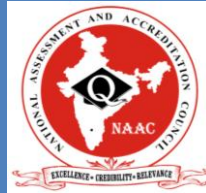


INSTITUTIONAL ACCREDITATION

SELF STUDY REPORT

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)
AN AUTONOMOUS INSTITUTION OF THE UNIVERSITY GRANTS COMMISSION
P.O. Box No. 1075, NAGARBHAVI
BANGALORE - 560072

By



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

(Approved By A.I.C.T.E., Accredited by NBA, Permanently Affiliated to JNTU, Hyderabad)

(Aziz Nagar Gate, C.B Post, Himayath Nagar (V), Hyderabad, Telangana – 500 075)

[www: vjit.ac.in](http://www.vjit.ac.in)

Phone: 08413235300/ 235399



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

(Accredited by NBA, Approved by AICTE New Delhi & Affiliated to JNTUH)

Dr. P. VENUGOPAL REDDY

Ph.D.

DIRECTOR

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Ph. No: 9848212388

.Date: 19.10.2015

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 out sourced. I am aware that the Peer team will validate the information provided in this SSR during the Peer team visit.

(P. Venugopal Reddy)

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PREFACE

Today the educational landscape is undergoing a slew of major changes. Globalisation, Information Technology, explosion in knowledge and paradigmatic changes in teaching-learning process has affected educational programmes, faculty and students alike.

Vidya Jyothi Institute of Technology has been continuously fine-tuning its educational process in tune with local, regional and global changes in higher education scenario.

Vidya Jyothi Institute of Technology has initiated several measures to bring equity, efficiency and excellence in the Higher Education System. The important measures taken to enhance academic standards and quality in higher education include innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems, student support and progression, Governance Leadership and Management and Innovations and Best practices.

Vidya Jyothi Education Society, a non profitable public society started Vidya Jyothi Institute of Technology in the year 1998 with an intake of 180 students. The institution was approved by All India Council for Technical Education, New Delhi and is permanently affiliated to Jawaharlal Nehru Technological University, Hyderabad. Since then the society did not look back and has been striving for the improvement of facilities and academic standards in the institution. The Institute was accredited by NBA. The Institute is included under 2(f) and 12(B) by UGC. The Institute is presently running with six B.Tech Courses, one M.B.A and eight M.Tech courses with a total intake of 4003 students.

In the light of the above, the institute is submitting its SSR to NAAC for Accreditation. The SSR is prepared as per the guidelines of the National Assessment and Accreditation Council (NAAC), Bangalore.

PART-A

EXECUTIVE SUMMARY

Background of the Institution: Higher education is not only a vehicle of growth but it is also an effective and reliable instrument to ensure social justice. It is also a powerful tool to build modern, value based, knowledge based, culture based peaceful society.

Having faith in it, the Vidya Jyothi Educational Society which was established in 1993 to impart quality education to all rural and urban milieus has established the VidyaJyothi Institute of Technology in the year 1998. The Institute started with U G courses in B.Tech EEE, Mech, ECE and CSE with an intake of 180 students. To meet the challenges of increased aspirations of the society in this region, the Institution has started new courses such as IT, Civil and increased its intake from 180 to 1020 in B.Tech 276 in M.Tech and 60 in MBA.

Vision

- To develop into reputed institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through Intellectual, cultural and ethical efforts with human values.
- To foster scientific temper in promoting the World class professional and technical expertise.

Mission:

- To imbibe research oriented teaching-learning practices
- To create world class infrastructure facilities for optimization of knowledge acquisition.
- To shape the students holistically, to make them competent in theory and applications to excel global scenario.
- To imbibe research oriented teaching- learning practices through OBE, PBL& Ethical based education.
- To promote higher education and research through strong Institute –industry interaction and consultancy.
- To strengthen the R&D of each department by involving the students to address the community based problems.

Objectives:

To impart engineering education to rural and suburban students along with urban students and to transform the students in to technically skilled, knowledgeable and socio economic personalities by providing value added Education.

Approvals & Accreditations

- Institution is approved by AICTE, New Delhi.
- The B. Tech courses in EEE, Mech. ECE, CSE & IT are accredited by **NBA** for three years from September 2011.
- Institution is Permanently Affiliated to JNTU (H) Hyderabad for five years i.e. from 13-14 to 18-19.
- Institution is included under 2(f) and 12(B) under UGC Act of 1956.

