N.M Srinivas	EVENT CONCEITO	1	
2011	M.N.P.Chand u	EVENT CONCEITO	1	
2011	V.Pavani	PPT	1	
2011	Ch.Durga Bhavani	PPT	1	
2011	K.Anil Kumar	PPT	1	
2011	C.H.V Ananth	PPT	1	
2011	G.L.V Subbaiah Chowdary	PPT	1	
2011	G.Pardhu	PPT	1	
2011	M.N.P.Chand u	PPT	1	
2011	Ch.Priyanka	PPT(SMART ANTENNA'S)	1	
2011	D Sudha Rani	PPT(SMART ANTENNA'S)	1	
2011	Ch .Priyanka	TECHNOVATION	1	
2011	D Sudha Rani	TECHNOVATION	1	
2011	P.Venkateswa rlu	PPT THE CULTURAL PROCESSIONS	1	
2011	I.Jayapraksh Reddy	PPT THE CULTURAL PROCESSIONS	1	
2011	G.Thambi	PPT THE CULTURAL PROCESSIONS	1	
2011	N.Vijay Kumar	PPT THE CULTURAL PROCESSIONS	1	
2011	Ch.Priyanka	PPT (TIME FREQUENCY ANALYSIS)	1	1st
2011	D Sudha Rani	PPT (TIME FREQUENCY ANALYSIS)	1	2nd
2011	D Sudha Rani	PPT (TIME FREQUENCY ANALYSIS)	1	
2011	Ch.Priyanka	PPT (TIME FREQUENCY	1	

		ANALYSIS)		
2012	N.Manikanth Reddy	SAMYAK-12	1	.....
2012	K.Trinadh Chowdary	SAMYAK-13	1	.....
2012	N.Manikanth Reddy	VIGNAN MAHOTSAV(SPOORTH Y)	1	.....
2013	V.Praveen Kumar	FIESTA 2K13	1	.....
2013	V.Praveen Kumar	PPT	1	.....
2013	V.Praveen Kumar	LITERARY	1	1ST
2013	G.Daniel Harsha	LITERARY	1	2nd
2013	V.Praveen Kumar	EDUCATION PLUS	1	.....
2013	Mohammed Khan	EDUCATION PLUS	1	.....
2013	K.Rahul Ganesh	EDUCATION PLUS	1	.....
2013	N.Bhagya Teja	EDUCATION PLUS	1	.....
2013	K.Sunil Kumar	EDUCATION PLUS	1	.....
2013	K.Venkatesw ara Reddy	EDUCATION PLUS	1	.....
2013	G.Vijay Kumar	KITS YUVA	1	1ST
2013	G.Babu	KITS YUVA	1	2nd
2013	G.Venkatesh	KITS YUVA	1	.....
2013	Ch.Chaitanya Chowdary	VAGANZA 2K13	1	2ND
2013	Ch.Chaitanya Chowdary	VAGANZA 2K13	1	.....
2013	G.Ravindra Babu	VAGANZA 2K13	1	2ND
2013	G.Venkatesh	VAGANZA 2K13	1	.....
2013	B.Chinna Talluri	VAGANZA 2K13	1	.....

2013	B.Chinna Talluri	VAGANZA 2K13	1	2ND
2013	G.Ravindra Babu	VAGANZA 2K13	1	.....
2013	G.Durga Sree Harsha	PITSTOP13	1	1ST
2013	G.Durga Sree Harsha	VIGNAN MAHOTSAV(SPOORTHY)	1	SPECIAL PRIZE
2013	G.Durga Sree Harsha	INNOVATIA	1	....
2011-12	MECH	WORKSHOP	2	.....
2011-12	EEE	TECHNO MANAGEMENT FEST	1	1
2011-12	EEE	BEC TABON 2K11	2	1
2011-2012	ECE	PAPER PRESENTATION	2	2
2011-2012	ECE	POSTER PRESENTATION	1	1
2011-2012	ECE	CARTEL	1	1
2012-13	ECE	PAPER PRESENTATION	25	2
2012-13	ECE	POSTER PRESENTATION	10	2
2012-13	ECE	PROJECT EXPO	13	3
2012-13	ECE	QUIZ	4	.....
2012-13	ECE	WORKSHOP	6	.....
2012-13	MECH	ELOCTUTION	1	.....
2012-13	MECH	QUIZ	5	2
2012	MECH	CULTURALS	3	.....

-13				
2012 -13	MECH	PROJECT	9	6
2012 -13	MECH	PAPER PRESENTATION	1	.....
2012 -13	EEE	ECLAT 2K12	2	2
2013 -14	ECE	PAPER PRESENTATION	2	2
2013 -14	ECE	POSTER PRESENTATION	.....	.....
2013 -14	ECE	CIRCUITRIX	2	2
2013 -14	MECH	PAPER PRESENTATION	2	.....
2013 -14	MECH	PICTORIAL	2	2
2013 -14	ECE	QUIZ	16	16
2013 -14	ECE	PROJECT EXPO	7	7
2013 -14	ECE	GROUP DISCUSSION	3	3
2013 -14	ECE	SPELL BEE	1	1
2013 -14	ECE	VISION TEST	1	1
2014 -15	ECE	PAPER PRESENTATION	.....	.....
2014 -15	ECE	POSTER PRESENTATION	.....	.....
2014 -15	ECE	ENTERPRENUER DEVELOPMENT PROGRAM	8	.....
2014 -15	EEE	SAMYAK	3	.....
2014 -15	EEE	FREEDOM FEST	2	.....
2014 -15	EEE	MOHANA MANTHRA- 2014	2	.....
2014	EEE	ATMOS-ANNUAL	9	.....

-15		MANAGEMENT FEST		
2014 -15	EEE	WORKSHOP ON RIPPLE MICROSOFT IT INDIA	2	.....
2014 -15	EEE	ICCIET-2014	1	.....
2014 -15	EEE	SRM	4	.....
2015 -16	ECE	PAPER PRESENTATION	.....	.....
2015 -16	ECE	POSTER PRESENTATION	.....	.....
2015 -16	EEE	ATMOS 15	4	.....
2015 -16	EEE	SAMKALP	1	1
2015 -16	EEE	INNOVISION	2	2
2015 -16	EEE	KITS YUVA	2	2
2015 -16	EEE	VALIANT	1	....
2015 -16	EEE	ESWAR QUEST	1	1
2015 -16	EEE	A-Z TECHNICAL SOLUTIONS	1	.....
2015 -16	EEE	LITAM QUEST	1	1
2015 -16	EEE	WISHV-2K15	1	1
2016 -17	EEE	JUBILATION 2K16	2	2

YEAR	Department	Name of the event	No of students participated	No of students won prizes
2011-12	EEE	TECHNO MANAGEMENT FEST	1	1
2011-12	EEE	BECTABON 2K11	2	1
2011-12	EEE	ECLAT 2K12	2	2
2014-15	EEE	SAMYAK	3	--
2014-15	EEE	FREEDOM FEST	2	--
2014-15	EEE	MOHANA MANTRA 2014	2	--
2014-15	EEE	ATMOS- ANNUAL MANAGEMENT FEST	9	--

2014-15	EEE	WORKSHOP ON RIPPLE MICROSOFT AT INDIA	2	--
2014-15	EEE	ICCIET - 2014	1	--
2014-15	EEE	SRM	4	--
2015-16	EEE	ATMOS 15	4	--
2015-16	EEE	SAMKALP	1	1
2015-16	EEE	INNOVISION 2K15	2	2
2015-16	EEE	KITS YUVA	2	2
2015-16	EEE	VALIANT	1	--
2015-16	EEE	ESWAR QUEST	1	1
2015-16	EEE	A-Z TECHNICAL SOLUTIONS	1	--
2015-16	EEE	LITAM QUEST WISHV – 2K15	1	1
2015-16	EEE	JUBILITRON 2K16	2	2

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

➤ The college regularly interacts with alumni meets and collecting feedbacks collected.

- After the placement Interviews College interacts with employers and collects the feedback from company/industry HR persons and also from students who placed.
- The institution collects feedback from the students at the starting and also end of every semester as online.
- The feedback at end of semester comprises of 12 different aspects to be marked on a scale of 1 to 5 (with 5 being the best).
- At the first level, if the feedback is about the faculty, departmental issues, then it is solved at the level of the HOD's.
- In every semester before University Mid exams department wise conducting Class Review Committee with Chairperson, HOD, class Incharges & all class faculties as members with CRC member students. CRC students' members include all categories of students like above average, average, below average students.
- Each staff member handling 20 students for counseling and also collecting drawbacks about understanding of subjects, practical's & class issues at time of counseling.
- The feedback report is discussed with the Principal and if necessary then management. If the issues are general in nature, it will be handled accordingly in a system consisting of senior professors, Principal and management for redressal.
- The Exit feedback is collected from all the outgoing students every year seeking their opinion on the instructions and delivery, infrastructural facilities, remedial classes, library facilities, transport facilities, hostel facilities, computing facilities, games & sports facilities, training facilities, support to placement activity, etc.
- The feedback of the students is compiled and all the suggestions made by the students are taken into consideration for effective improvements in subsequent years. The employers of the organizations are requested to give their feedback on the performance of the Alumni of this college employed in their organizations and this feedback is utilized to modify their methodology of teaching to suit industrial needs.
- Exit interview feedback collecting from relieving staff members in the form of management, administration, infrastructure and advices for improving college.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, College Fest Proceedings, college magazine, and other material?

- Students are given the required motivation and conceptual help for preparing technical papers at National level paper presentation contests.
- Departments encourage the students to prepare and display the working models during the project expo & technical quizzes.
- College conducting technical paper presentation contest & project expos, for the students and encourages all the students to participate in conferences & technical fest (Prayaga Fest, Project Expos, Teachers Day & Engineers Day, Michel Faraday birthday) to present their research & innovative thinking.

➤ The students are involved in various committee, association activities and also professional bodies formed for organizing workshops, guest lectures at institution & departmental level, paper presentations, technical quizzes, spot events.

➤ The College encourages its students to publish materials like college magazine; Newsletters, Work on Wheels (WOW), PRAYAGA REFLECTIONS etc. The students are motivated to express their talent in the form of articles, paintings, quotations.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

➤ YES. All the departments have Association. The executive committees of these associations comprise President from final year, Vice-President from pre-final year, Secretary from second or first year and Treasurer from third year. The associations conduct the activities under the guidance of the association co-coordinator and faculty representatives.

➤ The College makes budgetary allocations for student activities. The following are the activities generally undertaken by the departmental associations: Technical Talks & Technical Quiz, Workshops, and Project Expos.

➤ In addition to the departmental associations, the student chapters of ISTE, IETE, CSI and IEEE also exist. Respective amount is collected from the interested students towards professional membership fee and every student has the choice to become the member of any of the above chapters.

➤ The college also has a student council to organize/conduct the events of co-curricular and extracurricular activities. The student council is constituted by nominating two student's one girl and one boy from each department and the meetings are held under the guidance of the faculty advisor and HOD's.

➤ The student council actively involves in planning, organizing and conducting the annual techno-cultural festival PRAYAGA to showcase the culture of all the parts of the country in a grand way. The college funds entirely for all the activities.

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

Taking cognizance of important role of students in different academic and administrative activities, students are nominated as members of various committees including:

- Academic Advisory Committee
- Class Review Committee
- Anti Ragging Committee
- Placement Co-ordination committee
- Co-curricular activities committee
- Departmental Association
- Industrial Visiting Committee
- Student Discipline Activities Committee
- Transportation Committee

- Technical Advisory Committee
- NSS
- IEEE Student Chapter
- ISTE Student Chapter
- CSI Student Chapter
- IETE Student Chapter

The college is having various clubs like technical & Cultural, sports, dance, music, yoga, painting, culinary, language, social welfare and green clubs in which students are nominated as members.

The following academic and administrative bodies exist in the college in which students are nominated as members. Academic Members: Class Monitoring Committee: Each class has a class representative committee members (CRC) includes both Boys & Girls representative. Principal as Chair person with HOD of each department interacts with class representative committee members and enquires about academic issues from time to time.

Student Organizing Committee: Constituted at department level to organize various technical events during inter collegiate fests like PRAYAGA, seminars and conferences. Administrating Bodies Anti Ragging Committee: Minimum 7 students from all branches Women Empowerment And Grievance Cell: minimum 7 students from all branches Student Affairs Committee: Minimum 7 students from all branches Career Development Committee: Minimum 7 students from all branches Canteen Committee: Minimum 7 students from all branches Hostel Committee: Minimum 7 students from all branches.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution. Any other relevant information regarding Student Support and Progression which the college would like to include. Network with the Alumni.

The members of college administration and the senior faculty of all the departments participate in the annual or semi-annual alumni meetings on invitation and support for the development of the institution. The departments seek the opinion / suggestions of alumni on various developmental activities by sending mails to them and requesting them to fill the Performa supplied in this regard. An alumni portal is designed in the college website for better interaction between the college and alumni.

**CRITERION VI
GOVERNANCE, LEADERSHIP AND MANAGEMENT**

6.1 Institutional Vision and Leadership

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

Vision of the Institute:

To be a world class leader in transforming lives through an innovative, rigorous, and compassionate approach by imparting high quality academic excellence in technical education to uplift the living standards of the rural youth by promoting the cutting edge technologies, employability, higher education and research with socio-ethical, eco-friendly and entrepreneurial values.

Mission of the Institute:

To develop high quality technical personnel with a sound footing on basic engineering principles, innovative research capabilities and exemplary professional conduct to lead and to use technology for the progress of mankind, training and adepting them to changing technological environment by providing the high quality instruction, infra, faculty, effective teaching and learning methods imbining socio-ethical, eco-friendly and entrepreneurial values as the inner strength.

Quality Policy

We at Tirumala engineering college, strongly belief that Quality is the essence of life. Hence, TEC will constantly strive to improve the Quality of education and training imparted to its students by establishing state-of- the-art laboratories and modernizing them continually, upgrading the knowledge and skills of its staff periodically and developing strong linkages with industry.

The society needs engineers who can transform the world into a better place to live in and industry needs engineers with technical competence and excellent skills set to meet the customer needs which are mercurial in nature in the present day world. To meet these challenges, the institute envisages developing into a world class institute by providing all facilities to produce highly competent engineers with a human touch and exemplary work ethics, who can build a better society for the future generations.

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

Management

Tirumala Engineering College is sponsored by Venkataramana Charitable Trust, Narasaraopet (2008).TEC Active Management – Sri B.BrahmaNaidu as its Chairman ,Sri B.Nageswara Rao as its Vice Chairman, Sri R. Satyanarayana as its Secretary & Correspondent ,Dr.N.Venkata Rao as its Joint Secretary and Sri D.Brahmanandam as its Treasurer - hereafter referred to as Management works hard to keep the momentum in

all the activities of learning and implementation of result oriented programmes that bring Excellence and quality in teaching-learning processes in professional colleges.

The Governing Body comprising members from the Trust Board, Industry, and JNTUK conducts at least two meetings in an academic year and discusses problems faced in the past and how to rectify them in the future. It advises the Governing Body to direct the Principal to act accordingly and The Principal as the head of the institution provides a dynamic and requisite leadership to the system. The Secretary and Correspondent regularly interacts with faculty to discuss various policy matters and their effective implementation. The development, supervised by the management, comprises building extension activities, creating additional facilities, introduction of new courses, inclusion of new faculty, employing staff, student admissions, etc.

The Management and Principal are always available to the faculty who want to present their views and ideas. The opinions of faculty and staff will be considered positively for evolving policies. The Principal of the college involves, monitor the academic system and development in association with the various faculties, evolves strategies for academic growth. The faculty is actively involved in the decision-making process to sustain and enhance quality of education imparted by the institution. The top management takes utmost care in providing excellent infrastructure facilities and conducive learning environment to the faculty and students. The leadership in TEC is such that it motivates all its employees to contribute their best by providing a harmonious work culture.

Tirumala Engineering College Governing Body Members

S.No	Name of Member of BoG	Qualifications and position in the current engagements	Position	Nominated by
1	Sri.R.Satyanarayana	Secretary & Correspondent, TEC., Narasaraopet.	Chairperson	Management
2	Sri .B.Brahma Naidu	Chairman, TEC., Narasaraopet.	Member	Management
3	Sri .B.Nageswara Rao	Vice Chairman, TEC., Narasaraopet.	Member	Management
4	Sri .B.Brahmanandam	Treasurer, TEC., Narasaraopet.	Member	Management

S.No	Name of Member of BoG	Qualifications and position in the current engagements	Position	Nominated by
5	Dr. M. Mahesh	M.Tech., Ph.D. & HOD, ECE Department, TEC., Narasaraopet.	Member	Principal
6	Dr. K.R. Mohan Reddy	M.Tech., Ph.D. & HOD, Mechanical Department, TEC.,Narasaraopet.	Member	Principal
7	Dr.N.Srinivasa rao	M.sc., Ph.D. & Vice-Principal, Member Principal TEC.,Narasaraopet.	Member	Principal
8	Dr.B.Bhanu Prakash	M.Tech, Ph.D & HOD, CSE Department, TEC.,Narasaraopet.	Member	Principal
Educationists or Industrialists				
9	Dr P Udaya Bhaskar	APPSC Chairman	Member	Management
10	Dr T Venkatarami Reddy	Former Chariman of APPSC	Member	Management

S.No	Name of Member of BoG	Qualifications and position in the current engagements	Position	Nominated by
11	Dr.D.H Chowdhary	Director, Centre for Telecom Management and Studies	Member	Management
12	Mr.D.Prasad	MD Jyothirmaie Textiles Pvt.Ltd.	Member	Management
13	Dr.A. Sudhakar	Principal,RVR&JC. Guntur	Member	Management
14	Mr. K.Prasad	Mechanical Department, JNTU-K. Kakinada.	JNTUK Nominee	JNTUK, Kakinada
Head of the Institution, Ex-officio				
15	Dr. Y.V.Narayana	M.Tech., Ph.D., & Principal, TEC, Narasaraopet.	Member Secretary	Management

Principal

The Governing Body is the highest decision making authority with the Principal as its Member Secretary. The Principal organizes activities as per the requirements and implement them effectively at institutional level. He plays the leading role in the governance and management of the institution, ensuring transparency in the functioning of the Institution and maintaining core values, on being facilitated by the Governing Body and supported by the staff. TEC has an efficient coordinated management system under the leadership of the Principal for academic designing, development and implement the policies and plans effectively, through committees constituted with teaching and non-teaching staff and students constituted by the Governing Body. The Principal peruses the confidential evaluation of the teachers and the overall institutional performance by the

students and takes necessary actions/initiatives for further improvement of the facilities offered by the institution.

Responsibilities of Principal

- All correspondence with JNTUK University, Govt. of Andhra Pradesh, AICTE And other institutions.
- Implementation of Service Rules and Leave Rules of the Staff.
- Student Admissions and Staff Recruitment.
- Training & Placement and Career Guidance of Students and Faculty.
- Development Programmers' Workshops and Seminars.
- Duties and Responsibilities of Heads of the Departments, Staff and their Workload.
- Student and Staff Appraisals, Discipline, Counsel.
- University Examinations and Evaluation of Students.
- Scholarships, Recommendations for Budget Allocation, Staff Welfare, R&D Projects.
- Planning and implementing curricular, co-curricular and extracurricular activities, Inception Day and Annual Day, Fresher's Day, Farewell Day, etc. Any other duty assigned by Chairman of the Institution.

Heads of the Departments and Faculty

The proactive management of our institution is assisted by Principal, Vice-principal, Heads of Departments, faculty and staff toward a comprehensive development of the institution. The democratic set-up is extensive with each department having fullest freedom to innovate and plan its perspective development, maintaining the span of control in administration to ensure harmony. Thus, empowerment through the valid administrative system delegates and promotes co-operation, sharing of knowledge and innovations.

List of Heads of Departments

S.NO	NAME	DEPARTMENT
1.	Dr.T.Kiran Kumar	AS&H
2.	Mr.N.Madhu	CE
3.	Dr.K.R.Mohan Reddy	ME
4.	Mr.G.V.P.Anjaneyulu	EEE
5.	Dr.M.Mahesh	ECE
6.	Dr.B.Bhanu Prakash	CSE

Our TEC family believes in teamwork that leads to the best practices of the institution. The faculty members of the institution follow the advices given by the

Principal and interact with him time to time for seeking their flexible enough to work for the development of the institution. The faculty members are keen to work in tune with requirements and take active participation in designing and implementing various quality improvement plans and programmes

6.1.3 What is the involvement of the Leadership ensuring?

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

The policy statements and action plans for fulfillment of the stated mission.

The management encourages the involvement of the staff in the process of decision making in institutional functioning and effective operationalisation. In line with the objectives, the management takes responsibility in providing the facilities for learning and growth of the Institution. The institution admits students from rural background and many of them are first graduates in their families. The mission is to produce highly competent engineers with excellent technical and behavioral skills. The management proactively supports all the activities that mould the students into worthy citizens of the society. The Governing Body ensures that the policy statements and action plans are fulfilled in accordance with the stated mission of the institution.

The College Academic monitoring Committee formulates action plans for the implementation of these policies and programmes. Facilities like interactive smart classes, English Language Lab, Centralized Computing facility, Digital Library, sophisticated labs for all branches of Engineering and basic sciences along with sufficient number of printers, scanners, copiers, intercom facility, a well designed and maintained website for annual academic updates for obtaining the mission of the institution. In addition to these, the institution assures clean environment, lush green compound with outdoor and indoor sports facilities. The institution ensures scholarships for all, and provides student amenities like transport and food at subsidized rates and thereby supports hassle free academic engagement.

Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

The management maintains transparency in planning the intention of the organization to all its employees through clarity in authority and delegation to obtain positive results in improving the performance of institution. Based on the objectives, the management advises the staff to accomplish the strategic plans through various activities. Prior planning is made by every department well before the commencement of the academic year and after critical study, the budget is allocated under various heads for

improving infrastructure and development of the institute. the management takes responsibility in providing the facilities for learning and growth of the college.

Success is ensured through strict observation to the action plans.

- The action plans for operations are prepared under the supervision and guidance of the Principal, Vice-principal, and Heads of the Departments.
- Various committees are initiated into their defined roles in formulating and achieving the strategic plan.

Interaction with stakeholders

Keeping in mind the stakeholders whom the college has to serve as students, faculty, parents, industry, government and society, The College makes conscious efforts to build a healthy relationship with its stakeholders. The inputs and feed back about the functioning and various other aspects of the College is collected through a number of ways. The feedback received from all stakeholders are reviewed, analyzed and remedial actions are initiated. Interaction of the Principal with various stakeholders, The participatory role of the management motivates the involvement of the College staff, which is necessary for the efficient and effective running of the College.

- Interaction with **faculty members** through various formal and informal meetings and also obtaining feedback from them.
- Organizing **parents** meeting during the admission process, interacting with them during counseling and obtaining the views and suggestions of parents. Counseling of the students along with their parents to turn around from their difficult phases.
- **Students** are the important stakeholders who are influential for the success of an educational institution. Modes of Interaction with the students involve Day-to-day interaction, CRC Meeting, Counseling & Mentoring, Periodic Feedback (Staff, teaching-learning, Examination), Interaction in Student Mentoring and Discipline Committee (SMDC), and Grievance Cell.
- An **alumnus** is best source to obtain un-biased feedback basing on their experience within the college and the external world.
- **Employers** like the Government, Industry and Universities play a prominent role in providing and sharing the information about industry requirement and satisfaction with the institute. And also their feedback help the college to identify any improvisations required in the talents of the students.
- **Industry** is also considered as an important stakeholder. Interaction happens in the following contexts: Recruitment of Faculty Members, Orientation Programmes to Students, Guest Lectures, Internship, Industry Visit, Project works, value added course, workshop, Board of Studies Meetings, Academic Council and Governing Council Meetings.
- Recording the opinions of the academicians and other eminent people when they visit the college

Proper support for policy and planning through need analysis, research inputs and consultations the stakeholders

- The Institution leadership undertakes to identify the needs of the society through its interactions with University, AICTE and other academic authorities.
- It also receives regular feedback from students, parents and alumni to frame plans. The management fully supports any new plans for the benefits of its stakeholders. Based on the employers feedback about the students placed in the preceding years, the students are given additional training in the areas for improvement as suggested by the business community.
- The inputs collected from various stakeholders will be taken into cognizance by the management and through various interactive methods with the staff helps them in identification of critical areas for development and review the progress for continuous improvement.

Reinforcing the culture of excellence

TEC always benchmarks itself against the best industry practices. And indeed tries to implement the best practices. It channelizes the procedures and practices in tune with such practices to create an ambience that is most conducive for academic excellence. The staff members are encouraged to pursue research activities and to participate and organize seminars/workshops/conferences to keep the faculty update of the recent trends in teaching, learning & evaluation, and their specialized area of interest, the faculty are given with special permission on duty to attend refresher and orientation programmes. They are encouraged and motivated to be a member of various academic bodies. Awards and incentives encourage the spirit of excellence in the endeavors of the faculty. Such practices create an ambience thereby reinforcing a culture of excellence. That is most conducive for academic excellence.

Champion organizational change

TEC follows a structured approach for ensuring the Changes in the existing rules and regulations which are brought after a thorough discussion in Governing Body based on the needs of the present generation. Those changes are smoothly and successfully implemented. In order to accomplish this, TEC aligns stakeholder's expectations, communicates, and integrates with employees efforts for the growth of the institution. It makes use of performance metrics in terms of pass percentage, placement percentage, presentation in conferences, journal publication, accepted proposals, consultancy work etc to design appropriate strategies. These are communicated to the employees so that they execute and accomplish the requirements as per the expectations.

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

A Tailor-made Implement-Monitor-Evaluate-Review approach is adopted by TEC to monitor and evaluate policies, plans and principles for effective implementation and improvement from time to time. The policy decisions taken by the appropriate authorities are closely executed and monitored by the respective committees for the implementation

of decisions, noticing the challenges during practical implementation and suggesting the suitable alternative actions.

These are our committees which have been drafted carefully to maintain and evaluate our policies and plans of the institution:

➤ **College level committees which directly report to the Governing Body.**

They are:

1. College Academic Committee
2. College Development Committee
3. Student Welfare and Grievance Committee
4. Faculty Development and Recruitment Committee
5. Training and Placement Committee
6. Discipline and Anti-Ragging Committee
7. Examination Committee
8. Staff Selection Committee
9. Student Welfare and Counseling Committee
10. College Library Committee

➤ **Departmental Committees which report to the Principal. They are:**

1. Departmental Academic Committee (DAC)
2. Student Mentoring and Discipline Committee (SMDC)
3. Library and Instructional Resource Committee (LIRC)
4. Industry Institution Interaction Committee (IIIC)
5. Professional Activities Committee (PAC)
6. Internal Quality Assessment Committee (IQAC)
7. Projects Review Committee (PRC)
8. Training and Placement Committee (TPC)
9. Career Guidance Committee (CGC)
10. Entrepreneurship Development Committee (EDC)
11. Alumni Committee (AC)

Miscellaneous Committee that report either to the Governing Body or Principal or to both.

They are:

1. Women's Grievance Cell
2. Student Clubs
3. Anti-Ragging Committee
4. Scholarships Committee
5. NSS Cell
6. ISO Committee
7. NAAC Committee
8. NBA Committee
9. Budget Committee
10. Funded project cell

11. Sports Committee
12. Transport Committee
13. Hostel Committee
14. Timetable Committee
15. Academic Planning committee
16. Department Development Committee
17. Public Relations Press and Media Purchase and Stores
18. Newsletter and Website Maintenance Committee
19. Placement and Industry Institution Interaction Committee
20. Soft Skills, Training and Career Guidance Committee
21. Placement Cell
22. College R&D Committee
23. Professional Societies Committee
24. College Maintenance Committee
25. Renewable energy, power and electrical maintenance, Generator maintenance Committee
26. Attendance Committee
27. Student counseling committee
28. Discipline Monitoring Committee
29. Grievance Redressal Committee
30. Social Welfare Committee

Every committee has its own objectives. Functioning of these committees are monitored and reviewed by conducting HODs meeting which is held at regular intervals discusses not only regular issues but also how the various plans and policies are being implemented through different committees.

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

The Management and Principal ensure harmonious climate of human relationship between students, faculty members, and departmental heads leadership to enhance higher efficiency. The Management provides enough freedom and number of incentives (like best teacher award, journal publication awards etc.), to the faculty in technological development for effective methods in teaching–learning process, academic advancement, nurturing multifaceted talent in students. The management and principal have been, through its “Staff Development Scheme” encouraging and providing support to the faculty to improve their qualifications, to do research and publish their research papers and to attend refresher courses, seminars and workshops.

The faculty members are made to actively get involved themselves in decision making process at all levels. Various Committee meetings are conducted in which the faculty members provide suggestions on different issues like subject allotments, laboratory and library requirements, student projects, The staff can recommend the best students and represents them to the management and based on that the meritorious students get some financial assistance from the management.etc

6.1.6 How does the college groom leadership at various levels?

Principal is the academic as well as the administrative head of the institution. Hence, forms several committees with staff members. As the Head of such Committees, he grooms leadership at faculty level. He acts independently by blending the rules and regulations as well as the norms lay down by the AICTE and JNTU-K with principles, policies and strategies of the college.

The college delegates in decentralization of administration and transparency of governance. Independence is given to all HoD's in planning, organizing and implementing various activities in the departments in a effective way.

- Monitoring Students' academic and curricular activities
- Responsible for overall functioning of department
- Groom staff members to lead different departmental committee.

The HODs in turn will delegate the authority and support the faculty in taking up various departmental academic activities. Like as counselors and faculty advisors, planning and execution of several department activities, preparation of budget and purchase effectively. As coordinators for preparation of ISO, NBA and NAAC related documents. Organizing different events like College day, Orientation day, Independence Day, Sports day, Theatre day and other similar functions.

By providing opportunities for the students to take active participation in various programmes such as seminars, national and international level conferences, all Curricular and extra-curricular activities to groom their leadership qualities.

The college ensures that leadership is groomed at various levels which create an ambience of trust and enhance competence and foster a sense of belongingness to the institution among the faculty and students.

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

The TEC believes in promoting a culture of decentralized governance system.

- dequate and systematized autonomy to all the departments and sections is provided.
- Empowering heads of the departments to distribute work load to faculty, to identify the add-on courses to deliver, to identify the content beyond syllabus and to organize various faculty and student development programmes with the help of various committees.
- Allocation of budget is based on the proposals received from the department and once it is approved for a financial year and various operations can be performed by the Head of the department, as envisaged in the approved budget.
- Empowering the faculty member in-charge of a lab to devise and implement the necessary plans for conducting the practical sessions effectively.
- Conducting remedial classes to slow learners for improving their academic Performance
- Conducting peer teaching classes and tutorial sessions for learner centered

teaching.

- Organization of several activities like Cultural Heritage Initiative, helping hand funds for Poor Students‘ etc. by students to enhance the capabilities of students under the faculty advisory, hone their event management skills.

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

Yes, the college does promote a culture of participative management. Participative management involves Management, Principal, HOD, Faculty and Students. At each level active part is taken in planning and implementation in accordance with policies. At regular intervals the HOD’s meeting with Principal will be held and the views of all HOD’s will be taken into consideration and cognizance before a decision is taken. Similarly department faculty meetings are being held at regular intervals where internal issues within the department are discussed and the deliberations of HOD’s meeting are discussed. Faculty is involved in planning and implementation of the academic and teaching-learning processes. The concerns of faculty if any, will be again brought to the notice of the Principal in the next HOD’s meeting.

- **Non-Teaching staff** are included in different working committees with the faculty and students for organizing functions and events on the campus.
- **Parents’** interaction which takes place periodically plays an essential role in the comprehensive development of the institution. They are invited to share the dais on important formal occasions to express their views.
- **Student Representatives** communicate the decision taken by the management, principal, and the opinion of the HODs to the entire student body. The student representatives on various committees suggest solutions to student problems in campus, and work on issues related to the campus.

The suggestions and concerns of staff are obtained and appreciated and by the heads of the department and in turn the suggestions of heads of the departments are received well by the top management. Leadership in TEC always recognizes the significance of listening and interpreting the views of all the employees and practices this culture meticulously.

6.2 Strategy Development and Deployment.

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

The quality policy of the institute states “TEC will regularly strive to improve the Quality of education and training imparted to its students by establishing state-of- the-art laboratories and modernizing them continually, upgrading the skill and knowledge of its staff periodically and developing strong linkages with industry”.Based on the vision and mission of the Institution, the governing council has framed the quality policy driven by the needs of the industries, society and stakeholders to bridge the gap in curriculum.

In the present scenario of globalization of technical education the institute has to bestow the end-user with the best possible service. It is much more valid in case of an educational institute which strives to impart quality education. The institute strongly believes that to reach the position as stated in Vision and Mission statements, the faculty is the prime factor amongst the other resources. Because the teaching fraternity has to set high goals and objectives to work as a team. Quality is not an end goal but the means and processes to achieve it are critical which are to be continuously nourished.

All the activities are driven by the quality policy and are closely monitored. The different performance indicators like pass percentage, input ranks, placements, achievements in co-curricular activities of students and the achievements of the faculty will be critically analyzed each semester / year and reviewed.

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

Yes, the institute possessing a perspective plan for development. The College strives hard in achieving high-standards of teaching, training and development of human resources by encouraging its faculty and staff to work as a team and to update their knowledge and skills periodically to match the needs of industry.

Provision of adequate annual budget is the part of the development plan. The aspects to be included in the perspective plan will be drawn from College level and Departmental level presented to the Governing Body which in turn ratifies expenditure and approves new budget proposals.

The following are the perspective developmental plans of the Institute.

- To make the Institute as a 'Center of Excellence'
- To make every department self-sustained by furnishing modern equipment and highly qualified faculty.
- To train the students to prepare them ready to face the competition at national and international levels.
- To enhance the number of Post-Graduate Courses encompassing in all courses of multi-disciplinary areas.
- To obtain NBA accreditation for all the programs being offered
- To secure accreditation by NAAC with good rating.
- More number of MoUs with Industries and Improving the Industry Institute relationship.

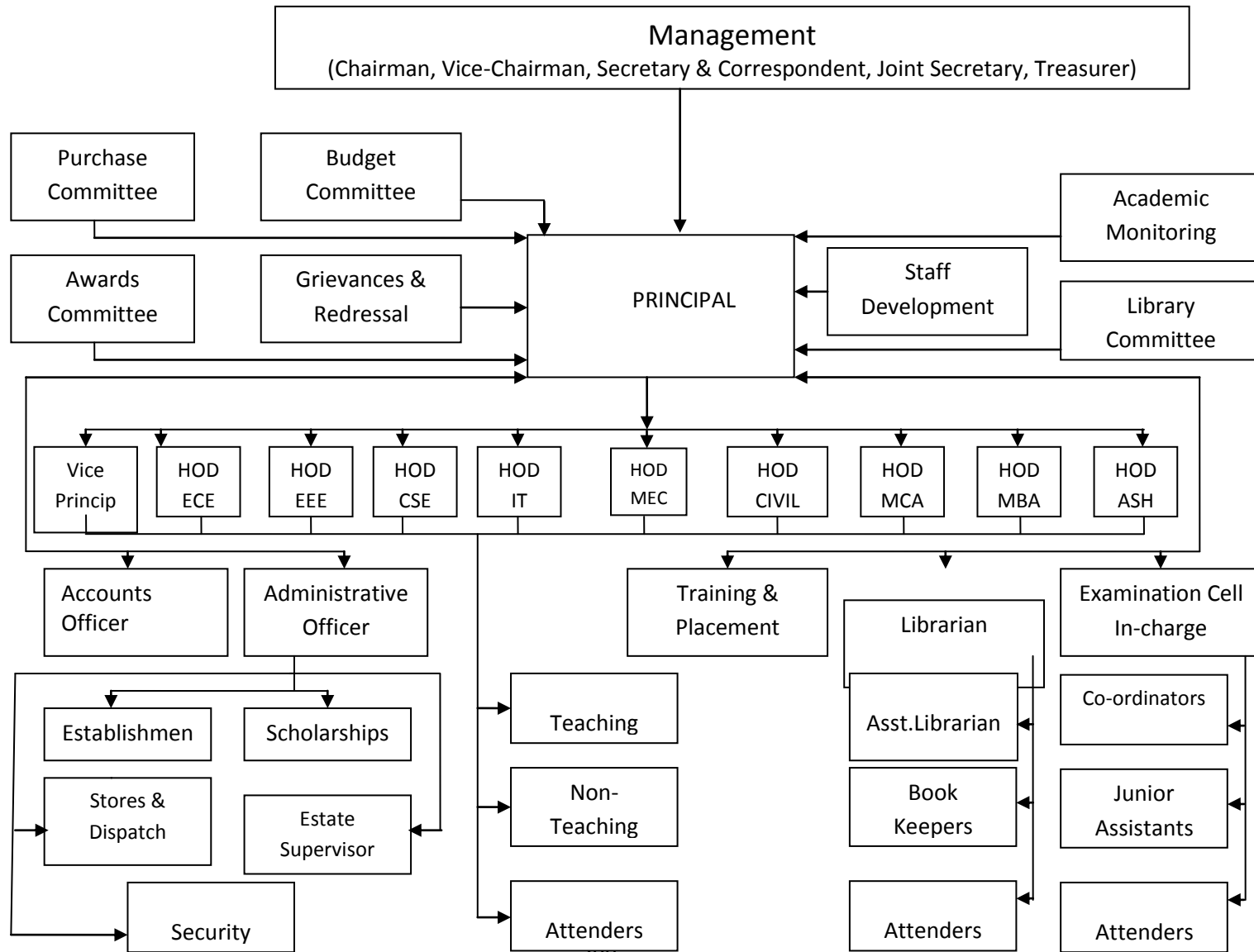
6.2.3 Describe the internal organizational structure and decision making process.

➤ The Principal is the head of the institution looks into both academic and administrative matters and acts as a bridge between the Management, Staff and Students. Administrative Officer works with the Principal in executing general administrative works.

➤ HOD is responsible for the functioning of the Department as per the laid down policies of the college and will be reporting to the Principal. HOD will prepare budget estimation for the Department for its operation, maintenance and development.

HOD will constitute various committees at the department level for smooth implementation of various activities.

- Coordinators of all committees at the college level will report to the Principal.
- Training and placement cell who looks into all activities related to campus Recruitment and training of students will be reporting to the Principal.



6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following.**Teaching and Learning**

TEC believes that teaching and non-teaching staff directly contribute the qualitative growth of an academic institution. The management recruits staff with utmost care and responsibility as the first step towards setting quality benchmark. The quality policy is further strengthened with the student admission procedure that is strictly based on the rules and regulations laid down by UGC, AICTE, APSCHE and JNTUK, Kakinada. The college is dedicated to make teaching and learning process suitable for students to improve their thinking, analytical and creative skills.

- Provision of e- learning resources in Central Library, Provision of e-classrooms and seminar halls in each department.
- Development of student support material, structured course files and lab manuals on all courses. and Organizing the Remedial classes.
- Student feed-back on teachers and going through the necessary follow-up action. and Conducting Faculty Development Programmes before commencement of each academic year.
- Continuously strengthening and updating of the laboratory equipment and the library resources.
- Conduct of pre-placement training classes to equip the students to meet the industrial needs.

Research and Development

The Management supports the professional development of the faculty and encourages them to undertake research work by motivating them to attend seminars, workshops, refresher courses and national & international conferences by giving them necessary financial support and special leave. The faculty of the college has published many research papers in reputable journals.

Community Engagement

Students' engagement with the real society gives a qualitative touch to their personalities. Volunteers of NSS units of the college are actively involved in service to the community programmes like Health Camps, Blood Donations camps, Cleanliness Drives, Green Initiatives and environmental friendly activities in the neighboring villages.

The Entrepreneurship Development Cell (EDC) focuses on motivating and molding the graduates to establish own firms and organizations to become entrepreneurs. The students of the college thus get an opportunity to serve the society through start ups.

Human Resource Management

Management recruits adequate number of qualified teaching and supporting staff as per AICTE norms through codified procedures of open advertisement. The

information is also made available on college website apart from encouraging academics to apply directly. After short-listing the eligible candidates based on the position-wise criteria, they are invited to the campus for a Demo and interview by Selection Committee. AICTE/Govt. of Andhra Pradesh/JNTUK, Kakinada norms are adhered to in appointment of faculty and supporting staff. The posts of the selected staff, after successful completion of their probation, are sent for University Ratification.

TEC has been succeeding to retain its faculty by the following ways and means:

- Transparent HR policies and scientific way of selections
- Imparting related training and Support for academic advancement
- Formulation and communication of policies of the college and Democratic way of administration with participative management
- Systematic performance appraisal system and guidance to the people concerned and Systematic promotion policies.

Industry Interaction

The ultimate aim of the education is to equip the students to meet the industrial needs. In the present scenario, the industry expects ready to fit in students for their requirement. In this process, college accomplishes the following activities

- Guest Lecture is a way of enriching our students with the latest updates of the Industries and Technicalities.
- Placement training which includes Quantitative Aptitude and Verbal Proficiency developments, Soft Skills, Group Discussions, Mock Interviews and Personality development sessions is done as a part of finishing school to every student.
- TEC recruits faculty from industry also, who provide a platform for practical exposure to the students and faculty as well.
- Industrial visits and Industrial internships for project work.
- Having MOUs with different industries for Industry- Institute- interaction for campus recruitment, consultancy and student training.
- Rapports with industry for industrial training and to ensure the students do live projects in the industry.
- Guest lectures by professionals from industry and academics.
- Entrepreneurship Development Cell.

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

The Head of the institution interacts with management very frequently. The head of institution appraises the management as he receives the feedback from parents, alumni, industry, teachers, students and the public with regard to the teaching quality, curriculum, extracurricular activities and infrastructural demands.

In Board of Governors meetings the information gathered from different sources are discussed with the participating members. After thorough discussion and deliberations the existing facilities and activities of the institution are reviewed and decisions are taken for their implementation after going through the available resources and modalities. The decisions taken and activities of the institute will be communicated to stakeholders within college through circulars and for external stakeholders through college website and news letter published.

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

The Management is always encouraging and supporting the involvement of staff in improving the Institutional process. Institutional development is regarded as the reflection of individual development of staff and students. Faculties who are conferred with Doctoral degrees assist and encourage other faculty in their respective departments to complete their thesis within stipulated period. Senior faculty is asked to initiate R&D work and projects in their departments with the help of their junior colleagues.

Management encourages dynamism and expects proactive nature of members. A quality suggestion of any member is given due consideration in decision making. A systematic and participative management is the feature of the institution that leads to the determination of right direction. Thus promoting belongingness in faculty and staff adopts the way for effectiveness and efficiency in the systems.

6.2.7 Enumerate the resolutions made by the management council in the last year and the status of implementation of such resolutions.

The following resolutions were adopted in the Governing Body meeting on 20-01-2015.

AGENDA SERIAL WISE	RESOLUTIONS TAKEN	STATUS
2	Resolved to go for NAAC and NBA accreditation	It is in process
3	Resolved to recruit PhD's for every department to strengthen the faculty of the department.	Taken measures to recruit Ph.D holders for every department.
4	Resolved to go for university ratification	Appointments were ratified.
5	Resolved to give importance for sports and decided to have basket ball court.	Now basket ball court is available in the college.

The following resolutions were adopted in the Governing Body meeting on 11/07/2015.

AGENDA SERIAL WISE	RESOLUTIONS TAKEN	STATUS
1	It is advised by the committee to recruit doctorates from other states like West Bengal, Maharastra and Tamil Nadu	One doctorate has been recruited for CSE Department from Tamil Nadu.
3	It was informed to the committee that city office had been opened at 11 th line Aurandalpet, Guntur	Now city office is in active
4	Resolved to apply for 2f&12B status of UGC, Act 1956 and permitted the principal to apply for the defined status immediately.	The college has applied for 2f&12B status of UGC.

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

Yes; the affiliating university makes provision for according the status of autonomy to an affiliated Institution. Our Institution has planned to apply for the autonomous status after duly fulfilling the pre proceedings for the process.

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

Appropriate committees will be formed to look into the grievances if needed, and they will be addressed. The mentoring system also helps in taking prompt action on any complaint received from the students. The complaint box placed in each department also helps in identifying the problems in anonymity also.

Anti-Ragging committee was formed through which students can contact the committee members for ragging related issues to resolve them.

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

The case relates to allowing the detained student to appear for the second semester final examinations of the III year B.tech that was scheduled in may 2015.As a third

respondent in this case, The college had implemented the court orders by allowing the student to write the III B.Tech examinations in may 2015.

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

Yes; the Institution has a mechanism for analyzing the student feedback on Institutional performances.

- The feedback obtained from the present students is on academic related matters only like performance of the faculty and syllabus coverage. The College obtains student feedback twice in a semester one in the middle of the semester and the second one shall be taken at the end of Semester.
- By conducting the class representative committee meeting the difficulties faced by the Students are collected.
- By means of alumni meeting, the feedback regarding the Institution from passed out students is collected.
- As a result of those feedbacks, the Principal is able to interact with faculty and HODs to improve the Institutional performance.
- The Principal will convey the problems discussed in the meeting to management. The Management finally take proper decision to improve the overall competency of the students.

6.3 Faculty Empowerment Strategies

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

The TEC supports the teaching and non-teaching staff to enhance professional development by:

- Motivating faculty by awarding incentives such as “Best Teacher Award”, and encouragement for paper publications.
- Sponsoring Faculty & staff for attending workshops, conferences at national and international level by granting academic leave and paying registration fee.
- Providing incentives to the faculty for research and publications.
- Providing latest study materials including e-Journals to the faculty members through the Digital library.
- Encouraging faculty to deliver guest lecturers outside
- Encouraging departments to organize skill development programmes for both teaching and non-teaching staff.
- Conducting FDP (Faculty Development Programmes) to train the teachers in different fields of engineering.

- Encouraging faculty to apply for various funding agencies for research oriented projects.

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

- Training faculty on emerging technologies and also on real time problems in industry by eminent external faculty from industry and institution by organizing guest lectures and seminars.
- Formulation of various committees with faculty as coordinator / member with proper allocation of work, assigning responsibility and grant of adequate authority and autonomy.
- Constitution of best teacher award in teaching / research and thus appreciation of the expertise in merit and talent every year.
- Faculty are entitled to be sponsored for training programmes, paper presentations, attending seminars,
- Besides better working environment conducive to teaching learning processes, other benefits like medi-claim policy, PF and incentives are provided for better performances.
- Faculty is always motivated to upgrade their qualification.
- Subsidized canteen and free transport facilities are provided for all the staff members.
- Training new Faculty on teaching methodologies & training sessions by the Senior faculty of the organization.
- Formulation of various committees with faculty in various cadres as members with proper allocation of work, assigning responsibility and grant of adequate authority and autonomy.

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

The Performance of the faculty is analyzed with the details provided by them in the self-appraisal form every year. The performance of the faculty is assessed based on different parameters such as:

- Feedback from the students in the subjects they taught.
- Examination results on the lines of pass percentage, relative position with respect to other affiliated college of the university, scores of students etc..
- Teacher's attitude, commitment and achievement with regard to his/her academic/administrative duties.
- Involvement in co-curricular and extracurricular activities.

- Research and consultancy works done by the faculty in the form of publication of Papers/books published, edited, reviewed, execution of assignments/projects etc.
- The above all parameters are evaluated very carefully. The performance of each faculty is reviewed by the principal, accordance to that the areas of improvement are suggested.

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

The management always plays an active role in the performance appraisal of the staff. The management keeps a keen vigil on the working behavior of the members of the teaching as well as the non teaching faculty.

The outcomes of the performance appraisal will reflect in the annual increment, incentives and the promotion of the faculty. They are communicated through annual increment order and promotion orders.

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

A healthy and good retention ratio is maintained in the faculty cadre by creating a good environment and providing incentives as detailed below:

- Free Transport for all employees.
- Incentives , Promotion and increments are given
- Maternity leave and post maternity are provided for once.
- Earned Leave, Employee provident fund, Medical Leave is provided.
- Sponsorship to Workshops/Seminars/Refresher 100% Registration Fees, On Duty.
- Medical Leave and Special Casual Leave on medical grounds is provided.
- Special academic leave for research and PhD work.
- Contributory EPF facility for the regular staff.

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

Providing an academic environment conducive for teaching, pursuing research, participation in curricular, co-curricular, extra-curricular, training and placement activities aimed to enhance the quality of education, competency of the students and the reputation of the Institution.

Systematically conducted appraisal and giving due recognition and awards for good performance, making available a number of staff welfare schemes, maintaining a good administrative system and offering attractive salary to attract and retain the eminent faculty.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the Institutional mechanism to monitor effective and efficient use of available financial Resources?

The financial resources of the college are managed in a very effective and foolproof manner. There is a fully-computerized accounts department in the college. The following three types of accounts are created:

- Receipts & Payment Accounts.
- Income & Expenditure Accounts.
- Balance Sheets.

College obtains proposals from concerned departments in a academic year .After assessing the projected income for an academic year by the Budget committee, college allocates budget to each department and institution with minute details. After the allocation, the departments can avail the financial resources within the sanctioned limit.

Purchases will be made with the recommendations of duly constituted purchase committee. The amounts withdrawn from the banks will follow a systematic mechanism of obtaining the approval at various levels. If any of the expenditure is made beyond budget sanction, ratification will be done in a special meeting.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections?

Both internal and external audits are being conducted by a Qualified Chartered Accountant.internal audits are conducted in every six months and External audits are conducted At the end of every financial year, No major audit objections are received so far, as transparent and systematic method of accounting is maintained in the institution. The last audit was completed during June 2015.

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

Tuition fee from the students is the main sources of income for our institution. We are having Budget Allocation system for every academic year covering all the departments. Our budgeted expenses will be compared with projected revenue and necessary modifications will be done then and there required. The audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund / corpus available with Institution.

S. No	Description	2014-15	2013-14	2012-13	2011-12
1	Income (Rs)	94718133	83006718	87835402	67273012.66
2	Academic expenses(Rs)	116267	-	257528	1131970
3	Administrative expenses(Rs)	91863610	81744313	85100869	62620575.76
	Total	91979878	81744313	85358397	63752545.76

Details of Funds available for 2015-16.

S No	Description	Amount in Rs
1	TDR / FDR	26504719

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

We are planning all our expenditures within the internal source of income only. The TEC encourages faculty to apply for various schemes available under different government organizations such as AICTE, UGC, CSIR etc. for additional funding.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If yes, what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance policies?**
- b. How many decisions of the IQAC have been approved by the management authorities for implementation and how many of them were actually implemented?**
- c. Does the IQAC have external members on its committee? If yes, mention any significant contribution made by them.**
- d. How do students and alumni contribute to the effective functioning of the IQAC?**
- e. How does the IQAC communicate and engage staff from different constituents of the institution**

The institution has established an Internal Quality Assurance Cell (IQAC) on 16-03-2015.

The policies of the institutional quality assurance cell are

- To equip the students of the college with the knowledge in the latest trends in their respective fields and to prepare them to meet the requirements of the job market.
- To focus on augmenting the placement of the final year students in reputed companies through effective campus placement drives.

- To organize more number of guest lectures by eminent resource persons/subject Experts in all the departments to enhance the academic input.
- To continue the schemes of Remedial Coaching classes for the slow learners and Bridge courses for students from other school backgrounds.
- To conduct Faculty Development Programmes (FDPs) periodically to update their Knowledge.
- To record all the major and minor achievements of all the Departments and publish them in newsletters in clusters.
- To continue the activities of the Center for Research and to document all research related proceedings of the faculty through effective centralized recording system.
- To improve the communicative skills of the students.
- To upgrade the industry-institution relationship by developing linkages with professional/research bodies
- To perform a social audit and to enhance the status of the institution in the society
- To inculcate the spirit of commitment and service motto among student volunteers through NSS Activities
- To give adequate counseling and guidance to students in their personal/Academic/professional fronts through the Counseling and Guidance cell.
- To conduct a State-Level seminar through IQAC of our institution to promote NAAC –related activities in the college.
- To encourage more number of students to involve in sports by providing them with required training, coaching and guidance.

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

Our college management strongly believes in quality education as mentioned in the mission and vision statements and thus approves and supports the activities of IQAC and approved the decisions taken by the body as mentioned in the Academic Calendar.

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

1. Dr.Harish.Godavi, Scientist-E, Head ARTG, NARL, Gadanki, Tirupathi.
2. Mrs.Rajya Lakshmi.Vadapalli, Group Technical Manager, IBM, Hyderabad.
3. Mr.Varri Eswar Prabhakar, Senior Manager, Cognizant Technologies, Hyderabad.

The External members in IQAC committee help the body in planning and implementation of the events in an effective manner from time to time.

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

TEC IQAC committee consists of students and alumni as members. The alumni members Mr. Ayyapan and Mis. R.Surekha are regularly interacted with the college and

the college elicits their suggestions from time to time. Those suggestions are being considered for the improvement of quality in various activities of the college.

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

The representatives who are nominated as members of the general body of IQAC, They attend and effectively participate in the general body meetings of IQAC. The IQAC encourages the members to share their views on conduct of various curricular, co-curricular and extra-curricular events and their views subsequently discussed and finalized in IQAC meetings. The Director of IQAC also maintaining his regular touch with the staff members through circulars and periodic meetings to ensure their effective presence in all the activities of the body.

6.5.2 Does the institution has integrated framework for Quality assurance of the academic and administrative activities? If yes, give details on its operationalization.

Yes. All the Academic bodies and administrative sections of the institution interact with IQAC and scrupulously follow its guidelines in maintaining quality standards. This integrated framework for quality assurance of the academic and administrative activities in the form of Academic monitoring committee,, grievance & redressal committee etc

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

The institution organizes training programme to its staff members for creating an awareness and effective implementation of the Quality Assurance procedures. This helps the faculty to work for excellence and ensure all the stakeholders are benefited.

The general body meetings ensures the policies made on quality assurance reach to all the faculty members. Apart from this, the institute encourages and sponsors faculty in participating in various orientation and refresher programmes, workshops, conferences, seminars etc., organized by reputed institutions like JNTU-K, NITs and IIT's .

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

The academic audit is regular feature in continuous monitoring of the students. Academic performance of the college is monitored by the affiliating university regularly, through students attendance, internal exam marks, semester exam marks.

Externally TEC has been assessed and confirmed the requirements of ISO 9001:2008 with regular intervals to certify its quality management system. Lastly on 01-12-2015 TEC got confirmed to certify under ISO 9001-2008 on our quality management system, this is valid up to 30-11-2018.for this our TEC has the chance to confirm our QMS strategies through ISO surveillance audit for next two years.

Fact finding committees and ISO experts who visited our college to assess our academic issues ,at that time what suggestions have been provided by them, those have been implemented with immediate effect for strengthening our academic quality.

The institution has organized its academic audit internally on the basis of self assessment reports submitted by the respective departments and by using standard parameters like students attendance, mid exam marks sem exam marks, semester wise students performance and compare its to other colleges.

The outcome of the audit is to identify the defenses and take corrective steps for improving the institutional academic activities.

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

Internal Quality Assurance System is aligned with requirements of external quality assurance agencies in terms of quality of teaching learning process. Teaching Quality is monitored by the HOD's concerned. Based on above the corrective and preventive actions are implemented. ISO audit is conducted at every year to monitor academic and administrative performance. Feedback from the stakeholders is collected and on that basis the Institution ensures effective quality assurance.

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

The following mechanisms are being in place to review Teaching -Learning Process

- Class review committees (CRC) which meets twice in semester to assess the extent of syllabus coverage, and also the quality of teaching.
- The lesson plans, quality of course material, assignments and question papers prepared by the faculty are assessed internally and suitable suggestions are given for enriching the teaching and learning processes.
- The feedback from students on faculty performance will be taken twice in a semester to evaluate the teacher performance in class room level teaching. The feedback is analyzed and evaluated and every teacher is provided with a copy of feedback for making necessary corrective action. Further, teachers are counseled by the head of the department and also by the Principal if required.
- Annual reviews are conducted on detailed self-appraisal forms to evaluate the performance on teaching, research and other performance related issues.
- The head of the institution interacts with few students of each class and takes the feedback on the teachers on the effectiveness of their teaching.

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

Institution communicates its quality assurance policies, mechanisms and outcomes to internal stakeholders (Students, Staff) through meetings, circulars and notice boards and to external stakeholders (Parents, Alumni, Industries) through mail, college websites, brochures, calendar, magazines etc., and also by means of conducting meetings with parents, alumni and industries.

CRITERION-VII
INNOVATIONS & BEST PRACTICES

7.1.Environment Consciousness**7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?**

Tirumala Engineering College campus has received a greener way of life following the time since its origin. College has great concern for the sustainability of energy and water resource. Our vital arrangements for improvement have ever been driven by affection for nature and its sustenance. The Institute is spreaded with green cover of carpet grass, ornamental plants, attractive green ficus plants and colorful crotons with water supply facility to each and every green unit. The campus is maintained hygienic, neat and tidy. We develop it in a naturally capable way and entirely stick to the conservation of resources. A system of green audit is followed in the institute.

A look at the college demonstrates the significance given to make our college an eco-accommodating one:

- Constructed a water reaping setup.
- The gardens are kept up with water sprinklers and drip facility
- The college has been covered with green trees.
- NSS Volunteers take care of the gardens.
- Separate team for gardening.

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

Tirumala Engineering College has taken many initiatives to make the campus eco-friendly, which include:

Reduction of Electromagnetic pollution:

The college is committed in reducing the electromagnetic pollution by restricting the usage of mobile phones by students on the college campus, as electromagnetic pollution is the dangerous pollution and it may cause cancers, mutations, effect nervous system.

Energy Preservation:

Electricity is required for routine exercises. Wastage of the electrical energy is entirely monitored by utilizing it in best mode in class with power controlling hardware. Other than this supporting staff supervises the power usage and physically controls the wastage. It observed an eco-accomidating generator has been set up in the college to minimize barometerical contamination.

Water Reaping:

Water is a very valuable and essential source in everyday life. The college has three bore wells to take into account for the general needs of the organization. The college has Rain water harvesting system to increase ground water table.

Greenery:

Making our campus a green accumulated force since the establishment of college. our entire campus looks tranquil and quiet. Our college is located in the midst of rich green paddy fields of Jonnalagadda village in 15.31 acers of land. What's more, inside the college, given is green spread with trees planted on either side of walk ways. Gardens are maintained by the NSS volunteers & green club members of the college. This system has been in the college right from the establishment of the college. Saplings of Ashoka, Neem, and so forth were planted in the college and hostel. The college has assumed up the liability of developing the advantage of the green spread to the prompt regions of the grounds.

Endeavors for carbon lack of bias:

The college administration has taken certain measures to keep the outflow of carbon dioxide in the grounds. Bikes are not allowed for students inside the college campus. The engine vehicles are avoided as much as possible from the classrooms and laboratories in the stopping sheds. The dead leaves of the plants and the waste paper are arranged off in the pots delved in the earth and not by blazing in this way lessening air contamination. They are likewise utilized as compost for the plants.

Utilization of Renewable energy:

The conventional energy sources are quick exhausting in quality and pushing us step by step into a vitality emergency. Investigating renewable vitality sources like solar power is the main option to moderate environment amicable innovation that can oblige our regularly increasing vitality needs. TEC took the task of building up a 2KVA sunlight based plant spread more than 200Sq fts close to the college entry way utilizing non-grid technology. Its buy expence is 2.4Lakhs. This plant is operated and maintained by the division of Electrical and Electronics Engineering. Solar heaters are also used in the college hostel.

E-Waste Administration:

Casual handling of electronic waste causes contamination. We accordingly take awesome consideration to avert risky presentation of grounds, group or the general population to these squanders. As most electronic gadgets contain an assortment of materials, including metals that can be recuperated for future uses, we make game plans here to disassemble and reuse them. Out-dated and low-end e-segments are utilized for exhibit.

7.2 INNOVATIONS

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

- Accentuation is given on Research exercises and publication of papers by the students and the faculty.
- College formed various clubs like sports & games club, health club, language club, cultural club, technical club for all overall development of the students.
- Inorder to cultivate patriotism towards the country, our college plays National song Vandemataram in the morning ,and National anthem Janaganamana in the evening.