Courses

Education Programs

The institute currently offers 6 B.Tech Programmes in Computer Science and Engineering (CSE), Electronics and Communications Engineering (ECE), Mechanical Engineering (Mech), Electrical engineering (EEE), Civil Engineering (CE) and Information Technology. Institute offers MTech programmes in eight different specializations PE&ED, CSE, Embedded systems, VLSI System Design, EPS, Machine Design, CAD/CAM and Structural Engineering. Institute also has MBA Programme. The total student strength of the Institute is around 4000.

Institution Details:

Location:

The VidyaJyothi Institute of Technology is located 20 Kms away from the center of twin cities (Hyderabad and Secunderabad) bus depots and railway stations. It is very near to Industrial establishments like Rane Engine Valves, BHEL and IT Hubs, TCS, WIPRO, IBM, Raheja IT Park, Infosys Campus and other Software establishments etc.. All the facilities are established in an area of 10 acres 31 Guntas (10.77 acres) of land with well planned layout in pollution free lush green landscapes.

Built-up Area:

The major physical resource of the Institute is in the built-up area of 22148.19 square meters exclusively meant for the academic purpose, which is spread over in 4 buildings (6 Blocks) and three ACC sheds for the workshops. Barrier free passage for physically challenged persons is provided through lifts and other arrangements.

Infrastructure:

VJIT's State-of-the-art laboratories have the latest equipment for practical's and project works going beyond the syllabus stipulated by the University. The systems, methods and procedures adopted in the laboratories are unique.

The VJIT has all the required laboratories with state-of-the-art facilities, Class rooms, E-Class rooms, Seminar halls, Workshops, Central library as well as Departmental libraries, Examination branch and Administrative areas are as per AICTE and affiliating university norms. Well maintained canteen facility is provided. Twenty (20) own buses are run from all corners of Hyderabad and Secunderabad for the benefit of students and employees in addition to the frequent well connected public transport system. Four bedded Health care centre with a part time Doctor and full time nurse is in operation since 2010.

Faculty

Faculty forms the backbone of any academic Institution. We have 305 faculty members on its rolls. The Institute continues to attract quality faculty to it.

Faculties are trained to transformations in Engineering Education for the latest trends in teaching. Introduced a system to the faculty to undergo training by IGIP Certification conducted by Microsoft in collaboration with *Indo US Collaboration of Engineering Education (IUCEE)*. The VJIT has been very active in IUCEE programs in past few years by introducing project based learning and active learning techniques effectively in the class rooms and demonstrated improvements in teaching and learning processes. The Project based learning has been introduced from the first year onwards. The Model Room which houses models created through live projects by students is an example of Institutes philosophy of innovation driven education.

Teaching, Learning & Evaluation

VJIT has its own vision mission and quality policy and trying to adopt Outcome based

education the curriculum of our programs is revised once in every two years by JNTUH to meet the needs of industry, latest trends in research and societal requirements. Each course has a well-defined learning outcome, called the course outcomes. The instruction and assessment plan is consistent with the learning outcomes of the course. Course files are prepared by all the faculty members. Modern teaching aids like OHP, Multimedia, Projectors, and Internet enabled Computer systems are used for class room instruction as well as other student learning experiences. The students are also encouraged to use computer software packages for their projects.

It is monitored through feedback from the students every Semester/ Year. The Principal and HOD go on rounds and randomly choose a class to monitor the teaching methodology by attending the class. Examination are conducted and evaluated as per JNTUH norms. Two mid examinations in theory and one internal lab examination are conducted in each semester. The department will carry out internal assessment on all subjects. Continuous evaluation procedure is followed for practical subjects. Internal marks are awarded following University guidelines. However, University conducts end semester examinations in both theory and practical subjects and arranges valuation. Evaluation of mini-projects and main projects is also under the purview of the University.

Placements

During the last few years around 130 students in each year are placed in major IT Companies like TCS, Infosys, IBM, Amazon, United Online, ADP, Open Text, Birlasoft, CMC, Capgemini, Mahindra Satyam, Accenture, Syntel, Infotech and other core companies.