- College introduced Art of living classes to the students and the faculty to maintain peace, harmony and stress management and formed MOU with Art of living.
- College has been maintaining CC cameras to maintain proper discipline & attitude.
- Birth day wishes to students are published on notice board.
- Motivational quotations are displayed in the classrooms, on the floors & the college ground.
- The college gives Best student awards based on their academic and extracurricular performance.
- The college has adopted measures to save electricity.
- Mobile phones and bikes are not allowed for students inside the college campus.
- Every day new english words with their meanings are written on the board by students, to enrich the vocabulary of the students.
- The college gives rewards for students with 100% attendance & marks.
- Free transport facility for faculty.
- The college provides paid leaves for faculty for thesis preparation.
- College has been utilising solar energy to conserve energy resources.
- Regular evaluation, monitoring and review of faculty performance are done based on feedback system and pass percentage in subjects handled by them.
- Corrective measures are initiated based on the feedback.
- Regular feedback is also collected from faculty, parents and alumni for the effective functioning of the institution.
- Self – appraisals are also submitted by faculty to the management and appropriate action is initiated based on the reports.
- In the tutorial classes, students are given an opportunity to interact with faculty to get their doubts clarified.
- Beyond the curriculum the topics are covered to enrich the knowledge of students.
- Training in soft skills and aptitude is provided to students for making them placement fit.
- Every teaching faculty member acts as counselor and mentor for 15 students allotted to them.
- To enhance the critical thinking aptitude of the feeble and slow learners tutorial classes are conducted.
- The college has made a strong e-learning feasibility for the students of all branches through the digital library. Individual lectures by famous teachers from different IITs, NPTEL video addresses and learning materials given by JNTU –Kakinada through the e-learning activity called CoEeRD(Center of Excellence for e-Resource Development and Deployment) are kept accessible in the digital library. Students of all divisions can get access to this e-learning material through web.

- A few innovative approaches, like role play, quiz, brain storming, real time demonstration, group discussions are made part of classrooms to make the complicated concepts easy.
- An academic review committee surveys all the academic exercises for further advancement of the college.
- From second year onwards placement oriented classes are conducted.
- On regular basis expert lectures are arranged, where experts from public and industry life interact with students.
- Twice in a semester class review committee is conducted to know the difficulties of the students and faculty members for effective teaching and learning process.
- Training and placement cell guides the students by providing effective career counseling.
- Best teacher awards are instituted and given every year to encourage and motivate the faculty.
- An extremely powerful and strict checking of attendance is followed to enhance the student attendance.
- Mini and major projects are given to the students to promote the research attitude among students.
- More elective courses are offered to the students as per the curriculum.
- Absentee's information is communicated to parents.
- Parent teacher association activities and meetings are maintained periodically.
- Student's performance, result pass percentage will be intimated to the parents time to time.

7.3 BEST PRACTICES

7.3.1 Elaborate on any two best practices, which have contributed to the achievement of the institutional objectives and/or contributed to the quality improvement of the core activities of the college.

BEST PRACTICE-I

Title of the practice:-1.a) To enhance research potential of faculty

- b) Honoring of Best Teacher
- c) Deputing the faculty for participation in faculty development programmes(FDP)
- d) TEC Talk show
- e) To cultivate patriotism towards country
- f) Incentives to the faculty who brings 100% result
- g) Encouragement to the faculty who gives the best employee referrals

1. GOAL:

All the above practices are gone for keeping the workforce side by side of the most recent advancements in their zones of exploration and to urge them to draw out the most ideal results. It is additionally planned to enhance their teaching abilities and investigate the potential outcomes of developments in the techniques for educating and research. The above practices are meant to draw in ability and teach focused soul among the employees which will add to the development of the institution. All these endeavors will upgrade the information of students likewise keep them overhauled with most recent advancements and developments. All the above practices are pointed by and large to keep the organization on a platform in the academic stadium. One of the above exercises such as TEC Talk show give a chance to the students to enhance their oral participating so as to talk aptitude and their factious abilities in different exercises such as elocution, debate and group discussions. They have a chance to cooperate with pioneers in their individual fields and contact everyday advancements in science and technologies. Every one of these components offer the students to put them a stage some assistance with forwarding when contrasted with others. To cultivate patriotism towards the nation, college has a system of playing national song and anthem.

2. THE CONTEXT:

The above practices are presented in the setting of globalisation. The significance of examination along with educating the students is the need of great importance. The faculty redesigns his/her insight levels through exploration and after that he will have the capacity to exchange such learning to the stakeholder i.e the student. In order to motivate the faculty, best teacher awards are presented for the transformation of information to the student, the faculty ought to be a good teacher and to become good teacher .He needs to sharpen his teaching abilities through some preparation. This helps him to recognize his insufficiencies as well as to utilize most recent techniques for educating to make the teaching learning process more student centric. Consistent personnel improvement projects will help them to sharpen their skills for the advantage of student and hence FDP projects are planned each year and carefully followed. Students should be given a chance to speak out his/her stand point. He/she should be given room to express what he/she feels, reflects about the things of the world as well as his/her selected course, with the conduction of TEC talk show. Resource persons from reputed institutes are invited periodically & lectures are organized. The participants are exposed to latest topics in science & technology. They are also introduced to communication and presentation skills. Playing the national song and anthem creates the sense of unity in diversity.

3. THE PRACTICE:

The staff are encouraged to participate in workshops, seminars, composed by reputed organizations and different other FDP programmes. The participants are upheld by the organization by paying enrollment charge and regarding the period as scholarly leave. Teacher with fabulous execution are supported by giving Best Teacher Awards. Consultancy, extension work, seminars organized are a portion of the imperative parameters for appraisal of the recompense. An amount of Rs 2000/-, a reference and a token will be exhibited to the recompense winners. Students are urged to take an interest in the talk show after the completion of their class work. A topic is declared and students are requested to talk on the subject for the 5 minutes. Everyday morning we play national song and evening national anthem.

4. EVIDENCE OF THE SUCCESS:

The number of Ph.D degree holders in the establishment has expanded significantly. The consequences of above said practices expand the quantity of papers published by the faculty members. There is a surprising change in the attitude. These solid practices brought about building up a feeling of certainty among the faculty members. Since all these exercises are enthusiastic and information focused both faculty and student got benefited. TEC Talkshow programme has brought about relational abilities of student and aided in adding to their fearlessness to take part in various national and global conferences, symposia, workshops and so forth... we develop the unity with these practices.

5. PROBLEMS ENCOUNTERED:

The administration energizes such great practices which make a academic ambience mixed with exploration. The individual staff members are thinking that it's hard to discover an ideal opportunity to do this kind of exercises because of their academic responsibility. Research centers-learning office and computer aided packages are the required resources. The number of members for TEC Talk show is substantial and it is getting hard to give a chance to everybody.

BEST PRACTICE-II

Title of the practice:-1. a) Enhancing student skills

- b) Providing library facilities to students for extended timings
- c) To help students who have financial problems
- d) Interaction of old students with present students
- e) Honoring the faculty and students on their birthday
- f) Awarding cash prize to the students who's academic performance is good

1 GOAL:

The objective is to improve the accompanying aptitudes among the students:

- Specialized capability
- Interpersonal skills
- Employment ability
- To give library facilities to students to extended timings
- To give monetary backing to students with financial problems
- To make mindfulness on present day abilities and technology
- To make mindfulness towards profession.
- To recognize and make them feel good.

2 THE CONTEXT:

The college has been working with the point of making it a center for excellence. Students from various levels and foundations need training to enhance their technical and in addition employability skills. Considering these necessities, college is giving superb facilities to the students to enhance their abilities and to accomplish their professional objectives. The college has been encouraging youthful grown-up learners with chances to sharpen their morals and administration potential. College library offices are given to students to broadened timings. Some of the students who are commendable however not equipped for paying the educational fee and different expenses because of their money related conditions. It is the enthusiasm of foundation to see those students additionally finish their course with no issue. Association with old students will help the students to investigate and use accessible facilities in the college. The connection will likewise help them to accumulate data on the necessities for job. College has been cultivating a practice of honoring the people of institute on their birthday.

3 THE PRACTICE:

To realize the student's aspirations our college has offered English communication classes for all the second year B.Tech students and Aptitude classes for second and third year students. Communicative English classes are dealt by the faculty of English. On line placement tests are conducted periodically to upgrade fitness, mental capacity and thinking of the students to enhance their employability. The placement cell conducts group discussion, mock interviews to train students well for placements. To meet the needs of Students College library timings are extended from 4:30-8:00 in the evening. Institution is paying tuition expenses, transportation charge to the students who have financial problems. Twice in a year alumni gatherings are organized and students are encouraged to interact with old students. without fail we are recognizing and showing the gratitude towards the faculty and students.

4 EVIDENCE OF THE SUCCESS:

More number of students are using library facilities. Hostlers are making the best utilization of library facilities. Numerous number of students got money related backing from college and finished their degree without confronting any problem. Tirumala Engineering College got exceptional accomplishment of putting 95% of students in both IT fields and core engineering sectors.

The college celebrated Achievement's day on 14-03-2015, Guntur Collector & District Magistrate Sri Kantial.Dande has given offer letters to the students who got selected in various companies. Students are exposed to the requirements in the market, present patterns and opportunities in various sectors. The faculty and students are very much inspired to act as oneness with in the institute and showing the impact on their productivity.

TIRUMALA ENGINEERING COLLEGE PLACEMENTS:2014-2015

S.NO	NAME OF THE COMPANY	NUMBER OF STUDENTS PLACED
1	NTT DATA Global Delivery Services	01
2	POWERICA LIMITED Services	04
3	Mphasis India	02
4	OpenText	01
5	Mindtree Ltd.	02
6	4W Technologies	14
7	TransDyne	33
8	Soft Solutions4u,	02
9	SUPERFECT SOLUTIONS PVT LTD	03
10	HAKUNA MATATA SOLUTIONS PVT LTD	0
11	Kochar Infotech	56
12	Axius Technologies	30
13	Accurate steel Forgings Limited.	12
14	Polaris	10
15	Fony technologies	12
16	Dharani infotech	07
17	Aagna Global solutions Pvt.	41
18	CMC Limited11/2,	56
19	ValueLabsLLP,	06

20	Eider Motors	10
21	HiveMinds Innovative Market Solutions	01
22	Redwan Technologies	47
23	Blue whale solutions	01
24	Precision engineering	10
25	Zebronics	03
26	Ikraft	05
27	Visiontek	02
28	Vee Technologies	20
29	Knoah solutions	03
30	FACE Academy	02
31	Aqua pure plus pvt ltd	03
32	Data Logic india pvt ltd	02
33	TATA CONSULTENCY SEVICES	03
34	Balaji Industries	11
35	Symphony Telecas	05
36	CAD Deploy	04
37	Inyxa Information Systems Pvt. Ltd(off campus).	02
38	L&T	01
39	Tech Mahindra	01
40	Capgemini	01
41	IVRCL	03
	Total	432

TIRUMALA ENGINEERING COLLEGE PLACEMENTS:2015-2016(till now)		
S.NO	NAME OF THE COMPANY	NUMBER OF STUDENTS PLACED
1	NTT DATA GLOBAL DELIVERY SERVICES LIMITED	3
2	GLENWOOD SYSTEMS	2
3	MIND TREE LTD.	2
4	CAPGEMINI	2
5	APPS ASSOCIATE	0
6	GREAT INDIA MINING PVT. LTD,	10
7	STSII	4
8	EOS	11
9	DHARANI INFO.TECH PVT. LTD.	6
10	JASMIN INFOTECH	waiting for results
11	TCS	3
12	EXCELL	1
13	RAM SAYA CORPORATE LTD	14
14	PUZZOLANA	10
15	IVTL	1
16	Accel Front Line Pvt.Ltd	6
17	Cloud Machine	10
18	PUZZOLANA	10
	Total	95

5. PROBLEMS ENCOUNTERED:

As larger parts of the students are from rural areas there is a requirement for upgrading the interpersonal abilities among them. The college trusts that by enhancing the employability among the students from rural backgrounds we can get exceptional change in the financial states of their individual families. Personality development programmes and motivational lectures are organized to develop confidence among the students. The organization does not confront any issue in that capacity to distinguish those students who have financial problems to receive financial benefits. It is a hectic task to contact and make all of the old students to visit the college on a particular day as every one of them are working in different places. Though the management feels the burden on honoring the students and faculty on financial side we would like to continue this practice forever.

**EVALUATIVE REPORT OF DEPARTMENT OF
APPLIED SCIENCES AND HUMANITIES**

1. **Name of the Department:** Applied Sciences and Humanities
2. **Departments & its year of establishment :** 2008
3. **Names of Programmes/Courses offered:** UG (B.Tech)
4. **Interdisciplinary courses and departments involved :**

S.No.	Programme	Inter disciplinary Courses offered by	Departments involved
1	I B.Tech.	Computer Programming	Computer Science
2		Electric Circuit Analysis	Electrical & Electronics
3		Network Analysis	Electronics & Communication
4		Engineering Drawing, Engineering Workshop Engineering Mechanics	Mechanical Engineering
5		I.T workshop	Computer Science

5. **Semester/choice based credit system :** Semester
6. **Participation of the department in the courses offered by other departments :**
 - a. Managerial Economics and financial Analysis (II, III B.Tech all Branches)
 - b. Management Sciences (II B.Tech all branches).
 - c. Environmental Studies (II B.Tech ECE, III B.Tech EEE),
 - d. Probability and Statistics (II CE, CSE)
 - e. Complex Variables and Statistical Methods (II EEE)
 - f. Intellectual Property Rights and Patents (II, III B.Tech)
 - g. Communication Skills and English Language skills (II & IV B.Tech)
7. **Courses in collaboration with other universities, industries, foreign institutions:** Nil
8. **Details of courses/programmes discontinued (if any) with reasons :** NA
9. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

S.NO	DESIGNATION	NUMBER
1	Professor	2
2	Associate Professor	4
3	Assistant Professor	32
4	Librarian	2

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

S. NO	Name	Qualification	Designation	Specialization	Experience in Years	No.of Ph.D. students guided in the last 4 years
1	Dr.N.Srinivasa Rao	M.Sc, Ph.D	Professor	Mathematics	20	2
2	Dr.T.Kiran Kumar	M.Sc Ph.D	Professor	Physics	15	--
3	Dr.N. Vijaya	Ph.D	Asst. Professor	Physics	4	
4	Dr.G.Srinivasa Rao	M.Sc, M.Phil Ph.D	Assoc. Professor	Mathematics	15	-
5	Dr.S.Kondaiah	M.Sc, Ph.D	Assoc. Professor	Chemistry	13	-
6	Mr.K.Srinivasa Rao	M.Sc, M.Phil (PhD)	Asst. Professor	Mathematics	10	
7	Mr.M.V.Vijaya Kumar	M.Sc, M.Phil	Asst. Professor	Mathematics	10	
8	Mr.M.Srinivasa Rao	M.Sc,	Asst. Professor	Mathematics	32	
9	Mr.I.Sita Rami Reddy	M.Sc,	Asst. Professor	Physics	8	
10	Mr.G.Siva Prasad	M.Sc,	Asst. Professor	Physics	12	
11	Ms.Ch.Nirosha	M.Sc,	Asst. Professor	Physics	1	
12	Mr.B.Narayana	M.A., M.Phil, PhD	Asst. Professor	English	20	

13	Mr.P.Thomasaiah	M.A.,	Asst. Professor	English	8	
14	Mrs.A.Indira Priyadarshini	M.A.,	Asst. Professor	English	3	
15	Mrs.K.Sri Latha	M.A.,	Asst. Professor	English	3	
16	Mrs.K.Lakshmi	M.Sc, (PhD)	Asst. Professor	Chemistry	10	
17	Mrs.Sk.Gousia	M.Sc	Asst. Professor	Chemistry	6	
18	Mr.M.Rajesh	M.Sc	Asst. Professor	Chemistry	10	
19	Mrs.Ch.V.L.Padmav athi	M.Sc	Asst. Professor	Micro- Biology	8	
20	Mrs.V.Ratna Kumari	M.B.A, M.Phil (Ph.D)	Asst. Professor	Managemen t Sciences	8	
21	Mr.G.Gurunatham	M.B.A, M.A,M .H.RM (Ph.D)	Asst. Professor	Managemen t Sciences	8	
22	Dr.A.Savitri	M.A, M.Phil, PhD	Asst. Professor	English	15	
23	I.Vidya Rekha	M.A.	Asst. Professor	English	3	
24	Mr.Vali Basha	M.A	Asst. Professor	English	3	
25	Mr.Jani Basha	B.Tech	Asst. Professor	Aptitude trainer	3	
26	Mr.M.V.P.Vijay Kasyapa	M.Com	H.R	HR. Manager	12	
27	Mr.V.Hanumamtha Rao	M.Ped	Asst. Professor	Physical Education	12	
28	Mrs.Sowjanya	M.A	Asst.	English	12	

		(PhD)	Professor			
29	Mrs.T.Bhagya Lakshmi	M.LiSc	Librarian	Library Sciences	1	
30	Mrs.B.Sunitha	M.LiSc	Librarian	Library Sciences	6	
31	Ms.Swathi	M.Ped	Asst. Professor	Physical Education	4	
32	Dr.Subba Rao	M.B.A, PhD	Assoc. Professor	Management	33	
33	J.N.G.Srinivas	M.B.A. M.A.	Asst. Professor	English	5	
34	Ch. Mahananda Reddy	M.A. M.Phil	Asst. Professor	English	12	
35	Ch.Siva Prasad	M.B.A	Asst. Professor	Management	10	
36	A.Vanaja	M.Sc, (PhD)	Asst. Professor	Physics	5	
37	Dr.M.Roja Raman	M.Sc. PhD	Asst. Professor	Physics	10	
38	Dr.Pavan Kumar	M.Sc , PhD	Asst.Prof	Mathematics	14	
39	P.D.R.Murthy	M.A M.B.A	Asst.Prof	Mangement	14	
40	Dr.N.Venkatarao	M.LiSc	Assoc. Professor	Librarian	11	

11. Listof senior visiting faculty :

S.NO.	NAME	DESIGNATION
1	Dr.Harish Gadhavi	Scientist-E,NARL, Dept. of Space.
2	G.Manikya Rao	Head, Dept of Physics, C.R.College.
3	Prof.Dakshinamrthy	Head, Dept of Physics, JNTUK
4	Dr.Surendra	Head, Dept of Physics, RVR&JC

5	Dr.K.Subba Raju	Professor, Dept of Chemistry, SRKR College, Bhimavaram.
6	Dr.Ramana	Professor, Dept of MBA, Siva Sivani Institute, Hyderabad

12. Percentage of classes taken by temporary faculty–programme-wise information:NIL

13. Programme-wise Student Teacher Ratio:15:1

14. Number of academic support staff(technical)and administrative staff:

Sanctioned:3 Filled : 3

15. Qualifications of teaching faculty withPh.D/MPhil/PG.:

DEGREE	NUMBER
Ph.D	5
M.Phil	6
P.G	29

16.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

17. Departmenta lprojects funded byDST-FIST; DBT,ICSSR,etc.;total grants received:NIL

18. Research facility/centre with:Applied to JNTUK for research facility

a.state recognition

b.national recognition

c.international recognition

19. Publications:

Papers Published	2013-14	2014-15	2015-16	Total
Dr.N.Srinivasa Rao	2	1	2	5
Dr.T.Kiran Kumar	2			2

V.Ratna Kumari	3	2		5
G.Gurunadham	1	1		2
A.Savithri	4	4		8
B.Narayana	4	4		8
K.Srinivasa Rao	2	1		3
M.V.Vijay Kumar	2			1
P.Thomasiah	1			1
Dr.G.Srinivasa Rao	6	15		21
K.Lakshmi	1	1		2
B.Narayana			1	1

20. Details of patents and income generated: 35,000/-(Income)

21. Faculty as members in

a) National committees : NIL

b) International Committees : NIL

c) Editorial Boards :

S NO	Name of the staff	Designation-	Journals	Member in editorialboard
1	Dr T.Kiran Kumar	Reviewer	1.Advances in Space Research(Elsevier) Aerosols and 2.Environmental Science and Pollution 3. Aerosols and Air Quality Research.	NIL

2.	Dr.G.Srinivasa Rao	1.Asian Journal of Mathematics and Computer Research
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22. Areas of consultancy and income generated: Soil and water Analysis-35,000/-

Year	Nature of work	Agency&Address	Income generated
2010 onwards till date	Soil analysis	farmersof nearby villages	Rs.25,000
2010 onwards till date	Water analysis	Mineral water plants nearby	Rs.10,000

23. Student projects :NA

24. Awards/recognitions received at the national and international level by :

a. Faculty

S.No	Name of the Faculty	Nameoftheaward	Department	Awardedby	Year
1	Dr. T. Kiran Kumar	Full financial assistance to visit Brazil	AS&H	INPE, Brazil	2011
2	Dr. T. Kiran Kumar	Full financial assistance to visit ICTP,Italy	AS&H	ICTP, Italy	2011
3	Dr. T. Kiran Kumar	Research article ranked 10 th in Science direct top 25 for January to March 2013	AS&H	Elsevier Publications	2013
4	Dr. T. Kiran Kumar	Research article ranked 14 th in Science direct top 25 for the year 2013	AS&H	Elsevier Publications	2013

5	Dr. N. Vijaya	Best poster Award in National Conference	AS&H	STAR-11, Kerala	2011
6	Dr. N. Vijaya	Full financial assistance visit to Edinburgh, UK	AS&H	UKIERI, UK	2011

b.Doctoral/post doctoral fellows

c.Students

25.Seminars/Conferences/Workshops organized and the source of funding(national/ international) with details of outstanding participants, if any.:

Department of S&H				
SNo	Workshop/Guest Lecture	Topic	Resource Person	Date
1	Guest Lecture	Advanced Oxidation Process	V.Rama Krishnan, Senior Lecturer Dept. of Chemistry , CR Degree college, Chilakaluripet	19-10-2013
2	Workshop	Evaluation and Prevention of Corrosion and Failures	Dr.Vijaya Saradhi. Head, Dept. of Chemistry, CR.Engineering College , Chilakaluripet	8-11-2013
3	Workshop	Science and Engineering Materials for future needs	Dr.J.Venkateswara Rao,Professor Bapatla Engg College	24-6-2014
4	Workshop	Nano science and Engineering Applications	Dr.N.Srinivasa Rao , Professor,Vignan University	5-12-2014
5	Guest Lecture	Recent Trends on Spectroscopic studies	Dr.V.Anuradha Professor,Vignan University	3-3-2015
6.	Seminar	Impact of Air pollution on climate change	Dr.Harish Gadhavi, Scientist-E, NARL, Gadanki	25-03-2015

7.	Guest Lecture	Instrumentation Technique for Research in Science and Technology	Dr.V.Anuradha Professor, Vignan University	16-4-2015
8.	Guest Lecture	Introduction to Nano materials	G.Manikya Rao, Head, Dept. of Physics, CR Degree college, Chilakaluripet`	30-7-2015
9.	Guest Lecture	Non destructive Testing	Dr.G.Sita Rama Raju, Associate Professor, South Korea.	28-9-2015
10.	Workshop	Semi conductor Materials and their Applications	Dr.M.Chandra Sekhar, , Research Associate, Dept. of Physics,SVU,Tirupati	26-12-2015
11.	WorkShop	Atmospheric Physics- Understanding climate change	Dr.M.Roja Raman, Research Associate, Dept. of Physics,SVU,Tirupati	23-01-2016
12.	Guest Lecture	Recent Trends in Applied Mathematics	Dr.K.Ramanjaneyulu, CR.Engineering College, Chilakaluripet.	23-01-2016
13.	Workshop	Boundary value problems	Dr.B.V.Apparao, KLU	4-2-2016

26. Student profile course-wise:

Course	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
ECE	60	120	120	120	180	180	180	180
EEE	60	60	60	60	60	120	120	120
CSE	60	60	60	60	120	120	120	120
IT	60	60	60	60	60	--	--	--
ME	--	60	60	60	60	120	120	120
CE	--	--	--	60	60	60	60	60

Total	240	360	360	420	540	600	600	600
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27. Diversity of students

Name of the Course (refer question no. 2)	%of students From the State	%ofstudents From other States	%of students fromother countries
U.G	100	0	0

28. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?:NA

29. Student progression:

Student progression	Percentage against enrolled
UG to PG	NOTAPPLICABLE
PG to M.Phil.	
PG to Ph.D.	
Ph.D.to Post-Doctoral	

30. Diversity of staff

Percentage of faculty who are graduates	Number
Of the same parent university	--
From other universities within the State	40
fromotheruniversitiesfromotherStates	--

31. Number of faculty who were awarded Ph.D.,D.Sc. and D.Litt. during the assessment period.: No. Of.Ph.Dawarded-2

No. ofM.Phills awarded-1

32. Present details about infrastructural facilities

- a)Library : Department Library with more than 200 Books
- b)Internet facilities for staff and students: A system with internet facility is provided in each of the three staff rooms
- c)Total number of classrooms: 11
- d)Classrooms with ICT facility: 2

e)Student's laboratories : 5

CHEMISTRY:

Engineering chemistry is considered to be one of fundamental subject for students. The department of AS&H has a well equipped Engineering chemistry laboratory, with a total area of 99 Sq.ft and can accommodate 32 students at a time in the lab. Water, soil, oils and food material can be analysed accurately in our laboratory. The students are facilitated to carry out the experiments individually as per the curriculum of JNTUK-Kakinada. The lab is equipped with high quality Borosil glassware, structured central gas supply and quality Chemicals (Merck). In addition, to all this, modern and sophisticated instruments like PH meters, conductivity meter, turbidity meter, single pan balance, redwood viscometer, pensky –martin apparatus, cloud & pour point apparatus, etc. are also provided to create awareness about instrumental methods, analysis so that the students are benefited.

Water & waste water Engineering lab: Department of Civil Engineering is carrying out analysis of waste water to determine the characteristics like Acidity, alkalinity, pH, turbidity, hardness, analysis of various ions in water.

Water analysis Department of AS&H is carrying out analysis of TEC drinking water for every three months to check the performance of the various water treatment systems working in TEC.

Fuel Analysis: Department of ME students utilize the engineering chemistry lab for production of bio-diesel from oil on the basis of transesterification reaction and also provides insight to produce bio-diesel from waste cooking oil. Analysis of various lubricants gives an insight in to practical approach to their theoretical knowledge.

Research in Chemistry : The Department of chemistry is provided with state of art laboratories with sophisticated instruments to carry out research work. The faculty from various departments utilize these facilities for their M.Phil and Ph.D programs. Students from all the departments utilize these facilities for their project works.

English Communication Skills Lab:

Our institute has an excellent English Language Communication Skills Laboratory (ELCS) which plays a significant role in enhancing the skills of engineering students. The lab is provided with special software packages recommended by the university, **GLOBERENA** and **K-VAN SOLUTIONS**, which grooms not only the first year students and also the senior students compatible for 'industry ready'. The infrastructural facilities create such an ambiance for 75 students at one stretch to participate in all the activities like (JAM, EXTEMPORE, GROUP DISCUSSIONS, DEBATE and POWER POINT PRESENTATIONS). In addition to the university curriculum we ourselves designed 40 hrs schedule of different levels for all the II, III and IV/I. Quite a good number of four final-

year students also use the facilities in this laboratory to prepare themselves for TOEFL & GRE. We also provide brush up sessions to our III and IV year student in regular intervals to meet the demands of corporate interviews. The ELCS Lab helps the budding professionals to acquire relevant language skills effectively.

Physics Laboratory:

Engineering Physics Labs caters the needs of all branches of IB.Tech. The institute is provided with a well-equipped physics laboratory. The laboratory facilities the entire class of 60 students to carry out experiments independently. Quality instruments with high precision and accuracy are maintained in the laboratory. The laboratory is provided with visuals like charts explaining different concepts in physics and photos of eminent scientists to inspire the students. The laboratory has an excellent dark room for performing Optics experiments. Experiments beyond the curriculum are also performed by students for added knowledge in the subject.

COMPUTER LAB:

The department is provided with two computer centres with 60 computers each. All the systems have up to date configuration. They are utilized by the students for C Programming and IT workshop practicals. Students utilize this lab beyond the schedule to practice programming, learn to use different softwares and browse the internet for enhancing their knowledge.

Computer Centres:

Our department is provided with two computer centres with advanced computer systems where the students perform experiments prescribed under virtual lab. These experiments give an insight to concepts which cannot be realized in real time.

Lab Description	Capacity (No of students)	Software Used If any	Type of experiments	Quality of instruments	Lab manuals
Engineering Physics Lab	60	Nil	Optics, Mechanics, Electricity and Magneism	Good	Available
Engineering Chemistry lab	30	Nil	Chemical Properties And Volumetric analysis	Good	Available

Engineering Workshop	60	Nil	Fitting, plumbing, house wiring, carpentry Experiments Prescribed by JNTUK	Good	Available
ITWorkshop	60		Both software and Hard ware Experiments	Good	Available
CP Lab	60	Turbo C	Pogramming in C(Prescribed by JNTUK)	Good	Available
EnglishLanguage &Communication Skills lab	60	K Van Solutions	Software Experiments	Good	Available
Engineering Drawing	60	Nil	Engg. Drawing	Good	

f)Research laboratories–Nil

33. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: Engineer’s Day celebration

34. Teaching methods adopted to improve student learning–

- Tutorials on each subject,Self learning assignments for students as prescribed by JNTU-K
- Classes beyond the timetable for slow learners,
- Remedial classes for academically weak students .
- Powerpoint presentations and visual resources like animations and videos for topics wherever required.
- Constant interaction with students regarding their knowledge and understanding levels directly by teachers and also by their respective counselors.
- Student seminars
- Faculty seminars for knowledge sharing .

35. Participation in Institutional Social Responsibility (ISR) and Extension activities

- NSS activities:

- Swatch Bharath
- Blood Donation Camp
- Helping hands
- Blood donation camp through NSS Activities

S.NO	DATE	ACTIVITY/EVENT	CONDUCTED BY	VENUE
2014-15				
1	10-Feb-14	Clean and Green Programme , identification of problems in village	TEC	Rangareddypalem, Jonnalagadda, Narasaraopet(M)
2	11-Feb-14	Chlorination in village	TEC	Rangareddypalem , Jonnalagadda, Narasaraopet(M)
3	12-Feb-14	Plastic usage awareness, literacy awareness in village	TEC	Rangareddypalem , Jonnalagadda, Narasaraopet(M)
4	13-Feb-14	Blood testing	TEC	Rangareddypalem , Jonnalagadda, Narasaraopet(M)
5	14-Feb-14	ArogyaSadhasu	TEC	Rangareddypalem , Jonnalagadda, Narasaraopet(M)
6	15-Feb-14	MadhyapaanaNishedam	TEC	Rangareddypalem , Jonnalagadda, Narasaraopet(M)
7	16-Feb-14	Plantation	TEC	Rangareddypalem , Jonnalagadda, Narasaraopet(M)
2013-14				
9	28-Feb-13	Clean and Green programme , identification of problems in village	TEC	SRKT Colony , Kesanupalli(v), Narasaraopet(M)
10	1-Mar-13	Plantation programme	TEC	SRKT Colony ,

				Kesanupalli(v), Narasaraopet(M)
11	2-Mar-13	Plastic usage awareness, literacy awareness in village	TEC	SRKT Colony , Kesanupalli(v), Narasaraopet(M)
12	3-Mar-13	Judicial awareness	TEC	SRKT Colony , Kesanupalli(v), Narasaraopet(M)
13	4-Mar-13	Traffic awareness and anti-Harrasment Programme	TEC	SRKT Colony , Kesanupalli(v), Narasaraopet(M)
14	5-Mar-13	Health camp with free check up and Medicine	TEC	SRKT Colony , Kesanupalli(v), Narasaraopet(M)
2012-13				
16	3-Feb-12	Survey on works and Problems in village	TEC	BC Colony , Satuluru
17	4-Feb-12	Clean and Green programme	TEC	BC Colony , Satuluru
18	5-Feb-12	HIV/AIDS awareness programme	TEC	BC Colony , Satuluru
19	6-Feb-12	Judicial awareness and Blood Grouping camp	TEC	BC Colony , Satuluru
20	7-Feb-12	Health camp with free check up and Medicine	TEC	BC Colony , Satuluru
2011-12				
22	15-Aug-11	Distribution of Fruits and Blankets to Orphans	TEC	Ravi Shankar Orphan School,Puttakota(v), Phirangipuram(M)
23	14-Oct-11	Plantation Programme	TEC	Tirumala Engineering College onnalagadda, Narasaraopet
24	20-Nov-11	Blood testing Camp for all students and near by villagers	TEC	Tirumala Engineering College

				Jonnalagadda, Narasaraopet
25	1-Dec-11	AIDS awareness programme for all students	TEC	Tirumala Engineering College onnalagadda, Narasaraopet
26	10-Dec-11	Red Cross Society Blood Donation Camp	TEC	Tirumala Engineering College Jonnalagadda, Narasaraopet
27	25-Jan-12	Essay writing and Debate on Voters day celebrations by NSS volunteers	TEC	Tirumala Engineering College Jonnalagadda, Narasaraopet
28	25-Jan-12	Road Safety training programme by TVS motors	TEC	Tirumala Engineering College Jonnalagadda, Narasaraopet
		and RTO driving Licence awareness		
2010-11				
30	30-Dec-10	Trauma Care , driving awareness	TEC	Jonnalagadda(v), Narasaraopet
31	31-Dec-10	Disaster Management (Flood)	TEC	Jonnalagadda(v) ,Narasaraopet
32	1-Jan-11	Cleaning school premises , Blankets distribution, Blood Donation	TEC	Upper Primary school, BC colony ,
33	2-Jan-11	Sanitation for colony drains, Need of education for each child	TEC	SC and BC colonies ,
34	3-Jan-11	Cleaning of local Temple , plantation and	TEC	kotappakonda, Yallamanda(v) ,

		watering of plants		
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36. Number of students of the department getting financial assistance from College.:330

37. Detail any five Strengths,Weaknesses, Opportunities and Challenges (SWOC)of the department.

Strengths

- The department is blessed with senior faculty having high qualifications and research background. They are committed and dedicated towards the institution.
- Providing in-house CRT training for the entire college.
- Encouraging faculty and students towards importance of research in their particular fields.

Weaknesses:

- Need to improve towards consultancy
- More workshops and Symposia are to be conducted.

Opportunities:

- Students are given strong foundations on basic sciences and communication skills to understand and enhance their knowledge in respective engineering Subjects.
- The department creates a bridge between Intermediate education and Engineering.
- Students from rural back ground are introduced to the developing society through quality education.

Challenges:

- To create awareness among the students about research.
- To create awareness on skills required for rural students to secure employment in core engineering as well as IT sectors.
- To Train rural students who don't have communication skills and proficiency in English.

38. Future plans of the department.

- Enhancing activities towards quality researchwork in basic sciences. Applying for R&D projects from funding agencies like DST, UGC ,MOES, CSIR Etc.
- Conducting more workshops andseminars in Basic sciences to equip with knowledge on importance and application of basic sciences in core Engineering areas.
- To enter into MOUs with Premier Institutes. To take up consultancy works in the area of Chemistry, Environmental science, Physics and Mathematics.

Evaluative Report of CSE Department

1. Name of the department: Computer Science and Engineering

2. Year of Establishment: 2008

3. Names of Programmes /Courses offered:

Programme of Study	Description
B.Tech. in Computer Science & Engineering	Course started with 60 seats in 2008. Intake Increased to 120 from 2012 to till date

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

S no	Course	Department
1	English– I&II	Science & Humanities
2	Mathematics – I&II	
3	Mathematical Methods	
4	Probability & Statistics	
5	Engineering Physics – I&II	
6	Engineering Chemistry I&II	
7	Environmental Studies	
8	Engineering Physics & Engineering Chemistry Laboratory-I	
9	English Communication Skills lab– I&II	
10	Managerial Economics and Financial Analysis	
11	Professional Communicational skills	
12	IPR and Patents- 1&2	
13	Engineering Workshop (Carpentry, Fitting, House wiring.)	Mechanical Engineering
14	Engineering Drawing	
15	Engineering Mechanics	
16	Digital Logic Design	Electronics and Communication Engineering
17	Electronic Devices and Circuits	
18	Digital Logic Design Lab	
19	Data Communication	

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

S no	Course	Annual/ semester/choice based credit system
1	B. Tech I-IV years	Semester

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

S no	Course	Department
1	C Programming and Lab	CIVIL, EEE, MECH, ECE
2	IT WORKSHOP LAB	CIVIL, EEE, MECH, ECE
3	Data Structures	ECE
4	Computer Organization	ECE, EEE
5	Computer Networks	ECE
6	OOPS Through Java	ECE, EEE
7	Operating Systems	ECE
8	Computer Graphics	MECH

7. Courses in collaboration with other universities, industries, foreign institutions, etc: NIL**8. Details of courses/ programmes discontinued (if any) with reasons: NIL****9. Number of teaching posts**

Designation	As per AICTE Norms	Existing
Professors	2	2
Associate	4	8
Asst. Professors	18	14

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.

/Ph.D. / M. Phil. etc.)

S No	Name	Qualification	Designation	Specialization Area	No. of Years of Experience	No. of Ph.D students being guiding for the last 4 years
1	Dr B Bhanu Prakash	B.E., MTech., Ph.D	Professor	Data Mining	12	7
2	Dr. R. Gandhi Raja	B.E., M.E., Ph. D	Professor	Networking	14	--
3	Mr. R. Lalu Naik	M. Tech., (Ph. D)	Assoc. Prof	Cryptography	13	--
4	Mr. M. Srikanth Yadav	M. Tech	Assoc. Prof	Data mining and Data warehousing	11	--
5	Mr. B. Ramesh	M. Tech	Assoc. Prof	Data Structures	8.5	--
6	Mr.P.Nagababu	M.Tech	Assoc. Prof	Data Structures	8	--
7	Mr.M.Andrew Kumar	MCA	Technical Lead, Infosys, Banglore	Software Engineering	11	--
8	T.Krishna Rao	MCA	Technical Lead, Societe Generale Global Solution Centre, Banglore.	Network Security	11	--

9	D.V.Sudheer Kumar	MCA	CEO, DVTech Services, Bangalore.	Software Engineering	12	--
10	P.SrinivasaRao	MCA	Technical Lead, Infosys, Bangalore	Data mining	12	---
11	Mr. T. Narendra Babu	M. Tech., (Ph. D)	Asst. Prof	DBMS	7	--
12	Mr. M. Chennakesava Rao	M. E	Asst. Prof	Web Technology	4	--
13	Mrs. P. Varalakshmi	M. Tech	Asst. Prof	Networks	8	--
14	Mr. M Srikanth	M. Tech	Asst. Prof	UML	4	--
15	Mr. S. Anil Kumar	M. Tech	Asst. Prof	Computer Graphics	6	--

16	Ms. D.Komali	M. Tech	Asst. Prof	Web Technology	4	--
17	Mrs. Sk. Shahida	M. Tech	Asst. Prof	Networks	4	--
18	Mrs. Sk.Shahina	M. Tech	Asst. Prof	Networks	9 Months	--
19	Mr.MCP Saheb	M. Tech	Asst. Prof	Software Engineering	5	--
20	Mr. D. Pavan Kumar	M. Tech	Asst. Prof	Software Engineering	3	--
21	G.Jaideep	M.Tech (Ph.D)	Assistant Professor and Software Test Engineer, CHAMFER Software Technologies, Bangalore.	Image Processing	5	--

22	T.sambasivarao	M.Tech	Assistant Professor	Image Processing	---	---
23	D.Vinod Kumara Chari	M.Tech	Assistant Professor	Computer Networks	---	---
24	P.Sivasankar	MCA	Assistant Professor and Module lead , Tech Mahindra, Bangalore	Software Engineering	11	---

No. of Ph.D students guided for the last 4 years : 1

11. List of senior visiting faculty:

Sl.No	Name	Designation	Company
1.	Dr.P.Krishna Mohan	Associate Professor and HOD	IIT, Hyderabad
2.	Dr.M.Ramesh	Associate Professor	RVR & JC College of Engg
3	Prof.Suresh Chandrapati	Professor	ANITS, Vizag

12. Percentage of lectures delivered and practical classes handled (programme wise)By temporary faculty: NIL

13. Student -Teacher Ratio (programme wise)

- UG :B.Tech (CSE) 15:1

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

Post	Sanctioned	Filled
Administrative Staff	2	2
Academic support staff (Technical)	6	6

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

S no	Qualification	No. of Faculty
1	Ph.D	2
2	PG	22
3	UG	NIL

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received. : NIL****18. Research Centre /facility recognized by the University:**

Research Centre is already in place. Proposal is already submitted to JNTUK and awaiting for approval.

19. Publications:**a) Publication per faculty**

S no	Faculty Name	National Journal/ International Journal	National Conference/ International Conference
1	Dr B Bhanu Prakash	14	4
2	Dr. R. Gandhi Raja	12	8
3	Mr. R. Lalu Naik	6	1
4	Mr. M. Srikanth Yadav	10	2
5	Mr. B. Ramesh	1	1
6	Mr.P.Naga Babu	1	1
7	Mr. T. Narendra Babu	4	3
8	Mr. M. Chennakesava Rao	3	1
9	Mrs. P. Vara lakshmi	5	—

10	Mr. M Srikanth	2	2
11	Mr. S. Anil Kumar	2	--
12	Mrs.K.Gayatri	4	1
13	Ms. D.Komali	1	--
14	Mr. A.Madhava Reddy	7	--
15	Mrs. Sk. Shahida	2	--
16	Mr. Sk.Rafi	2	1
17	Mrs. Sk.Shahina	1	--
18	Mr.MCP Saheb	2	--
19	Mr. D. Pavan Kumar	2	--
Total		81	25

20. Areas of consultancy and Income Generated:

S. No	Organization	Activity	Income
1	Online Examination Application	Conduct Exams online in TEC.	Rs.5000/-
2	Stock Maintenance System	Record the stock(fans,lamps,etc) in TEC.	Rs.7000/-
3	Transport Maintenance System	Record expenditure of buses in TEC.	Rs.10,000/-
4	Faculty Performance Index	To assess the faculty performance in TEC.	Rs.2500/-
5	Time Table Generator	To generate class time table.	Rs.6000/-
6	Interest Calculator	To calculate interest amount for SJS jewelers	Rs.2500/-
7	Suryaagars.com	Static Website for Surya Agar batties in Narasaraopet.	Rs.2000/-

21. Faculty as members in

- a) National committees: No
- b) International Committees: No
- c) Editorial Boards: yes

S.NO	Name of the Staff	Designation	Membership in Professional society	Membership Number	Member in editorial board
1	Dr. B.Bhanu Prakash	Life Member	CSI	F8000154	
2	Dr. R. Gandhi Raja	Life Member	ISTE	LM39395	
3	Mr. R. Lalu Naik	Nominee Member	CSI	NI220744	Reviewer for Springer
4	Mr. M. Srikanth Yadav	Nominee Member Life Member	CSI ISTE	N1280673 LM67824	Reviewer for IJRTET
5	Mr. B. Ramesh	Member	CSI	I1199655	
6	Mr. T. Narendra Babu	Member	CSI	I1199656	
7	Mr. M. Chennakesava Rao	Member	CSI	I1199852	
8	Mrs. P. Vara lakshmi	Member	CSI	I1199819	
9	Mr. M Srikanth	Member	CSI	I1199657	
10	Mrs.K.Gayatri	Member	CSI	I1502466	
11	Mr. A.Madhava Reddy	Member	CSI	N1220746	

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

YEAR	Total No. of students	A		B	
		In-House	In-House%	Out-House	Out-House%
2015-16	112	112	100	--	--
2014-15	62	50	80.64	12	19.36
2013-14	69	69	100	--	--
2012-13	64	64	100	--	--
2011-12	61	61	100	--	--

23. Awards / Recognitions received by faculty

- awards in inter institute events by Faculty of the programme:

Names of the Faculty	Year	Dates	Particulars
Mr.M.Srikanth Yadav	2014-15	05-09-14	Best Teacher Award in TEC
Mr.T.Narendra Babu	2012-13	05-09-12	Best Teacher Award in TEC
Mr.B.Ramesh	2011-12	05-09-11	Best Teacher Award in TEC
Mr.M.V.Pavan Kumar	2011-12	05-09-11	Best Teacher Award in TEC

Awards / Recognitions received by Students**Publication and Awards in inter institute events by Students of the programme:**

Names of the students	Year	Dates	Particulars
G. Vishnu Vardhan	IV CSE	03-03-2015	Paper presentation- First prize-National level student technical fest@ Malineni Lakshmaiah Engg college, Guntur
G. Vishnu Vardhan	IV CSE	27-02-2015	Paper presentation- Second prize-National level technical arena-Chalapathi Institute of Technology, Guntur
G. Vishnu Vardhan	IV CSE	14-02-2015	Second Prize- Paper presentation-Eswar Engg college, Narasaraopet
G. Shanmukha Srinivas	III CSE	2015	Second Prize-KITS yuva-KITS engg college Guntur
P. Ramya	III CSE	10-10-2014	First Prize-PPT-Priyadarsini Group of Institutions, Tenali
Muvvala Vinod Kumar	III CSE	2014	ATMOS- participated in google events-BITS Hyderabad
PVS Adi narayana	III CSE	10-10-2014	First Prize-PPT-Priyadarsini Group of Institutions, Tenali
P. Ramya	III CSE	26-09-2014	THRUSANG 14- Certificate of excellence-KL university
PVS Adi narayana	III CSE	26-09-2014	THRUSANG 14- Certificate of excellence-KL university
V.Jaya Krishna Sai	III CSE	26-09-2014	THRUSANG 14- Certificate of excellence-KL university
Muvvala Vinod Kumar	III CSE	7-5-2014	Certificate of Appreciation- Web casting Duties- SVEEP-District Election officer-Guntur
Muvvala Vinod Kumar	IV CSE	2015	ATMOS2015-Certificate for Campus Ambassador-BITS hyderabad
T. Sada siva rao	IV CSE	2015	ATMOS2015-CSA paper presentation-workshop- BITS Hyderabad
N. Vejith	IV CSE	2015	ATMOS2015-Reverse Coding-Gogled-CSA paper presentation-BITS hyderabad
M. Susmitha	IV CSE	2015	ATMOS2015-Reverse Coding- CSA paper presentation-BITS hyderabad

24. List of Eminent Academicians and Scientists / Visitors to the Department

S No	Name of the Speaker	Date
1	Dr.Mukhopadhyaya Dr.C.R.Nagendra Rao Dr.Shiva Kumar NITTTR,Chennai	29-02-2016 to 05-03-2016
2	Mrs.Rajya Lakshmi Vadapally,Group Technical Manager,IBM,Hyderabad	12-3-2016
3	Mr.Varri Eswar Prabhakar,Senior Manager,Cognizant Technologies,Hyderabad	12-3-2016
4	Dr.P.Udaya Bhaskar,APPSC Chairman	12-3-2016
5	Dr.E.V.Reddy , Professor, Shinas College Of Engg Oman	19-08-2015
6	Dr.Chelukuri Sridhar,Joint Collector,Guntur(Dt)	27-3-2015
7	Dr.Ch.Rupa, Professor at Siddhartha College of Engg.	08-03-2015
8	Dr.S.Venkateswara Rao	20-1-2014
9	Dr.E.Srinivas Reddy	07-3-2014
10	Mr.T.Venu	07-10-2014 To 10-10-2014
11	Dr.V.Krishna Reddy	10-10-2013
12	Mr.M.Ramesh	19-12-2013 to 21-12-2013
13	Mr.P.Srinivasu Reddy,Developer Sankalapl Software Solutions Pvt Ltd	10-03-2013

14	P.Arun Babu,RDO & Sub Divisional Magistrate, NRT	21-3-2013
15	J.Sathyanarayana,SP Guntur	21-3-2013
16	A.V. Veera Bhadra Rao,Municipal Commissioner,NRT	21-3-2013
17	Dr.E.Srinivas Reddy, Vice Principal, ANU University	7-03-2013
18	Dr.M.V.P.Chandra Sekhara Rao Professor at R.V.R.J.C College Of Engg	07-03-2013
19	Mr.Y .Murali Mohan Babu Mr.P.V.Narayana Reddy	20-06-13 to 22-06-13
20	Dr.V.Krishna Reddy, Prof.& HOD of CSE LBRCE College	10-10-2012
21	A.Ravi Chandra,SP ,Guntur	12-4-2012
22	Dr.Garikipati Narasimha Rao, Maha Sahasra avadhani	12-4-2012
23	Dr.S.Venkateswara Rao Professor & HOD, K.L. University	29-09-2011
24	B.RamaRao,Session Judge ,NRT	26-3-2011
25	A.Ramana Rao, Arjuna and Dronacharya Awardee	26-3-2011
26	Mrs. Nirmala Sridharan	03-06-11 to 04-06-11

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National b) International

Papers Published	2011-12	2012-13	2013-14	2014-15	2015-16	Total
National Conferences	1	1	—	1	1	4
Workshop	1	1	1	1	1	5
Guest Lectures	1	2	3	4	4	14
Seminars	2	2	2	2	2	10
FDP	1	1	1	1	1	5
Total	6	7	7	9	9	38

26. Student profile programme/course wise:

Batch	Name of the Course/programme (refer question no. 4)	Seats Available	Seats Filled	Enrolled		Pass percentage
				*M	*F	
2011-15	B. Tech (CSE)	67	67	35	32	70.14
2010-14	B. Tech (CSE)	60	59	21	39	67.8
2009-13	B. Tech (CSE)	62	62	35	27	61.29
2008-12	B. Tech (CSE)	62	60	42	20	69.54

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UG: B. Tech (CSE)	100	--	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the competitive examination	No. of students qualified				
	2008-12	2009-13	2010-14	2011-15	2012-16
GATE	3	--	--	--	--
GRE	1	1	7	9	7
IELTS/TOEFL	1	1	7	9	7
OTHERS					

29. Student Progression

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?)

Student progression	2012-16	2011-15	2010-14	2009-13	2008-12
UG to PG	--	6	8	7	5
PG to M. Phil.	--	--	--	--	--
PG to Ph.D.	--	--	--	--	--
Employed Campus selection(CS)	7	70	--	5	2
Other than campus recruitment	2	11	2	--	--

30. Details of Infrastructural facilities

a) Library-

Department	Computer Science and Engineering
No. of Titles	1021
No. of Volumes	4891

b) Internet facilities for Staff & Students:

Wi-Fi enabled in the campus. Internet speed of 20 Mbps broad band leased line is available

c) Class rooms with ICT

Rooms	No of Rooms	Facilities Available (Rs.)
Lecture Rooms	6	Sufficient no of tables , benches, Fans, Tube lights LCD Projector , podium, Benches, Chalks & Duster
Tutorial Rooms	2	

d) Laboratories:

Name of the Lab	Labs Conducting	Exclusive/ Shared	Floor Area Sq. m	Software to run the experiments	No of computers available
CP LAB	CD Lab	Shared	200 Sq. m	Linux, Turbo C	73
	DBMS Lab	Shared		Oracle 10g Express edition	73
	OS/Linux lab	Shared		Linux	73
	ADS lab	Shared		Turbo C	73
	AJWT lab	Shared			73
	CN/UNIX lab	Shared		UNIX, Turbo C, Telnet	73
CSE LAB – I	CP lab	Shared	200 Sq. m	Turbo C	73
CSE LAB- II	ITWS lab	Shared	200 Sq. m		73
ITWS LAB	UML/DP LAB	Shared	200 Sq. m	Rational Rose	73
	MAD Lab	Shared		J2ME	73
	OOPS thru CPP	Shared		Turbo C++	73
	DS lab	Shared		Turbo C	73
	JAVA lab	Shared		JDK 1.6	73
	FOSS lab	Shared		Linux	73

31. Number of students receiving financial assistance from college, university, Government or other agencies

YEAR	BRANCH	SC	ST	BC	EBC	MINORITY	Total
2015-16	CSE	6	--	33	74	10	123
2014-15		2	--	12	100	5	119

2013-14		--	1	10	101	1	113
2012-13		2	--	10	107	3	122
2011-12		5	--	12	41	2	60

32. Details on Student Enrichment Programmes (Special Lectures / Workshops /Seminar) with external experts

S No	Name of the Speaker	Date	Event	Topic
2015-16				
1	Dr.Mukhopadhyaya Dr.C.R.Nagendra Rao Dr.Shiva Kumar NITTTR,Chennai	29-02-2016 to 05-03-2016	FDP	Instructional Design and Delivery System
2	Mrs.Rajya Lakshmi Vadapally,Group Technical Manager,IBM,Hyderabad	12-3-2016	Guest Lecture	Current Trends in IT Sector
3	Mr. Varri Eswar Prabhakar,Senior Manager,Cognizant Technologies,Hyderabad	12-3-2016	Guest Lecture	Current Trends in IT Sector
4	Dr.P.Udaya Bhaskar,APPSC Chairman	12-3-2016	Guest Lecture	General Awareness on Government Employment
5	Dr.E.V.Reddy , Professor, Shinas College Of Engg Oman	19-08-2015	Guest Lecture	Big data & Hadoop
2014-15				
1	Mr.T.Venu	07-10-2014 To 10-10-2014	FDP	Big Data
2	Dr.Chelukuri Sridhar,Joint Collector,Guntur(Dt)	27-3-2015	Guest Lecture	Administration
3	Dr.Ch.Rupa, Professor at Siddhartha College of Engg.	08-03-2015	Guest Lecture	Information Security
4		15-03-	Guest Lecture	TECHNICAL

	Mr.Sastri Varanasi,	2015		TRENDS IN IT
5	Dr.S.Venkateswara Rao,HOD DEPT OF CSE,KLU,VIJAYAWADA	20-01-2015	Guest Lecture	ETHICAL HACKING
2013-14				
1	Mr.M.Ramesh	19-12-2013 to 21-12-2013	FDP	PHP
2	Dr.S.Venkateswara Rao	20-1-2014	Guest Lecture	Ethical Hacking
3	Dr.E.Srinivas Reddy	7-3-14	Guest Lecture	IMAGE PROCESSING
4	Dr.V.Krishna Reddy	10-10-13	Guest Lecture	CLOUD COMPUTING
2012-13				
1	Dr.M.V.P.Chandra Sekhara Rao Professor at R.V.R.J.C College Of Engg	07-03-2013	Guest Lecture	Big Data
2	Dr.V.Krishna Reddy, Prof.& HOD of CSE LBRCE College	10-10-2012	Guest Lecture	Cloud Computing
3	Mr.Y .Murali Mohan Babu Mr.P.V.Narayana Reddy	20-06-13 to 22-06-13	FDP	Image Processing
2011-12				
1	Dr.S.Venkateswara Rao Professor & HOD, K.L. University	29-09-2011	Guest Lecture	Computer Networks
2	Mrs. Nirmala Sridharan	03-06-11 to 04-06-11	FDP	Personal and professional Excellence vis-a-vis language & literature

33. Teaching Methods adopted to improve Student Learning

- The under graduates are given best in class foundation, innovation and gear required to bear on the showing process in a more synchronized way
- The showing techniques received are well in consonance with the business needs and are redesigned all the time
- Hands on involvement in the separate fields is given to the understudies as internet preparing programs, field outings, national and universal gatherings and workshops, therapeutic and instructional exercise classes , preparing for grounds position and fitness, English labs for viable correspondence , courses by in-house personnel and visitor speakers and so forth
- The abilities and information of the instructors are overhauled routinely to make them well verse with the most recent industry drifts so they can grant learning of most recent patterns and methods to the understudies through Faculty development programs

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Reinforcing down to earth experience for understudies in colleges is vital to move social obligation from hypothetical base to viable change.

The Institution promotes practical experience for students to move social responsibility from theoretical foundation to practical applications. The Institution aims at development of students and transforming them into responsible citizens with moral values. The Institution organizes career guidance program to create awareness among the school students for choosing their career oriented courses after completing the school education. The Institute has NSS Unit admitted for regular social service and organizes several social service and community development programs which provide social responsibility in the minds of students. NSS Unit of the college organizes a seminar on —Anti Ragging every year. Red Ribbon programe consists of student volunteers who create awareness on HIV/AIDS in surrounding villages.

NSS Unit organizes a special camp every year for 7-10 days in nearby adopted village covering issues like health education, literacy, traffic awareness etc to the village people. Career & Guidance Cell of the college creates self-confidence to the students. This cell interacts frequently with students and clear the doubts related to academic and career oriented matters of the students. Faculty recreation programs are conducted now and then. In the academic year 2014-15 all teaching and non teaching staff members had recreation tour to Nagarjuna Sagar Dam .In the year 2015-16 they went to Srisailam. We used to conduct blood donation camps for students and faculty every year . In the year 2015 we conducted SWATCH BHARATH programs in our campus. In 2016 we conducted Grand rally of students and faculties around Narasaraopet for making awareness among public on START UP INDIA ,MAKE IN INDIA ,STAND UP INDIA and SWATCH BHARATH.

Developing technical, technological and professional competency needed for employment and productive work. Creation and dissemination of new knowledge and insight in entrepreneurial theory and practice. Developing leadership quality among the students and unemployed youth Health awareness camp, Blood Donation Camps and literacy programs. The institute is conscious of its role in campus community connection, well being of its neighborhood and has initiated a number of community development activities. These activities include:

• **Future Plans of the Department:**

The Department has set the following goals to be achieved in the near future:

1. Research oriented teaching to provide technical know-how to students
2. To start specific Skill Oriented courses for benefitting the social needs
3. More interaction with industries to design courses to cater to the need of society
4. Formulation of faculty research group to function as a consultant to industries and other institutions.

35. SWOC analysis of the department and Future plans

Strength:

- Adequate qualified and experienced faculty and staff.
- Sufficient Laboratories with latest computing amenities
- Outstanding results with good number of placements
- Excellent final year projects done in-house
- Highly disciplined students
- Professional body (CSI) with consistent track records of success

Weakness:

- No-Academic Autonomy
- Lack of industrial infrastructure in nearby areas.
- Admission is not on all India merit basis.
- Most of the Students are from rural area who are very much lagging in English communication

Opportunities:

- Educational Autonomy and Functional Autonomy so as to provide the need of industries by continuously updating the curriculum and facilities with the changing demands of market: Deemed University, centre of excellence.
- Training & Consultancy centre
- To encourage self employment in the area by starting vocational courses
- Young faculty development programmes
- Entrepreneurship Development Centre to cater the need of entrepreneurs
- Projects with Industry Govt. Organizations leading to R & D centre with the Institute.
- E-learning programmes.

Challenges:

- Fewer employment opportunities
- Lack of Academic Autonomy: Dependence upon traditional curriculum.
- Privatization of Professional Education.

36. Objectives and expected results in terms of “Institutional strengthening and Improvements in employability and learning outcomes of graduates”. Objectives

1. Fortifying Institution to create great engineers for better employability
2. Scaling-up UG training and request driven Research and Development and advancement
3. Setting up Centers of Excellence for centered relevant examination
4. Preparing of personnel for successful Teaching
5. Upgrading Institutional and System Management adequacy Department is resolved to actualize changes in trainings and imagined and accomplishes targets altered and we will find a way to guarantee change in learning results and employability of alumni from our organizations before the end of the study period through the accompanying action.

Improvements in teaching, training and learning facilities

- Enhanced R and D and institutional consultancy exercises
- Faculty and staff advancement for enhanced capability
- Enhanced communication with industry
- Institutional administration limit improvement
- Implementation of institutional changes
- Academic backing for feeble

The upgrades are brought out by overhauled learning assets and their expanded access, enhanced research center offices, cutting edge computerized classrooms, enhanced inn offices with plain environment and broad personnel and staff preparing. The activity arrangement will help in enhancing all-round fabulousness of understudies and to help them in detailing their professions. The proposed activity arrangement will likewise guarantee that all understudies and personnel have rise to chance to profit the advantages of the undertaking with significant change in the execution of scholastically powerless graduates.

**Evaluative Report of the
Department of Electronics and Communication Engineering**

1. **Name of the department:** Electronics and Communication Engineering
2. **Year of Establishment:** 2008
3. **Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

UG (B.Tech) : Electronics and Communication Engineering

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

S.No	Year & Sem	Interdisciplinary Courses	Departments involved
1	1-1	English – I, Mathematics – I, Mathematics – II (Mathematical Methods), Engineering Physics, Professional Ethics and Human Values, English - Communication Skills Lab -1, Engineering Physics Laboratory, Engineering Physics – Virtual Labs - Assignments,	AS&H
2	1-1	Engineering Drawing, Engineering Workshop & IT Workshop	ME, CSE
3	1-2	English – II, Mathematics – III, Engineering Chemistry, Engineering Chemistry Laboratory, English - Communication Skills Lab -2	AS&H
4	1-2	Engineering Mechanics, Computer Programming, , Computer Programming Lab Network Analysis	ME CSE EEE
5	2-1	MEFA, Environmental Studies Electrical Technology, Networks & Electrical Technology Lab Data Structures	AS&H EEE CSE

6	2-2	Management Science	AS&H
7	3-1	Control Systems	EEE
8	4-1	OOPS	CSE
9	4-2	Operating systems	CSE

5. **Annual/ semester/choice based credit system (program wise):UG:** Credit based Semester System with Electives in III and IV Years

6. Participation of the department in the courses offered by other departments: (7T+4L)

Year / Class	Sem.	Subject
II/IV EEE	1	Basic Electronic Devices and Circuits (T)
II/IV CSE	1	Digital Logic Design (T)
II/IV CSE	1	Digital Logic Design (L)
II/IV ME	1	Basic Electrical & Electronics Engg. (L)
III/IV EEE	1	Linear & Digital IC Applications (T)
III/IV CSE	1	Data Communications (T)
IV/IV M.E	1	MEMS (T)
II/IV EEE	2	Pulse & Digital Circuits (T)
II/IV EEE	2	Electronic Devices and Circuits (L)
III/IV EEE	2	Microprocessors and Micro Controllers (T)

*T- Theory, *L-Lab

7. Courses in collaboration with other universities, industries, foreign institutions, etc. Higher Education with the following Institutions -----NIL-----

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

9. Number of teaching posts

	Sanctioned	Filled
Professors	4	4
Associate Professors	8	7
Asst. Professors	24	25

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

S. No	Name	Designation	Qualification	Specialization	Experience (in Years)
1.	Dr.Y.V.Narayana	Professor	Ph.D	Investigations on Beam Conversion using Analyses	27Y
2.	Dr.Mahesh	Professor	Ph.D	Image processing	16Y
3.	Dr Vanajakshi	Professor	Ph.D	Image processing	14Y
4.	M.H.H.Sastry	Associate Professor	M.Tech	Instrumentation & control systems	21Y
5.	A.Srinivasa Rao	Associate Professor	M.Tech	VLSI System design	10.5Y
6.	K.Anjaneyulu	Associate Professor	M.Tech	Communication & Signal processing	8Y
7.	T.Jagadeesh	Associate Prof.	M.Tech	Signal processing	6.5Y
8.	Mrs.Nasreen	Assistant Professor	M.Tech	DECS	6.5Y
9.	K.Someswarara Rao	Assistant Professor	M.Tech	Embedded systems	8Y
10.	Sk John Saida	Assistant Professor	M.Tech	Digital Image Processing	5Y
11.	V.Srikanth	Assistant Professor	M.Tech	DECS	6Y
12.	Ch.Papa Rao	Assistant Professor	M.Tech	VLSI System design	6Y
13.	Ch.Kamala Kumari	Assistant Professor	M.Tech	VLSI & ES	6.5Y

14.	V.Ajay Kumar	Assistant Professor	M.Tech	DECS	5Y
15.	N.Venkateswara Rao	Assistant Professor	M.Tech	DECS	5.5Y
16.	K.Sriram Chandram	Assistant Professor	M.Tech	DECS	5Y
17.	K.Saraswati	Assistant Professor	M.Tech	VLSI & ES	4.5
18.	G.Navya	Assistant Professor	B.Tech, [M.Tech]	VLSI & ES	3Y
19	V.Anil Kumar	Assistant Professor	M.Tech	Communication & signal processing	2Y
20	P.Venu Kumari	Assistant Professor	M.Tech	VLSI	2Y
21	B.Venkateswarlu Naik	Assistant Professor	M.Tech	EI	3Y
22	D.Santosh Gupta	Assistant Professor	M.Tech	DSCE	1.6Y
23	A.Srinivas	Assistant Professor	M.Tech	Communication systems	1Y
24	K.Rama Krishna	Assistant Professor	M.Tech	DECS	1Y
25	T.Prasanna	Assistant Professor	M.Tech	VLSI	2 Y
26	Ch Karuna Pravaha	Assistant Professor	M.Tech	CE AND SP	2 Y
27	Ch Radhika	Assistant Professor	M.Tech	Communication and Radars	5 Y
28	D.Rekha	Assistant Professor	M.Tech	ES & VLSI	1 Y
29	Dr Chakravarthy	Scientist, DRDL	Ph.D	Antenna	28 Y

30	V Satyanarayana	PROJECT MANAGER, ANZ	M.Tech	E&IE	26 Y
31	Shanti Swaroop	CEO	M.Tech	Embedded Systems	25 Y
32	T Sitarama Kumar	SDE	B.Tech	ECE	11 Y
33	R. Viswanatha Reddy	Project Manager	M.Tech	VLSI	3 Y
34	Mr.N.K Kranthi	Research Scholar, IISc	M.Tech	Semi Conductors	1 Y
35	Mr. S Venkat Rao	Design Engineer, ITTIAM Systems Bangalore	M.Tech, NIT	Signal Processing	2 Y
36	Mr P Ashok Kumar	Design Engineer	M.Tech, NIT,	Signal Processing	2 Y

No. of Ph.D. Students guided for the last 4 years: -----NIL-----

11. List of senior visiting faculty:

S.NO	VISITING FACULTY NAME	COLLEGE NAME
1	Dr.T.Kishore Kumar	NIT,WARANGAL
2	Dr.A.Sudhakar	RVR&JC COLLEGE
3	Dr.G.N.Swamy	GUDLAVALLERU ENGG.COLLEGE
4	Dr.Padmaja	V.R.SIDDARDHA ENGG COLLEGE
5	Dr.T.Ranga Babu	RVR&JC COLLEGE

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

13. Student -Teacher Ratio (programme wise)

Courses	Student	Faculty	Ratio
UG	540	36	15:1

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

	Sanctioned	Filled
Academic support Staff	6	6
Administrative staff	2	2

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

Ph.D – 4

P.G (M.Tech.) –32

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

a). National funding agencies: NIL

b). International funding agencies: NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grant --
----NIL-----

18. Research Centre /facility recognized by the University: Research centre is already in place proposal submitted to JNTUK and awaiting for approval.

19. Publications per faculty

S.No	Year	No of Faculty	Total No. of Publications
1	2015-2016	8	12
2	2014-2015	8	11
3	2013-2014	10	30
4	2012-2013	8	22
5	2011-2012	4	11

20. Areas of consultancy and income generated:

Established LED display board with our own resources at minimum cost of 3 lakhs where as outsiders quoted 6 lakhs.

S No	Academic Year	Nature of work	Agency & address	Income Generated (Rs/-)
1	2015-16	Software solutions	Best flux 16/2,arundalpet,guntur	15,000/-
2	2015-16	Manufacturer of clean room instruments	Ace instruments Plot no:77,shakthipuram,kukatpally,hyderabad	1000/-
3	2015-16	Overseas education services collabration with foreign universities	Texas review Lakshmipuram,guntur	1500/-
4	2015-16	Servicing of aeroplane spare parts	Tech aero Kukatpally,hyderabad	500/-
5	2014-15	Servicing of sewing mechnes	Singer india pvt.ltd. Eluru road,vijayawada	1000/-

21. Faculty as members in

- National committees : **No**
- International Committees: **No**
- Editorial Boards: **Yes**

S.No	Name of the Faculty	Department	Details
1	Dr. M.Mahesh	ECE	REVIEWER FOR THE CONFERENCE ➤ ICECIT
2	Mr. T.Jagadeesh	ECE	REVIEWER FOR JOURNAL ➤ IJERT ➤ IJSET ➤ IJRTET

List of Faculty Enrolled for Various Memberships

S. No	Name	Designation	Membership
1.	Dr. Y. V. Narayana	Professor	FIETE
2	Dr.M.Venugopal Rao	Professor	IETE
3.	Dr.M.Mahesh	Professor	MISTE, IAENG
4.	Dr. Vanajakshi	Professor	IETE
5.	M.H.H.Sastry	Associate Professor	IETE
6.	A.Srinivasa Rao	Associate Professor	IETE
7.	T.Jagadeesh	Associate Professor	IETE
8.	Mr K Anjineylu	Associate Professor	IEEE
9.	Mrs.Nasreen	Assistant Professor	IETE
10.	K.Someswara Rao	Assistant Professor	AMIE
11.	Ch.Kamala Kumari	Assistant Professor	IETE
12.	V.Ajay Kumar	Assistant Professor	IETE

13.	N.Venkateswara Rao	Assistant Professor	IETE
14.	K.Saraswati	Assistant Professor	IETE
15.	Ch. Paparao	Assistant Professor	IAENG
16.	V. Anil Kmar	Assistant professor	IAENG

22. Student Projects

a) Percentage of students who have done in-house projects including inter-departmental/ Programme:

Year	Total Number of Students	Percentage
2015-2016	176	100%
2014-2015	128	100%
2013-2014	143	99.99%
2012-2013	118	100%
2011-2012	69	99.99%

b) Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/ other agencies: (Andhra University, DLRL)

Year	Total No. of Students	Attended Students	Percentage
2015-2016	176	00	0%
2014-2015	128	00	0%
2013-2014	143	02	0.01%
2012-2013	118	00	0%
2011-2012	69	01	0.01%

23. Awards/ Recognitions received by faculty and students Awards/ Recognitions received by faculty:

S No	Name of the faculty	Designation	Department	Details
1	Mr.M.V.Subba Rao	Asst.Prof	E.C.E	Received the best teacher award in the academic year 2012-13
2	Mr.T.Jagadeesh	Sr.Asst.Prof	E.C.E	Received the best teacher award in the academic year 2011-12
3	Mr.V.V.M.Krishna	Assoc.Prof	E.C.E	Received the best teacher award in the academic year 2009-10

Awards/ Recognitions received by Students:

S No	Name of the Student	Department	Academic Year	Details
1	T.Anji Reddy	ECE	2015-16	SELECTED FOR JNTUK KAKINADA FOR VOLLEYBALL
2	T.Akhila Divya Vani	ECE	2015-16	SELECTED FOR JNTUK KAKINADA FOR KHO-KHO
3	Venkata Pavani	ECE	2015-16	D-ZONE
4	D.Srikanth	ECE	2014-15	SELECTED FOR JNTUK KAKINADA FOR VOLLEYBALL

2011-12

S.NO	NAME OF THE STUDENT	ACADEMIC YEAR	EVENT NAME	EVENT VENUE	AWARD
1	M.Gopi Sumanth	2011-12	PPT	SBIS&T,KHAMMAM	FIRST
2	N.Rajeev	2011-12	PPT	SBIS&T,KHAMMAM	FIRST
3	S.Ravi Teja	2011-12	POSTER	SPOORTHY ENGG COLLEGE,HYD	SECOND
4	N.Rajeev	2011-12	CARTEL	AMARA INST OF TECH,NRT	SECOND
5	Ch.Priyanka	2011-12	PPT	A.M.REDDY ENGG. COLLEGE,NRT	SECOND
6	D.Sudha Rani	2011-12	PPT	A.M.REDDY ENGG. COLLEGE,NRT	SECOND
7	Ch.Priyanka	2011-12	PPT	R.V.R&J.C COLLEGE OF ENGG,GNT	FIRST
8	D.Sudha Rani	2011-12	PPT	R.V.R&J.C COLLEGE OF ENGG,GNT	FIRST
9	M.Phanindra Kumar	2011-12	KAMITE	SRI VASAVI GRAND	FIRST
10	M.Phanindra Kumar	2011-12	KATA	SRI VASAVI GRAND	THIRD

2012-13

S.NO	NAME OF THE STUDENT	ACADEMIC YEAR	EVENT NAME	EVENT VENUE	AWARD
1	G.Sahithi	2012-13	PPT	PRAKASAM ENGG COLLEGE	FIRST
2	P.Srilakshmi	2012-13	PPT	PRAKASAM ENGG COLLEGE	FIRST
3	Ch.Aswani	2012-13	POSTER	BAPATLA WOMEN'S ENGG. COLLEGE	SECOND
4	K.V.N.V Sri Koumudi	2012-13	POSTER	BAPATLA WOMEN'S ENGG. COLLEGE	SECOND
5	G.Anjaneyulu	2012-13	PROJECT EXPO	NALANDA GROUP OF INSTITUTIONS	SECOND
6.	P.Rama Krishna	2012-13	PROJECT EXPO	NALANDA GROUP OF INSTITUTIONS	SECOND
7.	N.Naresh	2012-13	PROJECT EXPO	NALANDA GROUP OF INSTITUTIONS	SECOND
8.	M.Vijaya Sai	2012-13	PROJECT EXPO	IIT MADRAS	SECOND
9	M.I.Bala Rami Reddy	2012-13	SHUTTLE BATMINTON	NALANDA GROUP OF INSTITUTIONS	SECOND

2013-14

S.NO	NAME OF THE STUDENT	ACADEMIC YEAR	EVENT NAME	EVENT VENUE	AWARD
1	S.Nagendra Babu	2013-14	KABADDI	KKR&KSR INST OF TECH & SCIENCES	SECOND
2	N.S.Mahesh	2013-14	KABADDI	KKR&KSR INST OF TECH & SCIENCES	SECOND
3	S.Nagendra Babu	2013-14	KABADDI	PACE INST OF TECH&SCIENCES	SECOND
4	N.S.Mahesh	2013-14	KABADDI	PACE INST OF TECH&SCIENCES	SECOND
5	N.S.Mahesh	2013-14	KABADDI	JNTUK,D-ZONE	SECOND
6	S.Nagendra	2013-14	KABADDI	JNTUK,D-ZONE	SECOND
7	D.Satish	2013-14	PPT	NEC,NRT	FIRST
8	N.Siva Krishna	2013-14	PPT	NEC,NRT	FIRST
9	R.Siva Linga Chari	2013-14	CIRCUTRIX	BAPATLA ENGG COLLEGE	FIRST
10	U.Yesu Ratnam	2013-14	CIRCUTRIX	BAPATLA ENGG COLLEGE	FIRST
11	M.Rajeswari	2013-14	CARTEL	AMARA INST. OF TECHNOLOGY	FIRST
12	M.Rajeswari	2013-14	PPT	AMARA INST. OF TECHNOLOGY	SECOND
13	M.Rajeswari	2013-14	PROJECT EXPO	AMARA INST. OF TECHNOLOGY	FIRST

14	M.Rajeswari	2013-14	POSTER PRESENTATION	NALANDA GROUP OF INSTITUTIONS	SECOND
15	M.Rajeswari	2013-14	PROJECT EXPO	E.V.M COLLEGE, NRT	SECOND
16	M.Rajeswari	2013-14	PPT	E.V.M COLLEGE, NRT	FIRST
17	M.Rajeswari	2013-14	PPT	K.L.University	FIRST
18	M.Rajeswari	2013-14	PROJECT EXPO	SIDDARTHA GROUP OF INSTS	FIRST

2014-15

S. NO	NAME OF THE STUDENT	ACADEMIC YEAR	EVENT NAME	EVENT VENUE	AWARD
1	M.Lavanya	2014-15	TABLE TENNIS	JNTUK BY SRI VASAVI ENGG COLLEGE	PARTICIPATION
2	M.Lavanya	2014-15	BADMINTON	JNTUK BY SRI VASAVI ENGG COLLEGE	PARTICIPATION
3	K.Bhagya Sri	2014-15	POSTER PRESENTATION	NALANDA GROUP OF INSTS	PARTICIPATION
4	D.Lakshman	2014-15	VOLLEY BALL	SMCE	SECOND
5	D.Lakshmi Narayana	2014-15	KABADDI	KKR&KSR INST OF TECH & SCIENCES	PARTICIPATION
6	K.Bhagya Sri	2014-15	PPT	NALANDA GROUP OF INSTS	PARTICIPATION

7	B.Alekya	2014-15	PROTO SPARK	R.V.R&J.C ENGG COLLEGE	PARTICIPATION
8	B.Thriveni	2014-15	PPT	NALANDA GROUP OF INSTS	PARTICIPATION
9	B.Thriveni	2014-15	POSTER PRESENTATION	NALANDA GROUP OF INSTS	PARTICIPATION
10	P.Sai Teja	2014-15	TABLE TENNIS	JNTUK	RUNNERS
11	P.Sai Teja	2014-15	BRAINIOCS	R.V.R&J.C ENGG COLLEGE	PARTICIPATION
12	Y.Priyanka	2014-15	PPT	KKR&KSR INST OF TECH & SCIENCES	PARTICIPATION
13	V.Lakshmi Teja	2014-15	PPT	KKR&KSR INST OF TECH & SCIENCES	PARTICIPATION
14	P.Sai Teja	2014-15	PPT	K.L.University	PARTICIPATION
15	S.Navaab John	2014-15	PPT	K.L.University	PARTICIPATION

2015-16

S.NO	NAME OF THE STUDENT	ACADEMIC YEAR	EVENT NAME	EVENT VENUE	AWARD
1	N.Leela Krishna Sai	2015-16	PPT	DHANEKULA INST OF ENGG & TECH	FIRST
2	M.Lavanya	2015-16	WORK SHOP	PSCMR COLLEGE OF ENGG & TECH, VIJAYAWADA	PARTICIPATION
3	M.Anusha	2015-16	WORK SHOP	PSCMR COLLEGE OF ENGG & TECH, VIJAYAWADA	PARTICIPATION
4	M.Gayathri	2015-16	INTERNATIONAL CONFERENCE	MALLA REDDY ENGG. COLLEGE	PARTICIPATION
5	G.Manoj Kumar	2015-16	BRAINIOCS	R.V.R&J.C ENGG COLLEGE	PARTICIPATION
6	J.Ankamma Chowdary	2015-16	ILLUMINATION	R.V.R&J.C ENGG COLLEGE	PARTICIPATION
7	M.Srivastva	2015-16	PPT	NEC,NRT	PARTICIPATION
8	M.Srivastva	2015-16	PPT	ESWAR COLLEGE OF ENGG.,NRT	PARTICIPATION
9	N.Leela Krishna Sai	2015-16	PPT	NEC,NRT	PARTICIPATION
10	V.Nanda Deep	2015-16	POSTER PRESENTATION	IIT KHARAGPUR	PARTICIPATION
11	N.Pothu Raju	2015-16	WORKSHOP	PSCMR COLLEGE OF ENGG & TECH, VIJAYAWADA	PARTICIPATION
12	B.Alekya	2015-16	INTERNATIONAL CONFERENCE	MALLA REDDY ENGG. COLLEGE	PARTICIPATION

13	D.Lakshmi Narayana	2015-16	CRICKET	CHALAPATHI INST OF TECH	FIRST
14	G.Aditya	2015-16	CRICKET	CHALAPATHI INST OF TECH	FIRST
15	J.L.Bhagya Raja	2015-16	CRICKET	CHALAPATHI INST OF TECH	FIRST
16	T.Anji Reddy	2015-16	CRICKET	CHALAPATHI INST OF TECH	FIRST
17	B.Sai Bhargavi	2015-16	INTERNATIONAL CONFERENCE	MALLA REDDY ENGG. COLLEGE	PARTICIPATION
18	P.Yogeswara Rao	2015-16	INTERNATIONAL CONFERENCE	MALLA REDDY ENGG. COLLEGE	PARTICIPATION
19	Ch.Mahesh Reddy	2015-16	PROJECT EXPO	NIT,NRT	FIRST
20	G.Harish	2015-16	PROJECT EXPO	NIT,NRT	FIRST
21	D.Drona Akshay Kumar	2015-16	PROJECT EXPO	NIT,NRT	FIRST
22	G.Vasu	2015-16	PROJECT EXPO	NIT,NRT	FIRST

24. List of eminent academicians and scientists/ visitors to the department.

S.NO	Date	Resource Persons	Organization/Institution
1	26-3-2011	Ramanjaneyulu	District Collector,Guntur
2	29-09-2011	Dr.G.S.N.Raju	Andhra University
3	29-09-2011	M.Murali Krishna	Jytra Engineering Services
4	29-09-2011	Dr.K.Padmaraju	Jntu Kakinada
5	30-09-2011	Dr.T.Hanuman Chowdary	Pragna Bharathi
6	30-09-2011	Dr.Hari Gopal	Institute of advanced Management education and enterprenurship
7	30-09-2011	V.Ravi Mantha	S V Lead & Strategy
8	30-09-2011	V.Anil Bharadwaj	Alliance E-Billing Solutions Pvt.Ltd
9	30-06-2011	Dr.T.Kishore Kumar	Nit,Warangal
10	13-01-2011	Dr.A.Sudhakar	RVR&JC College
11	12-4-2012	Dr.Tulasi Ram Das	Vice Chancellor ,Jntu Kakinada
12	12-4-2012	Dr.Garikapati Narasimharao	Maha Sahsravadhani
13	18-08-2012	Dr.Swamy	Gudlavalleru Engg.College
14	22-12-2012	Ch.Bala Subramanyam	TCS
15	16-11-2013	Dr.E.V.V.Prasad	Jntu Kakinada
16	18-03-2014	Sastry Varansi	TCS
17	24-4-2014	Dr.S.Siva Reddy	LITAM ,Sattenapalli
18	27-3-2015	Dr.B.Prabhakar Rao	I/C Registrar,Jntu Kakinada
19	27-3-2015	M.L.Narasimharao	G.M, Telecom,Guntur
20	27-3-2015	Ch.Sridhar	Joint Collector, Guntur
21	15-4-2015	Dr.Padmaja	V.R.Siddardha Engg College
22	12-3-2016	Dr.P.Udaya Bhaskar	Chairman,APPSC

25. Seminars/ Conferences/Workshops organized & the source of funding:

Department of ECE					
2015-16					
S.No	Workshop/ Guest lecture	Topic	Resource Person	Date	Source of funding
1.	Workshop	PCB Design	Mr.G.Karthik Indo Global Services	04-03-16 05-03-16	TEC
2.	FDP	Instructional Design & Delivery Systems	Dr.Mukhopadhyaya Dr.C.R.Nagendra Rao Dr.Shiva Kumar NITTTR,Chennai	29-02-16 to 05-03-16	TEC
3.	Guest Lecture	Bio-Medical Engineering	Mr.N.V.N.K.Suresh Kumar,Ph.D Scholar Andhra University	06-01-16	TEC
4.	Guest Lecture	Applied Electromagnetics	Dr.Y.V Narayana Principal,TEC	28-11-15	TEC
5.	Guest Lecture	Embedded System Designing	V.Govinda Rao ,MD Microlink Peripherals Controls Pvt.Ltd	24-09-15	TEC
6.	Workshop	Android & Application Development	Mr.K.Anjul Sharma Mr.G.Manish Pandey Geekslab Technologies Pvt.Ltd	01-08-15 02-08-15	TEC
7.	Guest Lecture	Employment & Employability	Mr.M.R.K Murty	28-12-15	TEC

			CEO		
8.	FDP	MATLAB & SIMULINK	Mr.G.Prem Kumar Capricot Technologies	26-06-15 27-06-15	TEC
2014-15					
1.	Guest Lecture	Advances in Microprocessor & Microcontrollers	Dr.Padmaja,Professor V.R Siddhartha Engineering College	07-04-15	TEC
2.	Guest Lecture	Digital IC Application using HDL	Dr.M.Mahesh MITS, Madanapalli	02-03-15	TEC
3.	Workshop	Basic Electronics	R.L.Ravichandran Netaji Institute of Technology, Nalgonda	07-01-15 08-01-15	TEC
4.	Guest Lecture	Embedded Systems	Mr.Gopi Krishna Assoc.Professor,RGM, Nandyal	15-12-14	TEC
5.	Guest Lecture	GATE Orientation	Dr.Y.V Narayana Principal,TEC	25-11-14	TEC
6.	Seminar	Idea on GRE	Phonix Services	13-08-14	TEC
7.	Workshop	PCB Design	Mr.G.Karthik Indo Global Services	27-06-14 28-06-14	TEC
8.	FDP	VLSI & FPGA	Mr G.Thomas Reddy St.Peters Engineering College,Hyderabad	16-06-14 17-06-14	TEC
2013-14					

S.No	Workshop/Guest lecture	Topic	Resource Person	Date	Source of funding
1.	Workshop	Accelerobotix	Mr.Amit Saxena, Technopllia Pvt.Ltd.Banglore	18-03-14 19-03-14	TEC
2.	Guest Lecture	Cognitive Radio(Communications)	Mr.G.N.Kodanda Ramaiah Kuppam Engineering College,kuppam	13-03-14	TEC
3.	Guest Lecture	Signal Processing	N.Vishwanadth St.Peters Engineering College,Hyderabad	21-01-14	TEC
4.	Seminar	Motivation on Personality Development	Dr.B.V Pattabhiram, Psychologist	18-09-13	TEC
5.	Guest Lecture	Nano Electronics	Mr.Prakash Kodali Research Scholar, IISC Bangalore	23-07-13	TEC
6.	Workshop	PCB Design	Mr.G.Karthik Indo Global Services	06-07-13 07-07-13	TEC
7.	Guest Lecture	Automatic Speaker Recognition: Theory & Demo	Dr.V.Anil Kumar IIITH,Hyderabad	04-07-13	TEC
2012-13					
1.	Workshop	Microprocessor & Micro Controllers	Mr.P.Abbaiah Veena College of Tech	13-02-13 14-02-13	TEC

			& Sci		
2.	Guest Lecture	Low Power VLSI Design	Dr.M.Kama Raju Professor & HOD Gudlalleru Engineering College, Gudlalleru	06-02-13	TEC
3.	Seminar	E-Learning	Dr.Ramana Reddy,RGM Nandyal	04-01-13	TEC
4.	Guest Lecture	Industrial Automation Embedded Systems	E.Venkata Ramana General Manager,B.D.M	11-12-12	TEC
5.	Guest Lecture	Success	Dr.M.Ramana Rao Shiva Shivani Institute of Management,Hyderaba d	06-10-12	TEC
6.	Workshop	Robotics	Mr.Amit Saxena, Technopllia Pvt.Ltd.Banglore	03-10-12 04-10-12	TEC
7.	Guest Lecture	Challenges to Electronic Engineers in present Technological Dept.	Dr.T.Ranga Babu RVRJC College of Engineering Guntur	13-09-12	TEC
8.	Seminar	Image Processing	P.Sudhakar Reddy SKIST,kalahasti	23-08-12	TEC
9.	FDP	Image Processing	Mr.Y .Murali Mohan	20-06-13	TEC

			Babu Mr.P.V.Narayana Reddy	to 22-06-13	
2011-12					
S.No	Workshop/Guest lecture	Topic	Resource Person	Date	Source of Funding
1.	Guest Lecture	Android Development	Mr.K.Arvin Babu Uclid IT Schools,Hyderabad	15-02-12	TEC
2.	Seminar	Wireless Sensors & Networks	D.Hari Babu,Nobal College of Engg. & Tech. for women	28-12-11	TEC
3.	Workshop	Embedded Systems & RTOS	N.Venkateshwara Rao SRTIST,Nalagonda	10-10-11 11-10-11	TEC
4.	Guest Lecture	Advances in Signal Processing	Dr.T.Kishore Kumar NIT,Warangal	30-06-11	TEC
5.	FDP	Personal and professional Excellence vis-a-vis language & literature	Mrs.G.Narasimha Rao Dr.MC das Dr .P. Radha Krishna Murthy L.Satyanarayana	03-06-11 to 04-06-11	TEC

26. Student profile programme/course wise:

Name of the Course/ programme	Students admitted	No of students completed in 4 years	Degree Awarded	Pass Percentage
B.Tech (ECE) 2011-15	143	128	111	86.71
B.Tech (ECE) 2010-14	144	143	118	82.51

B.Tech (ECE) 2009-13	130	118	110	93.22
B.Tech (ECE) 2008-12	72	69	59	85.50

27. Diversity of Students:

Name of the Course: Electronics and Communication Engineering

Course	B.Tech.
% of students from the same state	100
% of students from other States	Nil
% of students from abroad	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc?

S. No	Event	2015-16	2014-15	2013-14	2012-13	2011-12
1	CAT		-----	-----	-----	-----
2	GATE	05	02	02	03	03
3	GRE/ TOEFL/ IELTS	15	10	08	08	05

29. a) Student progression

Student progression	%			
	2011-2015	2010-2014	2009-2013	2008-2012
Academic Year				
UG to PG	23.43	11.88	22.03	24.63
PG to M.Phil.	----	----	----	----
PG to Ph.D.	----	----	----	1.44
Employed				
Campus selection(CS)	87.5	16.08	21.18	5.79
Other than campus recruitment				

b) Campus selection

Academic Year	Total No. Of Students Admitted	No. of Eligible Students	No. of Students got Placement
2012-2016	178	176	38
2011-2015	143	128	148
2010-2014	144	143	26
2009-2013	130	118	67
2008-2012	72	69	33

Other than campus recruitment Entrepreneurship/Self-employment:

30. Details of Infrastructural facilities

- a) Library-
 - 1) One PC With internet connection
 - 2) Number of titles:140
 - 3) Number of volumes:140
- b) Internet facilities for Staff & Students: 36 PC s with LAN connection.
- c) Facility is available in Department's Seminar Hall with a Seating Capacity of 250 & Area 250 Sq-Mt
- d) Laboratories

S. NO	NAME OF THE LABORATORY	YEAR/ SEMISTER	LOCATION	BUILT-UP AREA	NO.OF STUDENTS ALLOTTED /SESSION	EQUIPMENT COST
	EDC & ECA LAB	2/1 & 2/2	303	150sq-m	36	4,63,729/-
2	AC LAB	2/2	321	150sq-m	36	4,84,857/-
3	PDC LAB	3/1	304	100sq-m	36	4,88,775/-
4	ICA LAB	3/1	323	150sq-m	36	3,99,395/-
5	DSD & DICA LAB	3/1	323	150sq-m	36	60,150/-
6	MP & MC LAB	3/2	322	150sq-m	36	1,58,891/-
7	DC LAB	3/2	321	150sq-m	36	2,72,690/-
8	DSP LAB	3/2	324	100sq-m	36	8,28,701/-
9	MW & OC LAB	4/1	322	150sq-m	36	6,54,756/-
10	SIMULATION LAB	4/1	324	100Sq-m	36	17,95,074/- -
				GRAND TOTAL		56,07,018/- -

e)Class Rooms

S. No	Room Description	Usage	Shared/ Exclusive	Capacity (Sq.meters)
1	LH-306	ClassRoom for IV ECE-A	Exclusive	99.36
2	LH-307	Class Room for IV ECE-B	Exclusive	99.36
3	LH-309	Class Room for IV ECE-C	Exclusive	99.36
4	LH-311	Class Room for II ECE-C	Exclusive	99.36
5	LH-313B	Class Room for II ECE-B	Exclusive	99.36
6	LH-315	Class Room for II ECE-A	Exclusive	150
7	LH-316	Class Room for III ECE-C	Exclusive	99.36
8	LH-319	Class Room for III ECE-B	Exclusive	99.36
9	LH-320	Class Room for III ECE-A	Exclusive	99.36

31. Number of students receiving financial assistance from college, university, government or other agencies (Prime minister, state govt., ECIL, BSNL, BIE, APSRTC, CBSE, ING Vysya Bank scholarships)

(a) **The government of Andhra Pradesh is providing financial Assistance under fee reimbursement scheme.**

The following table shows details of students eligible for this scheme in last five academic years.

YEAR	BRANCH	OC	BC	BC-E	SC	ST	Total
2015-16	ECE	84	18	15	1	1	119
2014-15		85	20	7	1	0	113
2013-14		79	21	13	2	1	116
2012-13		80	26	5	4	0	115
2011-12		28	19	5	15	2	69

(b) **Financial Assistance by Management**

The College Management is Magnanimous to Provide Merit Scholarships worth of 2 lacks for each Year top 10 Students during the academic years 2008-09 to 2011-12, also concession in bus fee and tuition fee for poor students and rejoined students are benifited.

32.Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

IETE Events List

S.I. No	Event Name	Year	Date	National/ International	Source of funding	Title	Resource Person
1.	Work shops	2015-16	1/8/15 to 2/8/15	National	TEC	Android & Application Development	Mr.K.Anjul Sharma, Mr.G Manish Pandey
		2014-15	27/06/14 to 28/06/14	National	TEC	PCB Design	Mr.G Karthik
		2013-14	6/7/13 to 7/7/14	National	TEC	PCB Design	Mr.G Karthik
			18/03/14 to 19/03/14	National	TEC	Accelerobotics	Mr.V.Anil Kumar

		2011-12	03/10/12 to 04/10/12	National	TEC	Robotics	Robotics Team
2	Guest Lecture s/ Semina rs	2015-16	6/1/16	National	TEC	Biomedical Instrumentat ion Engineering	Mr.N.V.N.K Suresh Kumar
			28/12/15	National	TEC	Employment & Employabilit y	Mr.M.R.K Murty
			24/9/15	National	TEC	Embedded Systems	Mr.V. Govinda Rao
		2014-15	7/4/15	National	TEC	Advances in Microproces sor & Microcontro llers	Dr.Padmaja
			25/11/15	National	TEC	Gate Orientation	Dr.Y.V. Narayana
			30/7/14	National	TEC	Overseas Placement [In Malaysia]	Mr.Rahul Gangaraju
		2013-14	23/7/13	National	TEC	Nano Electronics	Mr.Prakash Kodali
			4/7/13	National	TEC	Automatic Speaker Recognition: Theory&De mo	Dr.V.Anil Kumar
		2012-13	6/2/13	National	TEC	Low Power VLSI Design	Dr.M kama Raju
			11/12/12	National	TEC	Industrial Automation Embedded Systems	Mr.E Venkata Ramana
			6/10/12	National	TEC	Success	Dr.S Ramana Rao
			13/9/12	National	TEC	Challenges to Electronic Engineers in Present	Dr.T Ranga Babu

						Technological Development	
		2011-12	30/6/2011	National	TEC	Advances in Signal Processing	Dr.T Kishore Kumar

33. Teaching methods adopted to improve student learning

- Power Point Presentation lectures are used for some topics.(Chalk and talk, Power Point Presentation & Video lecturers are used)
- Remedial classes are conducting for weak students & as well as difficult subjects.
- NPTEL and DELNET lectures are used.
- Simulations software is used for selected topics/subjects (ex: 8086 emulator for 8086 and edsim-51 for 8051 simulator).
- Seminars are conducted by students regularly on selected topics & latest technology.
- Guest Lectures have been conducting by Industrial experts and subjects expert from reputed academicians.
- Few training programming conducted and Industrial visits have been organized.
- Teaching and Learning Process Program Conducted by NITTTR Chennai.

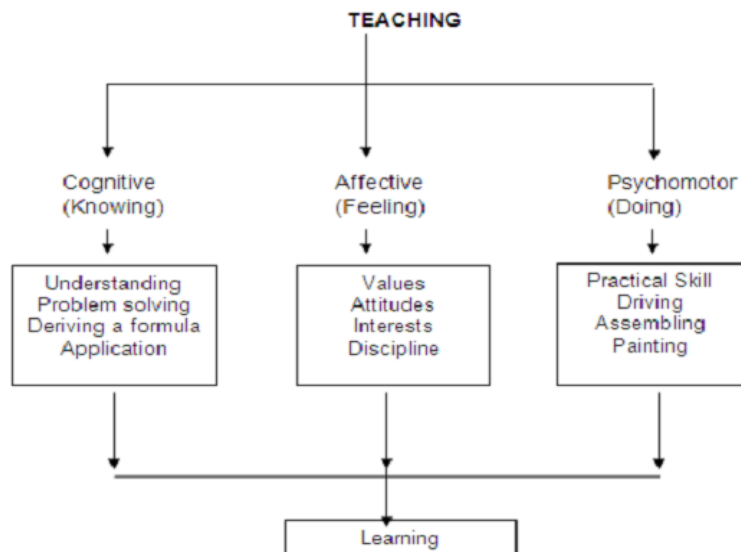


Fig: Relationship between teaching and learning

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The students of ECE department participated in EYE camps, Blood Donation

Camps, donating cloths to flood victims at the institute level.

Reinforcing down to earth experience for understudies in colleges is vital to move social obligation from hypothetical base to viable change.

The Institution promotes practical experience for students to move social responsibility from theoretical foundation to practical applications. The Institution aims at development of students and transforming them into responsible citizens with moral values. The Institution organizes career guidance program to create awareness among the school students for choosing their career oriented courses after completing the school education. The Institute has NSS Unit admitted for regular social service and organizes several social service and community development programs which provide social responsibility in the minds of students. NSS Unit of the college organizes a seminar on -Anti ragging every year. Red Ribbon programe consists of student volunteers who create awareness on HIV/AIDS in surrounding villages.

NSS Unit organizes a Special camp every year for 7-10 days in nearby adopted village covering issues like health education, literacy, traffic awareness etc to the village people. Career & Guidance Cell of the college creates self-confidence to the students. The cell interacts frequently with students and clear the doubts related to academic and career oriented matters of the students.

Developing technical, technological and professional competency needed for employment and productive work. Creation and dissemination of new knowledge and insight in entrepreneurial theory and practice. Developing leadership quality among the students and unemployed youth Health awareness camp, Blood Donation Camps and literacy programs. The institute is conscious of its role in campus community connection, well being of its neighborhood and has initiated a number of community development activities. These activities include:

• **Future Plans of the Department:**

The Department has set the following goals to be achieved in the near future:

1. Research oriented teaching to provide technical know-how to students
2. To start specific Skill Oriented courses for benefitting the social needs
3. More interaction with industries to design courses to cater to the need of society
4. Formulation of faculty research group to function as a consultant to industries and other institutions.

35. SWOC analysis of the department and Future plans**STRENGTHS:**

1. Good resources for academic and research work.
2. The department has major asset in the form of Principal.
3. Principal and Faculty members always strive to uplift students in all aspects.
4. The management is supporting faculty members by sponsoring to attend workshops, seminars and conferences.
5. All labs are well equipped.

WEAKNESSES:

1. R&D work need to be improved.
2. More number of students for intern ships.

OPPORTUNITIES:

1. To conduct workshops, Faculty Development Program and National & International conferences
2. To organize guest lectures by experts from industries, institutions and R & D organizations
3. Scope for strengthening of laboratories
4. IEEE access to update skills of both students and staff
5. Faculty Development Programs

CHALLENGES:

1. To produce quality and industry ready engineers.

FUTURE PLAN:

1. To initiate new Techniques in developing the students to face modern methods of Personality Tests and Interviews.
2. To organize workshops and seminars by experts from IIT's & IIIT's
3. To improve placements by choosing bright students and train them from second year

Evaluative Report of the Department of Electrical & Electronics Engineering

1. **Name of the department:** Electrical & Electronics Engineering

2. **Year of Establishment:** 2008

3. **Names of Programmers / Courses offered:**

UG: B.Tech (Electrical & Electronics Engineering)

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

Sl.No	Course	Department
1	Pulse & Digital Circuits	ECE
2	Basic Electronic Devices & Circuits	ECE
3	Complex Variables & Statistical Methods	AS&H
4	Environmental Studies	AS&H
5	Managerial Economics and Financial Analysis	AS&H
6	Management Science	AS&H
7	Micro Processors and Micro Controllers Systems	ECE
8	Linear & Digital Integrated Circuits Applications	ECE
9	Fluid Mechanics & Hydraulic Machines	ME
10	IPR & Patents	AS&H
11	Computer Organization	ECE
12	OOPS through Java	CSE
13	Data Base & Management Systems	CSE
14	FM & HM Lab	ME
15	MPMC Lab	ECE
16	EDC Lab	ECE
17	English Communication Practice	AS&H

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

UG: Credit based Semester System with Electives in III and IV Years

6. Participation of the department in the courses offered by other departments (5T+2L)

Sl.No	Course	Departments offered
1	Electrical & Electronic Engineering	Civil (T)
2	Electrical Technology	ECE (T)
3	Networks & Electrical Technology Lab	ECE(L)
4	EEE Lab	ME (L)
5	Control Systems	ECE(T)
6	Network Analysis	ECE(T)
7	Electrical & Electronic Engineering	ME(T)

*T- Theory, *L-Lab

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

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

9. Number of teaching posts:

	Sanctioned	Filled
Professors	2	1
Associate Professors	4	11
Asst. Professors	18	10

10. Faculty profile with name, qualification, designation, specialization, (Ph.D. / M. Tech / . etc.,) (as on 23-03-2016)

S.N O	Name	Designation	Qualification	Specialization	No. of Years of Experience
1	Dr L.V. Narasimha rao	Professor	Ph.D	Power Systems	16 Y
2	Mr.G. Jaya Raju	Assoc.Prof	M.Tech	EPSM	11 Y
3	G.V.P.Anjaneyulu	Assoc.Prof	M.Tech (Ph.D)	C.C.I.P	10 Y
4	Abdul Kalam Shaik	Assoc.Prof	M.Tech	P&ID	10 Y
5	A. Ananda Kumar	Assoc.Prof	M.Tech (Ph.D)	PE&D	10 Y
6	K. Srinivas Reddy	Assoc.Prof	M.Tech (Ph.D)	VLSI	10 Y

7	P. Venkateswarlu	Assoc.Prof	M.E	Applied Electronics	8 Y
8	P.R.K. Chaitanya	Assoc.Prof	M.Tech	PS	6 Y
9	SK.Jakeer	Asst.prof	M.Tech	PE	3 Y
10	K.Gopikrishna	Asst.prof	M.Tech	PE	3 Y
11	R.Hothri	Asst.prof	M.Tech	PSE	4 Y
12	P. Naga Timmaiah	Asst.Prof	M.TECH	PED	1Y
13	M.V.Vijayalakshmi	Asst.prof	M.Tech	PED	1 Y
14	M.Naveen Kumar	Asst.prof	M.Tech	PEED	1 Y
15	B. Veerendra babu	Asst.prof	M.Tech	PID	1 Y
16	N. Satheesh Babu	Asst.prof	M.Tech	CCIP	1 Y
17	M. Krupakar	Asst.prof	M.Tech	I&C	1 Y
18	G.C. Prathap Reddy	Project Manager	M.Tech	CS	9 Y
19	Mr. S. Venkatewarulu	A.D.E	M. Tech	PS&A	15 Y
20	Mr. P. Ramu	A.D.E	M. Tech	PS&A	2 Y
21	Mr.N. Pitschaiah	D.E	M. Tech	PS	15 Y
22	Mr.Y. Yedukondal Rao	A.D.E	B. Tech	EEE	10 Y

11. List of senior visiting faculty Experts from Industries and Academia are invited for guest talk's periodically.

S.NO	VISITING FACULTY NAME	COLLEGE NAME
1	Dr.P.S.Raju	PROFESSOR,SV,UNIVERSITY
2	Dr.K.Chandra Sekhar	PROFESSOR & HOD, RVR&JC COLLEGE, GUNTUR
3	Dr. V. Raja Rao	PROFESSOR & HOD, ANITS, VISAKHAPATNAM
4	Dr. Narasimhulu	PROFESSOR & HOD V.R. SIDDARATHA ENG COLLEGE, VIJAYAWADA
5	Mr.V.Bhanu Murthy	SIEMENS,GERMANY

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

13. Student -Teacher Ratio (programme wise)

UG: B.Tech (EEE) 15:1

14. Number of academic support staff (technical) and administrative staff: Sanctioned/filled

Post	Sanctioned	Filled
Administrative Staff	02	02
Academic Support Staff (Technical)	03	03

15. Qualifications of teaching faculty with M.Tech-17 , Ph.d (pursuing) – 03 and Ph.D-01

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

17. Departmental projects funded by AICTE; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NO

19. **Publications:**

S.No	Year	No. of Faculty	Total No. of Publications
1	2015-2016	8	13
2	2014-2015	9	2
3	2013-2014	9	19
4	2012-2013	9	5
5	2011-2012	9	9

20. Areas of consultancy and income generated:

Year	Nature of Work	Agency Address &	Income generated (Rs.)
2013-14	Established 2KVA Solar Power Plant for street lighting	Tirumala Engineering College	2,00,000
2014-15	Led Display Board for Tirumala Engineering College	Tirumala Engineering College	3,00,000

2015-16	Led Display Board for Vijaya Lamp House	Vijaya Lamp House, Narasaraopet.	40,000
2015-16	Led display board for koppu ravuru paints	Koppu Ravuru paints, Narasaraopet.	60,000

21. Faculty as members in

- d) National committees : **NO**
 e) International Committees: **NO**
 f) Editorial Boards: **NO**

LIST OF FACULTY ENROLLED FOR VARIOUS MEMBERSHIPS

(DEPARTMENT OF EEE)

S.No	Name of the Staff	Designation	Membership in Professional Societies	Membership Number	Member in Editorial Board
1	Mr.Jaya Raju	Assoc.Prof	ISTE		-----
2	Mr.G.V.P.Anjaneyulu	Assoc.Prof	ISTE		-----
3	Mr. Abdul Kalam Shaik	Assoc.Prof	IEEE & ISTE	93365947 &	-----
4	Mr.SK.Jakeer	Asst.prof	IEEE	93341999	-----
5	P. Venkateswarlu	Assoc.Prof	ISTE		-----

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: **90%**
 b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: **10%**

23. Awards / Recognitions received by faculty and students

S No	Name of the faculty	Designation	Department	Details
1	Mr. K. GOPI KRISHNA	Asst.Prof	E.E.E	Received the Best Teacher Award in the academic year 2014-15

2	Mr.Sk. Abdul Kalam	Sr.Asst.Prof	E.E.E	Received the Best Teacher Award in the academic year 2013-14
3	Mr. G.V.Prasanna Anjaneyulu	Assoc. Prof	E.E.E	Received the Best Teacher Award in the academic year 2012-13
4	Mr. G.Jaya Raju	Asst. Prof	E.E.E	Received the Best Teacher Award in the academic year 2011-12

S.No	Name of the student	Academic Year/Batch	Name of the Award/ Recognition	Awarded By
1	Mr. J.S.R. Annmayya	2012-16	BEST STUDENT	TEC

2011-12

S.NO	NAME OF THE STUDENT	YEAR	EVENT NAME	EVENT VENUE	AWARD
1	K. Samba Siva Rao	2011-12	TECHNOZIANT	BAPTLA ENG COLLEGE	SECOND
2	K. Samba Siva Rao	2011-12	PPT	BAPTLA ENG COLLEGE	FIRST
3	P. Raja Sree	2011-12	PPT	BAPTLA ENG COLLEGE	FIRST

4	P. Samba Siva Rao	2011-12	PROJECT PRESENTATION	TEC, NRT	FIRST
5	Y. Tripura	2011-12	PROJECT PRESENTATION	TEC, NRT	FIRST
6	K.H. Santosh Kumar	2011-12	PROJECT PRESENTATION	TEC, NRT	FIRST
7	M. Naveen Kumar	2011-12	PROJECT PRESENTATION	TEC, NRT	FIRST

2012-13

SL.NO	NAME OF THE STUDENT	YEAR	EVENT NAME	EVENT VENUE	AWARD
1	K. Vedavathy	2012-13	PPT	VIGNANS NIRULA COLLEGE	FIRST
2	N. Surya Dephi	2012-13	PPT	VIGNANS NIRULA COLLEGE	FIRST
3	M.L. Ashok Kumar	2012-13	CREATIVE WRITING	K.L. UNIVERSITY	SECOND

2013-14

SL.NO	NAME OF THE STUDENT	YEAR	EVENT NAME	EVENT VENUE	AWARD
1	M. Sai Krishna	2013-14	PROJECT	TEC, NRT	FIRST
2	N. Surya Dephi	2013-14	PROJECT	TEC, NRT	FIRST
3	N. Dharma Teja	2013-14	PROJECT	CHALAATHI ENG & TECH, GNT	FIRST
4	A. Nageswara Rao	2013-14	PROJECT	CHALAATHI ENG & TECH, GNT	FIRST
5	P.Venkatesh	2013-14	PPT	AMARA ENG COLLEGE, NRT	FIRST
6	P.Bala Swamy	2013-14	PPT	AMARA ENG COLLEGE, NRT	FIRST

2014-15

S.NO	NAME OF THE STUDENT	YEAR	EVENT NAME	EVENT VENUE	AWARD
1	K. Raja Sekhar	2014-15	SAMYAK	K.L.UNIVERSITY	ACTIVE AMBASSDOR

2015-16

SL.NO	NAME OF THE STUDENT	YEAR	EVENT NAME	EVENT VENUE	AWARD
1	J.S.R. Annamayya	2015-16	PPT	SNIST, HYD	SECOND
2	J.S.R. Annamayya	2015-16	POSTER	SNIST, HYD	FIRST
3	J.S.R. Annamayya	2015-16	PPT	ESWAR COLLEGE OF ENGG, NRT	FIRST
4	J.S.R. Annamayya	2015-16	PPT	VISHNU INST OF TECH, BHIMAVAR AM	SECOND
5	J.S.R. Annamayya	2015-16	POSTER	KKR & KSR, GUNTUR	FIRST

6	J.S.R. Annamayya	2015-16	PPT	KHIT	FIRST
7	J.S.R. Annamayya	2015-16	PPT	BITS, HYD	CAMPUS AMBASSAD OR
8	J.S.R. Annamayya	2015-16	PPT	NRIIT, GUNTUR	FIRST
9	J.S.R. Annamayya	2015-16	PPT	LITAM, SATENPALL I	FIRST
10	J.S.R. Annamayya	2015-16	PPT	NEC, NRT	FIRST
11	J.S.R. Annamayya	2015-16	SPOT EVENTS	NEC, NRT	FIRST
12	J.S.R. Annamayya	2015-16	PPT	B.V. S.E.C, ONGOLE	FIRST
13	T.Sudhakar	2015-16	PROJECT	VRSEC, VIJAYAWA DA	FIRST
14	T. Venkateswara Rao	2015-16	PROJECT	VRSEC, VIJAYAWA DA	FIRST
15	A.D. Venkata Rajesh	2015-16	PROJECT	VRSEC, VIJAYAWA DA	FIRST
16	K. Venkateswarulu	2015-16	PROJECT	VRSEC, VIJAYAWA DA	FIRST
17	J.S.R. Annamayya	2015-16	PROJECT	VRSEC, VIJAYAWA DA	FIRST
17	J.S.R. Annamayya	2015-16	PPT	GUDLA VALERU ENG COLLEGE	SECOND
18	P. Ganga Bavani	2015-16	POSTER	RVR&JC, GUNTUR	FIRST
19	P. Manisha	2015-16	POSTER	RVR&JC, GUNTUR	FIRST
20	K. Chandra Sekhar	2015-16	POSTER	KKR&KSR,	FIRST

				GUNTUR	
20	K. Chandra Sekhar	2015-16	QUIZ	NALANDA GROUP, SATTENPALLI	SECOND
21	A.D. Venkata Rajesh	2015-16	IEEE CONF	ICEEOT, CHENNAI	PARTICIPATION
21	T. Sudhakar	2015-16	IEEE CONF	ICEEOT, CHENNAI	PARTICIPATION
21	K. Venkateswarulu	2015-16	IEEE CONF	ICEEOT, CHENNAI	PARTICIPATION
22	T. Venkateswararao	2015-16	IEEE CONF	ICEEOT, CHENNAI	PARTICIPATION

24. List of eminent academicians and scientists / visitors to the department

S.NO	Date	Resource Persons	Organization/Institution
1	26-3-2011	RAMANJANEYULU	District Collector, Guntur
2	29-09-2011	Dr.G.S.N.RAJU	ANDHRA UNIVERSITY
3	29-09-2011	M.MURALI KRISHNA	JYTRA ENGINEERING SERVICES
4	29-09-2011	Dr.K.PADMARAJU	JNTU KAKINADA
5	30-09-2011	Dr.T.HANUMAN CHOWDARY	PRAGNA BHARATHI
6	30-09-2011	Dr.HARI GOPAL	INSTITUTE OF ADVANCED MANAGEMENT EDUCATION AND ENTERPRENURSHIP
7	30-09-2011	V.RAVI MANTHA	S V LEAD & STRATEGY
8	30-09-2011	V.ANIL BHARADWAJ	ALLIANCE E-BILLING SOLUTIONS PVT.LTD
9	30-06-2011	Dr.T.KISHORE KUMAR	NIT, WARANGAL
10	13-01-2011	Dr.A.SUDHAKAR	RVR&JC COLLEGE
11	12-4-2012	Dr.TULASI RAM DAS	Vice chancellor ,JNTU Kakinada
12	12-4-2012	DR.GARIKAPATI NARASIMHARAO	MAHA SAHSAVADHANI
13	18-08-2012	Dr.SWAMY	GUDLAVALLERU ENGG.COLLEGE
14	22-12-2012	CH.BALA SUBRAMANYAM	TCS
15	16-11-2013	Dr.E.V.V.PRASAD	JNTU KAKINADA

16	18-03-2014	SASTRY VARANSI	TCS
17	24-4-2014	Dr.S.SIVA REDDY	LITAM ,Sattenapalli
18	27-3-2015	Dr.B.PRABHAKAR RAO	I/C Registrar,JNTU Kakinada
19	27-3-2015	M.L.NARASIMHARAO	G.M, Telecom,Guntur
20	27-3-2015	CH.SRIDHAR	Joint Collector, Guntur
21	15-4-2015	Dr.PADMAJA	V.R.SIDDARDHA ENGG COLLEGE
22	12-3-2016	DR.P.UDAYA BHASKAR	CHAIRMAN,APPSC

25. Seminars/ Conferences/Workshops organized & Funds & resources a) National b) International

Every year the department of EEE organizes a national level student technical symposium –for improving students projects & technical skills. The college management provides the major part of the fund required along with some local sponsors and department association.

Department of EEE					
2015-16					
S.No	Workshop/ Guest lecture	Topic	Resource Person	Date	Source of funding
1.	Guest Lecture	Future Opportunities of Electrical Engineering stream in Govt sector	Mr. E. Srinivasa Rao	16-05-16	TEC
2.	Guest Lecture	How to place ourself in Public Sectro unit	Mr. T. Chandra sekhar	15-03-16	TEC
3.	Workshop	PCB Design	Mr.G.Karthik Indo Global Services	04-03-16 05-03-16	TEC
4.	Guest Lecture	Novel Trends and Future Challenges in Electrical Engg	Mr. M. Koteswara Rao	01-03-16	TEC
5.	FDP	Instructional Design & Delivery Systems	Dr.Mukhopadhyaya Dr.C.R.Nagendra Rao Dr.Shiva Kumar NITTTR,Chennai	29-02-16 to 05-03-16	TEC
6.	Guest Lecture	Employment & Employibility	Mr.M.R.K Murty CEO	28-12-15	TEC
7.	FDP	MATLAB & SiMULINK	Mr.G.Prem Kumar Capricot Technologies	26-06-15 27-06-15	TEC

2014-15					
1.	Guest Lecture	Advances in Microprocessor & Microcontrollers	Dr.Padmaja,Professor V.R Siddhartha Engineering College	07-04-15	TEC
2.	Guest Lecture	Digital IC Application using HDL	Dr.M.Mahesh MITS,Madanapalli	02-03-15	TEC
3.	Guest Lecture	Gate Orientation	Dr.Y.V Narayana Principal,TEC	25-11-14	TEC
4.	Seminar	Idea on GRE	Phonix Services	13-08-14	TEC
5.	Guest Lecture	Generator Design and Scope of Electrical Engineer in Core Sector in side INDIA and Abroad	Mr. V. Bhanu Murthy	04-07-14	TEC
2013-14					
S.No	Workshop/Guest lecture	Topic	Resource Person	Date	SOURCE OF FUNDING
1.	Seminar	Fundamentals instrumentation Required for SOLAR PV Power plant application	Mr. N. Ram Chander Sr. Asst. Prof, B.V.R Institute of Technology, Narasarapur	21-01-14	TEC
2.	Guest Lecture	Power Electronic Converters & Applications	K. Bhavana Associate Professor	17-11-13	TEC
3.	Seminar	Motivation on Personality Development	Dr.B.V Pattabhiram, Psychologist	18-09-13	TEC
4.	Guest Lecture	Electromagnetic Theory & applications	Dr.Y.V Narayana Principal,TEC	13-08-13	TEC
5.	Workshop	PCB Design	Mr.G.Karthik Indo Global Services	06-07-13 & 07-07-13	TEC & TEC
2012-13					
1.	Guest Lecture	MATLAB & SIMULINK APP IN Electrical Engineering	K.M.S.N. KRISHNA K.L. UNIVERSTIY	08-03-13	TEC

2.	Seminar	Area of Power Quality using WAVELET Transform	B. JAYA LAKSHMI HOD & PROFESSOR JNTUH	27-02-13	TEC
3.	Workshop	Robotics	Mr.V.Anil Kumar, Technopllia Pvt.Ltd.Banglore	03-10-12 & 04-10-12	TEC
4.	Guest Lecture	Non Conventional Sources of Energy (WIND & SOLAR)	Y. Sreenivasa rao DVR & Dr. HS MIC COLLEGE OF TECH	29-09-12	TEC
2011-12					
1.	Guest Lecture	Energy Conservation	Mr. S. Ganapathi APGENCO	4-2-2011	TEC
2.	Seminar	Wireless Sensors & Networks	D.Hari Babu, Nobal College of Engg & Tech. for women	28-12-11	TEC
3.	Guest Lecture	POWER SYSTEM PROTECTION	Mr.N. Pitchaiah Div. Engineer, APSPDCL	21-12-11	TEC

26. Student profile programme/branch wise:

SL.NO	BATCH	NAME OF THE COURSE	SEATS AVAILABLE	SEATS FILLED	ENROLLED		PERCENTAGE
					%M	%F	
1	2008-12	EEE	60	55	82	18	86.56
2	2009-13	EEE	72	67	78	22	85.71
3	2010-14	EEE	72	64	49.12	50.87	96
4	2011-15	EEE	72	65	60	40	92
5	2012-16	EEE	72	60	40.74	59.25	71.66

27. Division of Students from State/Nation

SL.NO	BATCH	NAME OF THE COURSE	% OF STUDENTS FROM SAME STATE	% OF STUDENTS FROM OTHER STATE	% OF STUDENTS FROM ABROAD
1	2011-12	EEE	100	NIL	NIL
2	2012-13	EEE	100	NIL	NIL
3	2013-14	EEE	100	NIL	NIL
4	2014-15	EEE	100	NIL	NIL
5	2015-16	EEE	100	NIL	NIL

28. How many students have cleared national and state competitive examinations such as GRE, TOFEL, GATE etc.?

SL. NO	GATE	TOFEL	GRE
2008-12	4	4	4
2009-13	4	3	3
2010-14	2	4	4
2011-15	1	0	1
2012-16	1	0	--

29. Student progression

Branch	Progression	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
<i>EEE</i>	UG to PG	12	10	12	7	NA
	Employed through in Campus Selection	23	36	4	32	2
	Employed through off Campus Selection	0	0	0	0	1

30. Details of Infrastructural facilities

a) The department has a separate departmental library for the students of EEE for ready reference. It has 50 titles and can accommodate around 10 students at a time.

b) Internet facilities for Staff & Students

The department has excellent computational and support facilities in the form of local area network and computer center with a number of licensed and specialized software packages to meet the specific requirements.

It has net facility and WLAN connectivity provided by Bharat Sanchar Nigam Limited (BSNL). Wi-Fi enabled internet access also available.

c) Class rooms with LCD

One class room is equipped with LCD projector and Audio Systems and One separate LCD projector in department. Department also has provision of OHP facility.

d) Laboratories**Physical Labs:**

NAME OF THE LABORATORY	SHARED / EXCLUSIVE	ROOM NUMBER	FLOOR AREA Sq.m	NAME OF THE EQUIPMENT MACHINERY
ELECTRICAL MEASUREMENTS LAB	SHARED	222	200 Sq.FT	Ammeters (MI):0-10A
				0-2.5/5A
				0-5/10A
				Voltmeters (MI):0-300V
				0-300/600V
				0-
				75/150/300Vs
				1ph. Wattmeter, LPF:0-300V,10A
				0-
				300/600V,5/10A
				1ph. Wattmeter, UPF:0-300V,10A
				0-
300/600V,5/10A				
0-				
75/150V,1/5A				
Dynamometer Power Factor				

				Meter:
				Energy Meters
				Stop watch
				Rheostats: 350Ohms/1.2A
				29Ohms/4.1A
				50Ohms/5A
				1-Phase @10A Inductive Loads
				3-Phase @5A Inductive Loads
				CT-5/10/15/20A
				3-Phase,Phase Shifting Transformer
				Variacs: 1-Phase@10A
				3-Phase@10A
				Crompton DC Potentiometer
				Kelvin Double Bridge
				Schering Bridge
				Anderson Bridge
				LVDT
				Strain Trainer
MICROPROC ESSOR & MICROCONT ROLLERS LAB		221	200 Sq.ft	ESA 86/88E WITH BATTERY BACK UP, RPS
				ESA 51E WITH BATTERY BACK UP, RPS
				8259 STUDY CARD INTERFACE
				8279 STUDY CARD INTERFACE
				8255 STUDY CARD INTERFACE
				8251/53 STUDY CARD INTERFACE
				DUAL DAC INTERFACE MODULE
				PC KEYBOARDS

CONTROL SYSTEMS LAB	SHARED			LINEAR SYSTEM SIMULATOR KIT
				SYSNCHRO TRANSMITTER & RECIEVER KIT
				PID CONTROLLER KIT
				SEPARATELY EXCITED DC SERVO MOTOR
				PLC LINEAR SIMULATOR KIT
				LAG & LEAD COMPENSATION KIT
				PID BASED TEMPERATURE CONTROLLER KIT
				MAGNETIC AMPLIFIER KIT
				DC MOTOR- GENERATOR SET(0.5 HP,220 V)
				3 1/2 DIGIT DIGITAL MULTI METERS
POWER ELECTRONIC S LAB				SCIENTIFIC OSCILLOSCOPE
				STATIC CHAR OF SCR, MOS FET, IGBT
				GATE FIRING CIRCUITS - R& RC
				DC FIRING CIRCUIT
				UJT FIRING CIRCUIT

			SINGLE PHASE AC VOLTAGE REGULATOR
			R - LOAD (50 Ohms/2Amps)
			RL - LOAD (50 Ohms, 150mh/2Amps)
			SINGLE PHASE FULLY CONTROLLED BRIDGE CONVERTER
			SINGLE PHASE BRIDGE CONVERTER TRIGGERING KIT
			RHEOSTAT:150Ohms/5A
			INDUCTOR : 150mh/5A
			ISOLATION TRANSFORMER 1KVA WITH TAPPINGS
			FORCED COMMUTATION STUDY UNIT
			RHEOSTAT:50Ohms/2A
			DC JONES CHOPPER POWER KIT
			DC CHOPPER FIRING KIT
			RHEOSTAT:50Ohms/2A
			INDUCTOR : 150mh/2A
			REGULATED POWER SUPPLY
			PARALLEL INVERTER KIT
			RHEOSTAT:50Ohms/2A
			SINGLE PHASE CYCLOCONVERTER POWER KIT
			SINGLE PHASE CYCLOCONVERTER FIRING KIT
			RHEOSTAT:150Ohms/5A
			INDUCTOR : 150mh/5A
			CENTER TAPPED ISOLATION TRANSFORMER

			(1 KVA)
			SINGLE PHASE HALF CONTROLLED BRIDGE CONVERTER POWER KIT
			SINGLE PHASE CONTROLLED BRIDGE CONVERTER FIRING KIT
			RHEOSTAT:150Ohms/5A
			INDUCTOR : 150mh/5A
			ISOLATION TRANSFORMER 1KVA WITH TAPPINGS
			SINGLE PHASE DUAL CONVERTER POWER KIT
			SINGLE PHASE DUAL CONVERTER FIRING KIT
			RHEOSTAT:150Ohms/5A
			INDUCTOR : 150mh/5A
			ISOLATION TRANSFORMER 1KVA WITH TAPPINGS
			THREE PHASE HALF CONTROLLED BRIDGE CONVERTER POWER KIT
			THREE PHASE HALF CONTROLLED BRIDGE CONVERTER FIRING KIT
			THREE PHASE ISOLATION TRANSFORMER WITH TAPPINGS
			R - LOAD 5A INSTEPS OF 1A
			SINGLE PHASE MC-MURRAY INVERTER POWER KIT
			SINGLE PHASE MC-MURRAY INVERTER FIRING KIT
			RHEOSTAT:50Ohms/2A
			INDUCTOR : 50mh/2A

				SINGLE PHASE SERIES INVERTER POWER KIT
				RHEOSTAT:50Ohms/2A
				INDUCTOR : 50mh/2A
ELECTRICAL MACHINES-I LAB	SHARED	104	200 SQ.FT	BENN MAKE DC SHUNT MOTOR - 5HP/220V/1500 RPM COUPLED TO 3 KW/220V/1500 RPM DC SERIES GENERATOR COMPLETE WITH BASE PLATE, COUPLING & 3 POINT STARTER
				BENN MAKE DC SHUNT MOTOR - 5HP/220V/1500 RPM COUPLED TO 3 KW/220V/1500 RPM DC COMPOUND GENERATOR COMPLETE WITH BASE PLATE, COUPLING & 3 POINT STARTER
				BENN MAKE DC SERIES MOTOR - 5HP/220V/1500 RPM COUPLED TO 3 KW/220V/1500 RPM DC SERIES GENERATOR COMPLETE WITH BASE PLATE, COUPLING & 3 POINT STARTER
			BENN MAKE DC COMPOUND MOTOR - 5HP/220V/1500 RPM WITH MECHANICAL BRAKE DRUM LOADING ARRANGEMENT HAVING BELT, 2 No'S ROUND DIAL TYPE SPRING BALANCES AND BASE PLATE & 3 POINT STARTER	

			DC VOLT METERS : (0-150/300 V)
			(0-75/150 V)
			DC AMMETERS: (0-10/20 A)
			(0-1/2 A)
			STEAD MAKE RHEOSTATS : 350 Ohms/2 A
			50 Ohms/5 A
			370 Ohms/1.7 A
			1000 Ohms/1 A
			SINGLE PHASE LOADING RHEOSTATS : (0-20 A)
			(0-10 A)
			SPST SWITCH
			DPDT SWITCH
			TPDT SWITCH
			DPST SWITCH
			KIRLOSKAR MAKE 5HP,220 V, 1500 RPM FOOT MOUNTED TYPE DC SHUNT MOTOR
			MS BASE PLATE & MECHANICAL LOADING ARRANGEMENT
			3 POINT STARTER
			KIRLOSKAR MAKE 5HP,220 V, 1500 RPM DC SHUNT MOTOR COUPLED TO 5 HP, 220 V, 1500 RPM, DC SHUNT GENERATOR SET
			MS BASE PLATE + LOVE JOY FLEXIBLE COUPLING
			3 POINT STARTER

			<p>KIRLOSKAR MAKE 5HP,220 V, 1500 RPM DC SHUNT MOTOR COUPLED TO 3 PHASE, 415 V, 1500 RPM, 3.5 KVA ALTERNATOR (NON SAILENT TYPE)</p>
			<p>MS BASE PLATE + LOVE JOY FLEXIBLE COUPLING</p>
			<p>3 POINT STARTER</p>
			<p>ITL MAKE 3PHASE AIR COOLED RECTIFIER UNIT : (RATING OUTPUT VOLTAGE : DC 220 V, 100 Amps INPUT VOLTAGE 3 PHASE, 415 V, +/- 10 %, 50 HZ, +/- 5% OUTPUT REGULATION: +/- 1% AT 100% LOAD RIPPLE CONTENT : BETTER THAN 2% DUTY : CONTINUOUS LOAD TYPE WITH SHORT CIRCUIT, OVER VOLTAGE & OVER LOAD PROTECTIONS</p>
			<p>SINGLE PHASE LOADING RHEOSTATS SUITABLE FOR AC & DC 230 V IN STEPS : 5KW, 20A</p>
			<p>SINGLE PHASE LOADING RHEOSTATS SUITABLE FOR 415V/440V IN STEPS : 4.5 KW</p>
			<p>DC VOLT METERS : (30/60 V)</p>
			<p>(150/300 V)</p>
			<p>DC AMMETERS: (1/2 A)</p>
			<p>(2.5/5 A)</p>

ELECTRICAL MACHINES -II LAB				(5/10 A)
				(10/20 A)
				STEAD MAKE RHEOSTATS : 50 Ohms/25A
				100 Ohms/5 A
				360 Ohms/1.2 A
				DIGITAL HANDHELD CONTACT TYPE TACHOMETER RANGE 0.5 TO 19,999 RPM ACCURACY : 0.05 % +/- 1 DIGIT
				TWO IDENTICAL DC SHUNT MACHINES SET FOR HOPKINSONS TEST
				KIRLOSKAR MAKE THREE PHASE, 5 HP, 1500 RPM SQUIRRELCAGE INDUCTION MOTOR
				MS BASE PLATE & MECHANICAL LOADING ARRANGEMENT
				STAR DELTA STARTER
				SINGLE PHASE STEP DOWN TRANSFORMER : RATING 2 KVA 230 V/ 115 V AIR COOLED TYPE HOUSED IN A METTALIC BOX ALL TERMINALS BROUGHT OUT SIDE & TERMINATED ON BINDING POST TERMINALS
				AC VOLTMETERS : 15/30 V
				300/600 V
				AC AMMETERS : 1/2 A
2.5/5 A				

				5/10 A
				10/20 A
				LPF WATTMETERS : 150/300/600 V & 2.5/5 A
				UPF WATTMETERS : 150/300/600 V & 10/20 A
				SINGLE PHASE AIR COOLED AUTO TERANSFORMER : RATING 20A
				2 KVA SINGLE PHASE TRANSFORMER
				2 KVA SINGLE PHASE TRANSFORMER WITH TAPPINGS AT 50%, 86.6% & 100 % FOR SCOTT CONNECTION
				THREE PHASE 5 HP 1500 RPM INDUCTION MOTOR WITH MECHANICAL BRAKE DRUM LOADING ARRANGEMENT
				220V, 5HP, 1500 RPM DC SHUNT MOTOR COUPLED TO THREE PHASE 3 KVA 415V 1500 RPM SAILENT POLE ALTERNATOR
				THREE PHASE 5 HP, 415 V, 1500 RPM AUTO SYNCHRONOUS MOTOR WITH MECHANICAL BRAKE DRUM LOADING ARRANGEMENT
				SINGLE PHASE 2HP, 230 V, 1500 RPM CAPACITOR START RUN SQUIRRELCAGE INDUCTION MOTOR WITH

			MECHANICAL BRAKE DRUM LOADING ARRANGEMENT
			SINGLE PHASE AUTO TRANSFORMER 10 A
			THREE PHASE AUTO TRANSFORMER 8 A
			DC 3POINT STARTER
			STARTER PANNEL CUM EXCITATION UNIT
			AMMETERS: (1/2 A) MI
			(10/20 A) MI
			(2.5/5 A) MI
			(10/20 A) MC
			(1/2 A) MC
			(2.5/5 A) MC
			VOLTMETERS : (0-30 V) MI
			(300/600 V)
			MI
			(150/300 V)
			MI
			(30/60 V) MC
			(150/300 V)
			MC
			RHEOSTATS: 350Ohms/2A
			WATTMETERS: (150/300/600 V-10/20 A) UPF
			(75 V/ 10 A)
			UPF
			(150/300/600 V-2.5/5 A) LPF
			STAR DELTA STARTER
			DOL STARTER
			RESISTIVE LOADS (SINGLE PHASE)
			TPST SWITCH

				DPST SWITCH
				BOOSTER TRANSFORMER
ELECTRICAL CIRCUITS LAB & NETWORKS AND ELECTRICAL TECHNOLOG Y LAB	SHARED	222		DC POWER SUPPLY (VARIABLE) RATING : 0-30 V,2 A DUAL CHANNEL
				DIGITAL MULTIMETERS 3 1/2 DIGIT HANDLED
				DECADE RESISTANCE BOX IN 6 DECADES RANGE : 1 Ohm- 1 MEGA Ohm
				DECADE CAPACITANCE BOX IN 5 DECADES RANGE : 10PF-1MF
				DECADE INDUCTANCE BOX IN 5 DECADES RANGE : 10 mH - 1H
				CATHODE RAY OSCILLOSCOPE RANGE : 30 MHz
				SCIENTIFIC CALCULATOR
				FUNCTION GENERATORS RANGE : 3 MHz
				ANALOG DC AMMETERS RANGE : 0-500 Ma

S. No	Room Description	Usage	Shared/ Exclusive	Capacity (Sq.meters)
1	LH-216	Class Room for IV EEE	Exclusive	99.36
2	LH-217	Class Room for II EEE	Exclusive	49.68
3	LH-218	Class Room for III EEE	Exclusive	99.36

31. Number of students receiving financial assistance from college, university Government or other agencies:

S.NO	Category	2016-2015		2015-2014		2014-2013		2013-2012		2012-2011	
		No	%	No	%	No	%	No	%	No	%
1	SC	1+1	1.67	2+	4.16	4+5	4.16	8	13.33	8	13.33
2	ST	-	-	2	1.66	1	0.83	1+1	3.33	0	0
3	BC	5+3	6.67	3+8	9.16	11+3	11.66	8+6	23.33	21	35
4	EBC	21+3	20	17+7	20	40+3	35.83	34+1	58.33	22	36.67
5	Others	-	-	1	0.83	1	0.83	2+1	5	3	5

32. Details on student enrichment programmes (special lectures / workshops seminar) with external experts

S.No	Name of the Programme	Date	Resource Person
1	PCB Design	04/03/2016	Mr.G.Karthik, Indo Global Services Hyderabad
2	How to place our self in PSU's	30/03/2016	Mr.T. Chandra Sekhar, Section Engineer, South Central Railways
3	Future opportunities of Electrical Engineering Stream in Government Sector	15/03/2016	Mr.E.Srinivasarao, JTO, BSNL Guntur
4	Novel trends & Future challenges in Electrical Engineering	1/03/2016	Mr.M.Koteswara Rao, Scientist DRDL, Hyderabad
5	NITTR	29/02/2016	Dr. Nagendra Rao
6	Administration	27/03/2015	Dr.Chelukuri Sridhar, Joint Collector, Guntur(Dt)
7	Interactive Session with students for Managerial Skills in Industry	13/03/2015	Mr.D.Prasad, Managing Director, Jyotirmai Textiles

8	Generator Design & Scope of electrical Engineer in core sector Inside India & Abroad	4/07/2014	Mr.V.Bhanu Moorthy
9	Fundamentals instrumentation Required for SOLAR PV Power Plant application & Design of 100Kwp Power plant	21/01/2014	Mr.N.Rama Chander
10	Power Electronic Converters & Applications	17/11/2013	Mrs.K.Bhavana, Associate Professor, PVP Siddhardha College
11	Legal Awareness for Engineers	21/03/2013	Mr.J.Sathyanarayana, Superindent of Police Guntur
12	Clean NRT	21/03/2013	Mr.A.V. Veera Bhadra Rao,Municipal Commissioner,NRT
13	Ethics for Engineers	21/03/2013	Mr.P.Arun Babu,RDO & Sub Divisional Magistrate, NRT
14	MAT Lab & Simulink applications in Electrical Engineering	08/03/2013	Mr.K.M.S.N.Krishna
15	Non Conventional Sources of Energy (Hybrid Power Generation wind & Solar)	29/09/2012	Y.Sreenivasa Rao
16	General Awareness	12/04/2012	Mr.A.Ravi Chandra,SP ,Guntur
17	General Awareness	12/04/2012	Dr.Garikipati Narasimha Rao, Maha Sahasra avadhani
18	Energy Conservation	04/02/2011	Mr.S.Ganapathi
19	Legal Awareness	26/03/2011	Mr.B.RamaRao,Session Judge ,NRT
20	General Awareness	26/03/2011	Mr.Ramana Rao, Arjuna and Dronacharya Awardee

33. Teaching methods adopted to improve student skills:

- Effective teaching methods are applied to the entire teaching faculty by NITTR material.
- Effective student counseling.
- Class Monitoring Committees.
- Guest lectures by Academicians & Industrial Experts.
- Interaction with Alumni.
- Distribution of Course Handouts.
- Maintenance of course files.
- University results are critically analyzed and discussed at the faculty meeting. Follow-up actions are initiated.
- Add-on courses are conducted for the students of 3rd&4th years. Experiments
- Beyond prescribed syllabus are included for each Laboratory class.
- Special coaching classes for GATE/competitive examinations for students by the expertise faculty members of our department and experts from outside are conducted.
- Parents feedback is taken on academic performance of the students and teaching and learning in parents meeting which will be conducted once in every academic year for improving the student performance.
- Remedial classes are being conducted to slow learners for improving their academic performance.
- Medals and awards are constituted for attendance, best projects, academic results, GATE, Sports etc.
- Feedback on classroom teaching is being taken twice in a semester.
- Department conducts staff meetings for review of academics and other related works.
- A part from this we are following the teaching methods to improve the students learning:
 - Lecture Method
 - Brain storming Case Studies
 - Small Group Discussions
 - Mind-Map-Creates Clear Understanding of concept
 - Z to A approach – attempts to explain the application part of particular Concept first.

34. Participation in NSS and Extension activities:

Sl.no	Program Duration	Name of the Program	No. of Members Participated in NSS/ Way of Utilization Of Helping Hands
1	1 week (30-12-10 to 5-01-11)	NSS special program at JONNALAGADDA	10+15(STUDENTS)
2	1 week (3-2-12 to 9-2-12)	NSS special program at SATULURU	45+ 10 (staff)
3	1 week (28-2-13 to 6-3- 13)	NSS special program at SRKT COLONY, KESANUPALLI VILLAGE	50+03 (staff)
4	1 week (10-2-14 to 16-2- 14)	NSS special program at RANGAREDDY PALEM, JONNALAGADDA	50+2 (staff)
5	2011-12	Eye Camp Conducted	15+8(STAFF)
6	2012-13	Eye Camp Conducted	20+8(STAFF)
7	2013-14	Eye Camp Conducted	20+8(STAFF)
8	2014-15	Blood Donated Camp Conducted	35+5(STAFF)
9	2015-16	Blood Donated Camp Conducted	35+4(STAFF)
10	2011-12	Helping Hands (30,000/-)	For Kidney Operation (STUDENTS + ALL STAFF)
11	2013-14	Helping Hands (12,245/-)	DONATED TO POOR PEOPLE (STUDENTS + ALL STAFF)
12	2014-15	Helping Hands (28,375/-)	DONATED TO POOR PEOPLE (STUDENTS + ALL STAFF)
13	2014-15	Helping Hands (15,000/-)	Cyclone Affected at vizag (STUDENTS + ALL STAFF)
14	2015-16	Helping Hands (15,505/-)	DONATED TO POOR PEOPLE (STUDENTS + ALL STAFF)
15	2014-15	Helping Hands (13,000/-)	DONATED TO BLIND PEOPLE
16	2015-16	SWATCH BHARAT	8+25(STUDENTS)

17	2015-16	FACULTY RECREATION PROGRAMME AT SRISAILEM	8(STAFF)
18	2015-16	FACULTY RECREATION PROGRAMME AT NAGARJUNA SAGAR	8(STAFF)

35.SWOC Analysis

Strengths

- The department has dedicated faculty who always hardwork and inspires students to achieve their goals.
- The institute has been recognized as one of the best among all the colleges in the JNTUK
- Faculty and students are actively involved in professional bodies like IEEE, ELECTRET etc.
- A very strong student-faculty interaction creating a good academic and practical ambience.
- The department is well associated with the faculty of JNTUK of Engineering in all its academic matters.
- Students take active participation in the department and social activities.
- Students are encouraged to participate in co-curricular and extracurricular activities.
- Industrial back ground teaching staff
- The Institution is surrounded by lush green fields providing serene atmosphere.
- Continuous upgrading of infrastructure facilities and Teaching and learning Methodologies.
- Conducive atmosphere for the all round development of the students.
- Well equipped labs with modern equipment.

Weaknesses

- Lack of industries nearby.
- Poor communication skills of students at entry level due to rural back ground.
- Increase in the no of colleges.
- Less Scope for R&D and consultancy because of rural back ground.
- The department is accredited by NBA hence eligible for grant - in - aids by
- AICTE and other public sector agencies.
- Availability of qualified, experienced and trained faculty.

- Soft skills and related training by T&P Cell and association with alumni grabs the opportunities to raise the employability of the students.
- Continuous faculty development programmes at Institute.
- Scope for Industry Institute Interaction.

Constraints

- Because of more no. of Engineering Colleges quality of intake is poor, especially in rural Engineering Colleges (poor entry behavior of students).
- Lack of industries really.

Future Plans

To improve research activity in the department by communicating with industry people.

To reach to a stage where the department can independently get research projects.

- Planning for total college electricity with SOLAR SYSTEMS
- To establish centers of excellence in one or more thrust areas
- To enter into MOUs with reputed academic and Industrial organizations.
- To attain a level of five years accreditation.
- To achieve 90% and above result.
- To achieve 90% placements among eligible candidates through campus selections.

**EVALUTIVE REPORT OF THE DEPARTMENT OF MECHANICAL
ENGINEERING**

1. Name of the department : Mechanical
2. **Year of Establishment** : **2010**
3. Names of Programs/Courses offered : UG: B.Tech (Mechanical Engineering)

4. Names of Interdisciplinary courses and the departments/units involved:3 courses
The courses are Electrical & Electronics Engineering, Managerial Economics & Financial Analysis , S&H and MEMS are introduced to enhance the knowledge of the students in the interdisciplinary courses.

5. Annual/ semester/choice based credit system (programme wise)
B.Tech. (Mechanical Engineering) - Semester based credit System - Electives in Higher Semesters

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

S.no.	Programme	Courses offered by other departments
1	B.Tech	Thermal and hydro electric prime movers
2	B.Tech	Engineering mechanics
3	B.Tech	Engineering drawing

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

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

9. Number of Teaching posts

Designation	As per AICTE Norms	Existing Strength
Professors	2	1
Associate Professors	4	9
Asst. Professors	18	14

10. Faculty profile with name, qualification, designation, specialization, (As on 21.01.2016)

S.No	Name	Qualification	Designation	Specialization	Total work Experience	No. of Ph.D Students guided for the past Four years
1	Dr.K.RAGHURAM MOHAN REDDY	Ph.D	Professor	Surface engineering	18	Nil
2	Dr.B.Babu Rao	Ph.D	Associate professor	Composites	7	2
3	Mr.V.V.KONDAIAH	M.Tech (Ph.D)	Associate professor	Machine design	18	Nil
4	Mr.CH.RAJANIKUMAR	M.Tech (Ph.D)	Associate professor	Machine design	18	Nil
5	SK.Abdul Kadar Jilani	M.Tech (Ph.D)	Associate professor	R & A.C	13	Nil
6	Mr. M. BALAJI NAIK	M.Tech (Ph.D)	Assistant professor	Refrigeration and air conditioning	8	Nil
7	Mr . E.KALYAN	M.Tech	Assistant professor	CAD/CAM	7	Nil
8	Mr. SK.NASAR,	M.Tech	Assistant professor	Thermal engineering	5	Nil
9	Mr.SHAIK HUSSAIN AHAMAD	M.Tech	Assistant professor	Thermal engineering	2	Nil
10	Mr.K.NAGENDRA BABU	M.Tech	Assistant professor	Machine design	2	Nil
11	Mr.SRINIVAS ALLAM	M.Tech	Assistant professor	CAD/CAM	4	Nil

12	Mr.K.VENKATA SIVARAO	M.Tech	Assistant professor	Machine design	4	Nil
13	Mr.B.YEDUKONDALA RAO	M.Tech	Assistant professor	CAD/CAM	7	Nil
14	K.LAKSHMI	M.Tech	Assistant professor	R & A.C	2	Nil
15	Mr. Tata Rao	M.Tech	Assistant professor	Machine Design	1	Nil
16	Mr S.Naga RAju	M.Tech	Assistant professor	CAD/CAM	1	Nil
17	Mr.P.VIJAYA SAGAR	B.Tech	Assistant professor	Mechanical engineering	4	Nil
18	Uma Maheswara Rao	B.Tech	Assistant professor	Mechanical engineering	2	Nil
19	P.Vijaya Nirmala	B.Tech	Assistant professor	Mechanical engineering	0	Nil

Adjunct Faculty :

S.No	Name	Qualification	Designation	Organization	Ph.D Students guided
1	Mr C.V.Sriram	M.Tech	Managing Director	Perfect Industries, Vijayawada	NIL
2	M Satyanarayan	M.Tech	General Manager	Rain Calcining Ltd, Visakhapatnam	NIL
3	Mr.T.S.S. Ram Prasad	M.Tech	Deputy Manager	HPCL, Belgaum	NIL
4	Mr. V Amar	M.Tech	Program Manager	QUEST Bangalore	NIL
5	Mr V.Venkateswarlu	M.Tech	Branch Head	CADD Center, Vijayawada	NIL

11. LIST OF SENIOR VISITING FACULTY:

S.no	Faculty name
01	Dr V.V. Subba Rao, Professor Dept of Mechanical Engineering JNTUK.
02	Dr. R. Narasimha Rao, Associate.Prof. NIT, Warangal.

13. Student -Teacher Ratio (programme wise)

Courses	Student	Faculty	Ratio
UG	360	24	15:1

Faculty are involved in handling classes of first year UG programme.

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

	Sanctioned	Filled
Technical Staff	04	04
Administrative Staff	02	02

15. Qualifications of teaching faculty with/B.Tech/PG / Ph.D/.

No. of Faculty with Ph.D	No. of Faculty with PG (M.Tech)	No.of faculty with UG (B.Tech)
02	19	03

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL****18. Research Centre /facility recognized by the University : Research center is formed in this institute and official permission is awaited from JNTUK.**

Research Work carried out by Mr. V.V. Kondaiah, Associate Professor

Title: DESIGN AND FABRICATION OF ACTIVE MAGNETIC THRUST BEARING AND TESTING APPARATUS

Description: Active Magnetic Bearing (AMB's) are new generation bearings which eliminates physical contact between rotating shaft and housing. These are useful in typical areas like high temperature and high speed applications.

In this work a prototype of single acting magnetic thrust bearing (AMTB) is made to measure the attractive force between stator and rotor of the bearing. A testing apparatus is designed and fabricated to test the AMTB. It is found that lot of difference between theoretical force and actual force developed between stator and rotor has been observed. This work could be extended for double acting Active Magnetic Thrust Bearings and Hybrid magnetic bearings.

19. Publications:

Publication per faculty

FACULTY PUBLICATIONS

S.No	Year	No of Faculty	National/International Journal	National/International Conference	Total
1	2015-2016	4	2	5	7
2	2014-2015	2	1	1	2
3	2013-2014	2	1	1	2
4	2012-2013	2	1	1	2
5	2011-2012	2	1	1	2

20. Areas of consultancy and income generated:

S.no	Client	Duration	Area	Income generated in (Rs).	Faculty Involved
01	B.Tech students from various engineering colleges	2013-2014	Bio diesel testing's	8000	NASAR SHAIK
02	Die hard dies, India (p) limited Guntur.	2014-2015	CNC programming for manufacturing of dies	10000	G.ANIL KUMAR
03	Delta dies&Forgings, Vijayawada.	2015-2016	Die design using CAD	12000	Dr.KRR MOHAN REDDY

21. Faculty as members in

National committees/International Committees: Nil

Resource persons: 01

22. Student projects

1. Percentage of students who have done in-house projects including inter departmental / program : 95

2. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : 5

23. Awards / Recognitions received by faculty and students

Faculty :

Prizes won by students in various curricular /co-curricular and extra curricular activities:

1	Mr.T.Subba rao	III Prize in JNTUK central zone in the event Javelin-throw
2	Mr. D. Sreeharsha	Best project award in IIT Jodhpur
3	Mr.A.Bhargav	Played for JNTUK central zone in volleyball
4	Mr.M.Mahesh	Played for JNTUK ZONE-D in kho-kho
5	Mr.K.Krishna Chaitanya	Secured runner in the jntuk ZONE-D in Volley Ball during the year 2014-15.
6	Mr.K.Krishna Chaitanya & team	Played for sport carnival-2015 and stands at second place in cricket.
7	Mr.K.Krishna Chaitanya &team	Secured I place in state level sports competition held in Chalapathi institute of technology during the year 2016.
8	Mr. P.Afzal Khan	Received I Prize in PPT at Narasaraopeta Engineering College in the year2016

9	Mr. P.Afzal Khan	Received II Prize in PPT at KHIT,Guntur held in the year 2015.
10	Mr.P.Pavan Teja	Received I Prize in PPT at Narasaraopeta Engineering College held in the year 2016.
11	Mr.P.Pavan Teja	Received II Prize in PPT at KHIT,Guntur held in the year 2015.
12	Mr.P.Pavan Teja	Received II Prize in PPT at at Sai Tirumala Engineering college held in the year 2015.
13	Mr.P.Pavan Teja	Got I prize in the Spot Event (CAD) at Narasaraopeta Engineering College held in the year 2016.
14	Mr.P.Pavan Teja & Mr. P.Afzal Khan	Presented a paper on Mg. alloys in VIT , Chennai.
15	VVJ Prasad	Project Expo on Quad Bike at Tirumala Engineering College, Narasaraopet

24. List of eminent academicians and scientists / visitors to the department
Eminent academicians, scientists and experienced persons from industry visit the departments to give away guest lectures and seminars for the benefit of student community and also faculty.

Guest Lectures organized by Mechanical Engineering Department for the last 3 years

S. No.	Date	Name of the Speaker	Topic
1.	01/08/2011	Dr.B.Srinivasa Prasad	NC part programming
2.	23/07/2012	Mr.K.Krishna kishore ,Asst.Professor, ANU, Guntur.	Material science and Metallurgy
3.	28/08/2012	Dr.T.Hanumanth rao	Bio-diesel
4.	09/03/2013	Mr.D.Sreenivasulu	Design of Machine Members
5.	03/03/2013	Mr. D.Siva Reddy	Thermal Engineering
6.	24/02/2014	Dr.Rajesh Ghosh	Automobile Engineering
7.	13/10/2014	Dr.B.Srinivasa Prasad	CAD/CAM/CAE.

8.	28/02/2015	Dr.Satish Ben	Condition Monitoring.
9.	17/08/2015	Dr.Ravindra Kommineni	Smart materials
10.	05/02/2016	Dr.D.Siva Prasad	Composite Materials

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

S.NO.	Date	Name of the speaker	Topic	Funding agency
1.	18/07/2011 To 23/07/2011	Dr.K.N.S.Suman Dr . Madhusudhan Rao AU College of Engineering	An FDP On Advances in Manufacturing Methods.	
2.	28/10/2011 To 29/10/2011	Dr.D.Srinivas Principal KHIT, Guntur.	Workshop on Bio-diesel	
3.	21/11/2011	Dr. Krishna Mohana Rao Professor, Dept. of mech, JNTUH.	A Seminar on MEMS	
4.	24/09/2012	Dr.Janardhan Scientist-F,DRDO.	A Seminar on Honey Comb Structures	
5.	20/10/2012	Dr.S.Kamaluddin Professor Dept. of Mechanical Engg., GITAM UNIVERSITY	An FDP On Nano Technology	
6.	29/11/2012	Dr.Ravindra Kommineni Professor & HOD, Mechanical Department, RVR&JC, GUNTUR	Workshop on Smart materials	
7	22/12/2012	Dr.Hari Prasad.B Scientist-G Head of Advanced Metrology division,	A Seminar on Metrology for Defence.	

		HRDL, Hyderabad.		
8.	24/06/2013	Dr.D.Siva Prasad Dept. of Mechanical Engg., GITAM UNIVERSITY	A Seminar on Composite Materials	
9.	22/07/2013	Dr.Kalyan Kamal Scientist-F,DMRL, Hyderabad.	A Seminar on Powder Metallurgy	
10.	30/08/2013	Prof. K.Ramji Director, Board of Studies, Andhra University.	Workshop on Fracture Mechanics of composites	
11.	18/09/2013	Dr.R.NarasimhaRao Assoc. professor,NIT Warangal,	An FDP On Metal Forming	
12.	21/10/2013	Dr.V.Ganesan Dept. of Mechanical Engineering, IIT Madras.	Workshop on Advances in Internal Combustion Engines	
13.	30/11/2013	Dr.Sudeer Prem Kumar Prof. & Director of Academic Affairs, JNTUH.	A Seminar on Hybrid Vehicles	
14.	25/01/2014	Dr.N.Ravi Professor, Department of Mechanical Engineering, IIT Delhi.	An FDP On Sheet metal Forming.	
15.	18/03/2014	Dr. Moorthy Professor, Department of Metallurgy & Material Science Engineering, IISc	A Seminar on Advances in Materials and Processing.	

		Bangalore.		
16.	21/04/2014	Prof. Ch.Ratnam Principal, University college of Engineering for Women Andhra University.	Software for FEM Applications and analysis.	
17.	16/06/2014	Dr. Gupta, Professor,JNTUH ,Hyderabad.	Advanced Finite Element Methods.	
18.	22/09/2014	Prof. M.R.S.Satyanarayana HOD, Dept.of Mechanical Engineering GITAM.Visakhapatnam	Workshop on Condition Monitoring	
19.	17/11/2014	Dr.S.Kamaluddin Professor Dept. of Mechanical Engg., GITAM UNIVERSITY	A Seminar On Nano Technology.	
20.	27/02/2015 To 28/02/2015	Sri.A.V.S.Chari Associate Director. ,NSTL Vishakapatnam, Dr.V.V.Subba Rao Professor JNTUK	A Workshop On Recent Advances in Mechanical Engineering	
21.	30/03/2015	Dr.N.Ratna Prasad, Prof &H.O.D,Mechanical Engineering dept,VR Siddhartha Engineering College.	A Seminar on Recent advances in Composite materials.	
22.	17/06/2015	Prof. Ch.Ratnam Principal, University college of Engineering for women Andhra University.	A Seminar on FEM Applications	

23.	20/07/2015	Dr.Sudeer Prem Kumar Prof. & Director of Academic Affairs, JNTUH.	A Workshop on Hybrid Vehicles	
24	17/08/2015	Dr.Y.Ravi Kumar Asst.Prof. NIT, Warangal.	Rapid Prototyping	
25.	21/09/2015	Dr.B.Bala Krishna murthy Professor, V.R Siddhartah Engineering college, Vijayawada.	A Seminar on Advances in FEM.	
27.	14/12/2015	Dr.Ravindra Kommineni Professor & HOD, Mechanical Engineering Department, RVR&JC, Guntur	A Workshop on Smart materials	
28.	29/02/2016 To 05/03/2016	NITTTR, Chennai.	A FDP on Instructional design and delivery system.	
29	9/03/2016 To 10/03/2016	Dr V.V.Subba Rao, Professor Dept of Mechanical Engineering JNTUK E Srinivasa Reddy Professor and Dean, ANU.	A two day national level technical fest - Prayaga 2016 organized by Tirumala Engineering College	

26. Student profile programme/course wise:

Year	Name of the Course/programme (refer question no. 4)	Enrolled students including lateral entry	Enrolled		Pass percentage
			*M	*F	
2010-14	B.Tech (Mechanical)	65	61	4	89
2011-15		58	57	1	86
2012-16		*	NIL	NIL	NIL
2013-17		*			NIL

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Tech (Mechanical)	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the competitive examination	No. of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
GATE	--	--	--	--	--
GRE	--	--	--	--	--
TOEFL	--	--	--	--	--
DEFENCE SERVICES	1	-	-	-	-
CAT	--	--	--	--	--

29. Student progression

Student progression	Against % enrolled	
	2014-15	2013-14

UG to PG	11	5
PG to M.Phil.	N.A	N.A
PG to Ph.D.	N.A	N.A
Ph.D. to Post-Doctoral	N.A	N.A
Employed		
Campus selection	39	7
Other than campus recruitment	0	0
Entrepreneurship/Self-employment	N.A	N.A

30. Details of Infrastructural facilities

a) Library

➤ Total number of books in our department library: 50.

➤ Area is 100 Sq.feet.

b) Internet facilities for Staff & Students

Totally 3 systems with Wi-Fi connection are available in our department.

c) Class rooms with ICT facility

There are 3 LCDs in our department and the faculty are using them as a teaching aid for PPTs.

The department is also having an air-conditioned seminar hall

d) Laboratories

Curriculum lab Description	Exclusive use/ Shared?	Room No	Space / students	NO. of Experiments	Cost of Major Equipment
Workshop	For all branches	118	170 Sq.m / 30	10	1,21,673
Mechanics of solids	Mechanical, Civil	125	200Sq.m / 30	10	5,93,910
Production Technology	Mechanical	123	162 Sq.m / 30	12	3,42,900
Metallurgy lab	Mechanical	122	162 Sq.m / 30	10	2,62,332
Heat transfer lab	Mechanical (Exclusive)	124	150 Sq.m / 30	12	5,96,701
Fluid mechanics & Hydraulic Machines lab	EEE, Mechanical, Civil	C101	200 Sq.m / 30	12	9,44,738

CAD / CAM lab	Mechanical (Exclusive)	M108	200 Sq.m / 36	10	29,86,758
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31. Number of students receiving financial assistance from college 10

University: 0 , other agencies: 5

No. of students received financial assistance from government:

Sl no	Academic year	Intake	OC	BC	SC	ST	TOTAL
1	2011-12	60	11	22	13	1	47
2	2012-13	60	37	21	1	0	59
3	2013-14	120	76	30	9	0	115
4	2014-15	120	44	17	3	0	64

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Special lectures by experts from both Industry and academician are frequently arranged in the department for the benefit of students. Students will get an opportunity to interact with the resource person directly and there by enhance their knowledge on the latest technological development in their field of interest.

33. Teaching methods adopted to improve student learning

1. Using models and slides as teaching Aids.
2. Arranging student seminars on their topics of interest.
3. Conducting tutorial classes to improve problem solving abilities of the students.
4. Conducting remedial classes for slow learners.
5. Development of student support material for poor learners and enthusiastic Learners.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

As a part of social responsibility the students are encouraged to participate in the blood donation camps, eye donation camps and helping hand, also swachbharat, faculty recreation programmes providing services to orphanages and blind schools. These programs are generally arranged by NSS unit of the college.

35. SWOC analysis of the department and Future plans

Strengths:

- A strong contingent of faculty blended with youth and experienced.
- The laboratories are equipped with the best available experimental setups.
- Students have exhibited all round excellence in both academics & co circular activities .

- Students winning accolades in various national contests held in IITs & NITs
- The department by its inherent strength attracts students of high caliber.
- Good number of research publications.

Weaknesses:

- Efforts needed to get Industry – sponsored project
- Skill up- gradation of technical staff is necessary
- More awareness among the faculty/ students related to PEOs and CEOs needed.
- Rural students are poor background in communication skills

Opportunities:

- The college is located near to the capital city which has a mushroom of industries both in public and private domain. Hence it has an opportunity to tie up with these organizations for industry based training and placement of the students.
- As the college is aiming to obtain autonomous status, the curriculum can be devised taking into account the latest advancements.

Challenge:

- Quality of intake diminishing due to indecisiveness of the government in formulating policies regarding admission which leading to migration of students to is deemed universities.
- Start PG Courses in CAD/CAM, Machine Design & Thermal Specialization and get senior faculty for those courses.
- To compete with the best of the colleges in the state and the country in attracting to get bright and talented students.
- Imparting communication skills to rural students.

Future Plans

- To enhance Industry- Institute-Interaction to attract leading MNCs for conducting campus recruitment.
- Improve the quality of research work
- Increase in the qualification of faculty members by encouraging them to do their PhD work.
- To get research projects from various funding agencies like UGC, AICTE, DST etc.
- To identify potential areas for consultancy work and ensure to get consultancy work.

EVALUATIVE REPORT OF THE DEPARTMENT OF CIVIL ENGINEERING

1. Name of the department – **Civil Engineering**
2. Year of Establishment - **2011**
3. Names of Programmes/ courses offered (UG, PG, M.Phil, Ph.D, Integrated Masters, Integrated Ph.D., etc.) – **UG (B-Tech) Civil Engineering**
4. Names of Interdisciplinary courses and the departments / units involved –

S.No	Course	Year	Name of the Department Involved
1	BEEE	II-I	EEE
2	IPR & Patents	III-I	AS & H
3	P & S	II-I	AS & H
4	MEFA	II-II	AS & H

5. Annual / semester/ choice based credit system : **All Years are semester based credit system**
6. Participation of the department in the courses offered by other departments:

S.No	Name of the Department	Corse	Academic year
1	Mechanical	MOM	2012-13
2	Mechanical	FM & HM	2013-14
3	Mechanical	FM & HM lab	2013-14

7. Courses in collaboration with other universities, industries, foreign institution: **NIL**
8. Details of courses/ programmes discontinued: **NIL**
9. Number of teaching posts

	Sanctioned	Filled
Professors	1	-
Associate Professors	2	1
Assistant Professors	9	11

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

Name	Qualification	Designation	Specialization	No. of years experience	No. of Ph.D students guided for the last 4 years
Mr.N.Madhu	(Ph.D)	Assoc. prof	Geotechnical engineering	8	NIL
Mr. Sk. Musthafa	M-Tech	Asst. Prof	Structural Engineering	2	NIL
Ms. T. Veda Latha	M-Tech	Asst. Prof	Structural Design	1	NIL
Mr. B. Praveen Kumar	M.S	Asst. Prof	Geology	2	NIL
Mr. M. Gopi Raju	B-Tech	Asst. Prof	CIVIL	4	NIL
Ms.T.Sravana Sandhya.	M-Tech	Asst. Prof	CIVIL	4	NIL
Mr. T. Ankammarao	B-Tech	Asst. Prof	CIVIL	3	NIL
Ms. N. Sivarani	B-Tech	Asst. Prof	CIVIL	3	NIL
Mr. D. Hanumantharao Naik	B-Tech	Asst. Prof	CIVIL	2	NIL
Mr. M. V. Ramesh	B-Tech	Asst. Prof	CIVIL	1	NIL
Dr.P.Ravindhra	Ph.D	Professor & Geologist	Geology	10	NIL
Mr.M.V.Subbarao	B-Tech	Design engineer	CIVIL	12	NIL

11. List of senior visiting faculty-

SL.NO	NAME	DESIGNATION	COMPANY
1	Dr. P. Kodanda Rama Rao	Professor, HOD of civil	Gudlavalleru engineering college, Gudlavalleru Krishna district
2	Dr.K.Srinivas	Professor, HOD of civil	R.V.R & JC college Guntur

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty- **8.3%**

13. Student-teacher ratio (programme wise)- **15:1**

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled

1. Technical- 2

2. Administrative- 2

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

Sl.no	Qualification	No.of Faculty
1	Ph.D	1
2	PG	4
3	UG	7

16. Number of faculty with ongoing projects from a) national b) international funding agencies and grants received- **NIL**

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

NIL

18. Research centre/facility recognized by the university-

Research centre is already in place proposal is already submitted to JNTUK and awaiting for approval.

19. Publications:

Number of Journals/Conferences published in National and International

Author	Title of Article	Name of Journal	Vol No	Issue No	Page No	Year of Publishing	ISSN- ISBN No
Ms N Siva Rani	Properties of Cement Motar by mixing fibers STEALTH e3, CEM-FIL	IARJSENT	1	3	183-189	2014	2393-8021

Ms N Siva Rani	Use of Treated domestic waste water as a mixing water in cement mortar	IJSR&D	3	1	417-421	2015	2321-0613
Ms N Siva Rani	An experimental investigation inflence of fibres on concrete under elevative temperatre	IJST&E	2	7	51-56	2016	2349-784X
Mr Sk Musthafa	Dynamic Analysis of Transmission Towers	IJ&METM&R	3	4	506	2016	2348-4845
Ms T. Vedalatha	Design of Buildings on hilly Areas	IJSRAE	2	12	89-94	2015	2319-6106

20. Areas of consultancy and income generated-

Sl.no	Client	Duration	Type of test conducted	Income granted	Faculty conducted
1.	Mani constructions	2015-2016	1.Soil Testing 2.Cube Testing	35000 15000	M.Gopi raju D.Hanumathrao Naik
2.	Tanuja construction	2015-2016	Cube Testing	9000	D.Hanumathrao Naik

21. Faculty as members in

a) National committees- 1

Mr.N.Madhu Assoc.Professor, is a life member of Indian Geotechnical Society, New Delhi (LM-3148)

b) International committees- NIL

c) Editorial boards- NIL

22. Student projects

a. Percentage of students who had in-house projects including inter departmental/programme

b. Percentage of students placed for projects in organization outside the institution i.e., in research laboratories/industry/other agencies

Year	Total No.of students	In-House	In-House %	Out-House	Out-House %
2015-2016	64	54	84.4	10	15.6
2014-2015	55	50	90.90	5	9.09

23. Awards/recognitions received by faculty and students

(a) Faculty Awards

1. Mr.Sk.Musthafa, Asst.Proff got best teacher award for the Academic year 2013-14
2. Mr.T.Ankamarao, Asst.Proff got best teacher award for the Academic year 2014-15
3. Mrs.N.Pavani, Asst.Proff got best teacher award for the Academic year 2015-16

(b) Student Awards

Name of students	Year	Date	Particulars
N.Vengababu Y.Sasi kanth reddy	IV/IV CIVIL	7-1-2016	2 nd prize in Spot event at narasaraopet engineering college
D.K.Manikanta A.Venu Gopal Y.Sndra Babu Y.Sasi kanth reddy	IV/IV CIVIL	7-01-2016	First prize in paper presentation at Narasaraopet engineering college
P.Siva Rao R.Hari G.Venkatash	IV/IV CIVIL	7-01-2016	First prize in paper presentation at Narasaraopet engineering college
P.Revanth P.Siva Rao G.Venkata Krishna	IV/IV B.Tech	7-01-2016	First prize in Quiz at Tirumala engineering college

P.Revanth V.N.Varun Bhargav	IV/IV B.Tech	10-02-2015	2 nd prize in Project Expo at Tirumala Engineering college
K.Vishnu Vardhan K.V.Babu V.V.Jayanth	II/IV B.Tech	12-02-2015	2 nd prize in Ppt and model making at Nalanda Engineering college

24. List of eminent academic and scientists/visitors to the department-

- (1) Dr.Kota Srinivas Professor & Head, RVR &JC College of Engineering, Guntur.
- (2) Dr. P. Kodanda Rama Rao Professor & Head, Gudlavaluru Engg College, VJD.
- (3) Dr. P. Ch. Sanjeevarao Professor, RVR&JC College of Engg. Guntur.
- (4) Dr. J. Pullaiah B.E, M-Tech, M.I.Struct.E, M.I.G.S, Ph.D, Structural Designer, Chilakalripet.
- (5) Dr. V. S. Sarma, M.Sc(Tech), Ph.D, Geologist, Hyderabad.
- (6) Dr. Ramanarao M.Sc (Geo), Ph.D, Geologist, Geological Consltancy.
- (7) Mr.M.V.V.Subbarao, Design Engineer, Design of RCC Structures.
- (8) Mr.K.S.S Kumar, Project Manager, Advance technology constructions.
- (9) Mr.K.Srinivas, Builder, Tenders, Project Estimations Works.

25. Seminars/conferences/workshops organized & the source of funding

a) National- 6

S. No	Date	Name of the Eminent Person	Lectures delivered on the Topic	Source of Funding
1	30-12-2014	Dr. J. Pullaiah B.E, M-Tech, M.I.Struct.E, M.I.G.S, Ph.D	<ol style="list-style-type: none"> 1. Management of site problems. 2. Aspects of quality control in execution and commissioning of projects. 3. Practical aspects of project and construction management of medium sized industrial projects. 	TEC

2	13-02-2015	Dr. V. S. Sarma M.Sc(Tech), Ph.D	Geophysical Methods for Surface and Sub-Surface investigations of Ground Water	TEC
3	08-02-2014	Dr. P. Kodanda Rama Rao M-Tech, Ph.D Professor & Head Gudlavaluru Engg. College	Lecture on the Strength of Materials and Design of Concrete Structures.	TEC
4	15-02-2016	Mr. P. Subbarao M-Tech, (Ph.D), IIT Khargpur	Future Challenges & Carrier Objectives in Civil Engineering	TEC
5	09-03-2016	Dr. K. Srinivasu M-Tech, Ph.D Professor & Head RVR&JC College of Engg	Matrix Method of Structural Analysis	TEC
6	22-02-2014	Mr. A. H. L. Swaroop M.E. (Ph.D) Asst. Professor, Gudlavaluru Engg. College	Indeterminate Structural Analysis	TEC
7	9-02-2016	Dr. Ramanarao M.Sc (Geo), Ph.D	Ground Water Exploration Techniques	TEC
8	13-01-2013	Dr. P. Ch. Sanjeevarao M.Sc(Geo), M-Tech, Ph.D Professor, RVR&JC College of Engg. Guntur	Importance of Geology in Civil Engineering with Case Studies	TEC

b) Internatioal- **NIL**

26. Student profile programme/course wise:

Batch	Name of course/programme	Seats available	Seats filled	Enrolled		Pass Percentage
				*M	*F	
2011-2015	B-tech(CE)	60	58	48	10	90.90

*M=Male,*F=Female

27. Diversity of students

Name of the Course	% of Students from the same state	% of Students from the other state	% of Students from the abroad
B-Tech (CE) 2011-2012	100%	---	---
B-Tech (CE) 2012-2013	100%	---	---
B-Tech (CE) 2013-2014	100%	---	---
B-Tech (CE) 2014-2015	100%	---	---
B-Tech (CE) 2015-2016	100%	---	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE , Civil services, Defense services, etc.?

Name of the competitive Exam	No.of students qualified	
	2011-2015	2012-2016
GRE	4	6
GATE	---	---
IELTS	----	1

29. Student progression-

Student progression	Against % enrolled	
	2014-15	2015-16
UG to PG	10	-
PG to M.Phil.	-	-
PG to Ph.D.	-	-
Ph.D. to Post-Doctoral	-	-
Employed		
-Campus selection	11	14
-Other than campus recruitment	10	10
Entrepreneurship/self-employment	3	-

30. Details of infrastructural facilities**a) Department Library**

S.No	Room no	Area available(m ²)	Number of volumes
1	CE109	54.36	33

b) Internet facilities for staff and students

S.No	Room no	Area available(m ²)	Number of systems available
Internet with speed of 40MBPS BSNL broadband is available			

c) Class rooms with ICT facility

S.No	Class	Room No	Area Required as per Norms (m ²)	Area Available (m ²)
1	III/IV CIVIL	CE107	66	77

d) Laboratories

S.no	Name of the Laboratory	Room No	Area Required as per Norms(m ²)	Area Available(m ²)
1	Surveying Lab	CE-113	66	74.25
2	FM Lab	CE-101	66	112.5
3	GTE Lab	CE-115	66	160.82
4	TE Lab	CE-114	66	78.81
5	CT Lab	CE-114	66	78.81
6	Geology Lab	CE-112	66	74.25
7	EE Lab	CE-116	66	74.25

31. Number of students receiving financial assistance from college, university, government to rot her agencies

S.No	Class	Number of students
1	II/IV B-Tech Civil	60
2	III/IV B-Tech Civil	60
3	IV/IV B-Tech Civil	60

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

- ❖ Guest lecture on “Matrix Method of Structural Analysis” by Dr. Kota Srinivasu, Professor & Head of Civil Department and Head of incubation center.
- ❖ Students seminars are organized regularly
- ❖ Teaching methods adopted to improve student learning-**Tutorials, Assignments, Demonstration, Remedial Classes, Power Point Presentation**

33. Participation in institutional social responsibility (ISR) and extinction activities

As a part of social responsibility the students are encouraged to participate in the blood donation camps, eye donation camps and helping hand, also swachbharat, faculty recreation programmes providing services to orphanages and blind schools. These programs are generally arranged by NSS unit of the college.

34. SWOC analysis of the department and future plans

STRENGTHS

- ❖ The Department has highly qualified and dedicated faculty. The student to faculty ratio is 15:1 which fulfills the AICTE norms.
- ❖ ISO 9001: 2008 Recognized
- ❖ Well established state of art laboratories and infrastructure.
- ❖ Memberships in professional bodies like IGS, which would enable knowledge sharing.
- ❖ Full Financial support to attend Conferences, Workshops, Seminars, etc.,

WEAKNESSES

- ❖ The students are examination oriented while industry is stressing on knowledge base.
- ❖ Predominantly students come from guided education system.
- ❖ Hence, resistance to adapt to out-come based education system
- ❖ Weak R & D and consultancy activities
- ❖ Students from rural background
- ❖ Less frequent industry & institute interaction

OPPORTUNITIES

- ❖ Provision to attend Faculty Development Programs, Seminars, Workshops, hence to obtain the knowledge
- ❖ With NAAC accreditation more funding for department is possible
- ❖ Increasing scope for entrepreneurship development.
- ❖ A greater scope for government funding in the area of Renewable Energy.
- ❖ Better learning opportunities through industrial visits, project works and guest lectures
- ❖ Opportunities for collaborative research with university and/or industry.

CHALLENGES

- ❖ Shifting of technical education system from theory-base to application-based.
- ❖ Demand in employability skills in core industry.
- ❖ Poor language skills among the students.

Declaration by the Head of the Institution

I certify that the data included in this 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.

Place:

Date:

Signature of the Head of the institution with seal

Grams: "TECHNOLOGY"
Email: registrar@jntuk.edu.in



Phone: Off: 0884 -2300900
Fax: 0884 -2300901

PROCEEDINGS OF THE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA-533003, Andhra Pradesh (India)
(Established by Andhra Pradesh Act No. 30 of 2008)

Proc.No. B1/Affi/Tirumala EC/2015-16

Date: 30.12.2015

Sub: JNTU Kakinada – Academic & Planning – Grant of Temporary Affiliation for the academic year 2015-16 to "Tirumala Engineering College, Jonnalagadda, Narasaraopet, Guntur District – Orders – Issued.

Read: 1. AICTE Lr. No. South Central /1-2450653853/2015/EOA, dated 7.4.2015
2. This office Proc. No. DAP/B1/Affiliation/FFC/2015, dated 08.05.2015

ORDER:

1. The AICTE, New Delhi and Government of AP have accorded extension of approval to "Tirumala Engineering College, Jonnalagadda, Narasaraopet, Guntur District", for the academic year 2015-16. The University has constituted a Fact Finding Committee to verify the staff and infrastructures facilities of the college to consider the grant of Temporary affiliation for the academic year 2015-16. The Fact Finding Committee has visited the college and submitted its report to the University Affiliation Committee. The Committee has verified the report and other documents and made recommendations for affiliation for the academic year 2015-16.
2. Under the circumstances as stated above, the Vice-Chancellor, JNTUK Kakinada is pleased to grant "**Temporary Affiliation**" to "Tirumala Engineering College, Jonnalagadda, Narasaraopet, Guntur District" sponsored by "Venkata Ramana Charitable Trust, Prakash Nagar, Narasaraopet, Guntur District" to offer Degree Course in the following disciplines with the intake shown against each for the Academic Year 2015-16 as detailed below:

Contd...2p

--2--

S. No	Name of the Course	Intake
1	Electrical and Electronics Engineering	120
2	Electronics & Communication Engineering	180
3	Mechanical Engineering	120
4	Civil Engineering	60
5	Computer Science & Engineering	120

The temporary affiliation shall be subject to the following conditions:

1. The Management shall follow the norms of AICTE and rules of the affiliation of JNT University Kakinada in all aspects.
2. The Management shall follow the Academic Regulations and examination schedule of JNT University Kakinada.


REGISTRAR

To
The Principal,
Tirumala Engineering College,
Jonnalagadda, Narasaraopet, Guntur District.

Copy to:

The Chairman/Secretary, Venkata Ramana Charitable Trust, Prakash Nagar, Narasaraopet, Guntur District, Andhra Pradesh.

The Principal Secretary to Government Higher Education (EC.2) Dept., Govt. of Andhra Pradesh, Secretariat, Hyderabad.

The Secretary, A.P. State Council of Higher Education, Saifabad, Hyderabad-4.

The Commissioner of Technical Education, SBRKR Govt. Office Complex, Hyderabad.

The Secretary, All India Council for Technical Education, New Delhi – 110002.

The Asst. Educational Advisor (T), Southern Regional Committee, AICTE, Ministry of Human Resource Development (Dept. of Education), Shastry Bhavan 26, Haddous Road, Chennai – 600006.

Copy to the Director of Evaluation, JNTU Kakinada.

Copy to the Director of Academics & Planning, JNTU Kakinada.

Copy to P.A. to Chairman, Andhra Pradesh State Council of Higher Education.

Copy to the PA to the Vice-Chancellor, JNTU Kakinada.

Copy to the PA to the Rector JNTU Kakinada.

Copy to the PA to the Registrar, JNTU Kakinada.



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/1-2813209078/2016/EOA

Date: 05-Apr-2016

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 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

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 27/09/2012 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	Application Id	1-2813209078
Name of the Institute	TIRUMALA ENGINEERING COLLEGE	Permanent Id	1-2173587
Name of the Society/Trust	VENKATA RAMANA CHARITABLE TRUST	Institute Address	JONNALAGADDA, NARASARAOPET- 522601 GUNTUR(DT), NARASARAOPET, GUNTUR, Andhra Pradesh, 522601
Institute Type	Unaided - Private	Society/Trust Address	OLD REGISTRAR OFFICE, PRAKASH NAGAR, NARASARAOPET, NARASARAOPET, GUNTUR, Andhra Pradesh, 522601

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2813209078			Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PIO / FN / Gulf quota Approval status	Foreign Collaboration/Training Program Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	CIVIL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University,	60	60	NA	NA	NA

Application Number: 1-2813209078

Note: This is a Computer generated Report.No signature is required.

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Page 1 of 3
Letter Printed On:29 April 2016

Principal
TIRUMALA ENGINEERING COLLEGE
JONNALAGADDA (V), Narasaraopet



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

GY		TE			Kakinada					
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	180	180	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	MECHANICAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	NA	NA	NA

The above mentioned approval is subject to the condition that TIRUMALA 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.

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. 37-3/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.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:

- The Regional Officer,**
All India Council for Technical Education
First Floor, old BICARD Building
Jawaharlal Nehru Technological University
Masab Tank, Hyderabad-500076
- The Director Of Technical Education,**
Andhra Pradesh

Application Number: 1-2813209078

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Principal
TIRUMALA ENGINEERING COLLEGE
JONNALAGADDA (V), Narasaraopet

Page 2 of 3
Letter Printed On:29 April 2016



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

3. **The Registrar,**
Jawaharlal Nehru Technological University, Kakinada
4. **The Principal / Director,**
TIRUMALA ENGINEERING COLLEGE
JONNALAGADDA,
NARASARAOPET- 522601
GUNTUR(DT),
NARASARAOPET,GUNTUR,
Andhra Pradesh,522601
5. **The Secretary / Chairman,**
VENKATA RAMANA CHARITABLE TRUST
OLD REGISTRAR OFFICE, PRAKASH NAGAR, NARASARAOPET,
NARASARAOPET,GUNTUR,
Andhra Pradesh,522601
6. **Guard File(AICTE)**


Principal
TIRUMALA ENGINEERING COLLEGE
JONNALAGADDA (V), Narasaraopet

Application Number: 1-2613209078
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Page 3 of 3
Letter Printed On:29 April 2016