MOU'S

VJIT has entered into Memorandum of Understanding (MOU) with several local industries for extending Training / Internship / Placement of students.

The College is having MOU's with Cyient, IBM, Dexter Lab, Coign Technologies, IBM Career Education program, Physitech Pvt. Ltd, Future tech Pvt., Prithvi Power Systems Ltd, Aqua Technologies Pvt. Ltd Co-Cubes, Talent Sprint, Reference Globe, CII, IWN, Aspiring Minds, Manhattan Review, Satya Fabricators Private Ltd., IIIT Enhance Education and Inpods. The Most of the final year students of Engineering are carrying out their project work in the Industry with active participation of internal supervisors, in addition to in-house projects in all the departments. This Mechanism has been very useful to students as they are being exposed to actual Industrial setup providing exposure to practical problems faced by the industry. The College has been recognized as the "Remote Centre" for conducting TCS on line exams on behalf of Government of India.

The on campus extracurricular facilities like indoor and outdoor sports and NSS will greatly help for all round development of the students. NSS unit conducts Blood Donation Camps every year

The College is very active in organizing student development activities with the support of professional bodies like IUCEE, SPEED, IEEE, IETE, SPIE, OSA, ISTE, CSI. Gap between the professional needs and curriculum are bridged in order to provide better employability opportunities to the student. Students are trained to Entrepreneurial mind set and have participated at various workshops. Recently students have attended Entrepreneurship Education workshops at Global Student Forum (GSF), World Engineering Education Forum (WEEF) at University of Florence, Italy.

Research and Development

Research remains the key focus of the institute. 5 projects have been sanctioned one major from DRDO and 4 minor research projects. 27 Research proposals have applied for different agencies and awaiting for sanction of some of the projects. 25 faculty members have been registered for Ph.D's. Around 330 papers have been published from all the departments for the last 4 years. Research papers are also published by Undergraduate and M.Tech students.

Some of the achievements of the Institute

1. VidyaJyothi Institute of Technology (VJIT) stood in 8th position in First year Academic Results among JNTU(H) affiliated colleges.
2. VJIT has been awarded as “**Best Place to Innovate**” by UMO at UXINDIA'13, IIM Bangalore.
3. The Institute & Departments have become Members of **IEEE, ISTE, CSI, UMO, GSA, SPIE, OSA, IUCEE SPEED, SAE.**
4. The VJIT is recognized as academic partner for remote center for conducting online Exams for TCS (Tata Consultancy Service)
5. The VJIT is recognized as academic partner for remote center for conducting online Exams – for the **National Institute of Electronics and information Technology (NIEIT).**
6. VJIT was recognized as a Research centre by DRDO, Govt. of India and has awarded a project worth Rs.50 Lakhs. Four minor research projects are sanctioned from UGC.
7. VJIT EEE Students developed a project titled “HOTLINE” which is submitted for consideration for real time implementation by AP TRANSCO.
8. VJIT Mechanical Students developed a project “Camera Mounted Vertical Climbing Robot”. The project is submitted for consideration for real time implementation by INDIAN ARMY.
9. Students have participated at various International Conferences in Baltimore, San Diego, San Francisco.
10. Under SPIE & OSA professional chapters. Students have presented papers at World Renowned Institutes *Max Plank Institute of Technology in Germany.*
11. Students participation at JNTU excite programme and won seed money Rs.45000 from HYSEA and TASK for the project name health care solution for smarter city via unic ID.

SWOC Analysis of the Institute

Strengths

- Qualified and experienced faculty members
- Strong learning resources
- Research Projects funded by Government Agencies DRDO and UGC.
- 24 MBPS Wi-Fi enabled campus
- State of the Art Infrastructural facilities
- MOU's with Industries
- Membership with IUCEE (Indo US Collaboration with Engineering Education)
- Zeal of the students to participate in International & National conferences.
- Motivational incentives for faculty and students.
- NBA Accreditation status to all UG programmes.

Weakness

- Poor Communication skill of students because of their socio-economic background.
- Campus placements of the college need to be improved.
- Aptitude of the students for higher learning is poor.
- Financial restraints due to constrained fees of unaided private Engineering colleges.

- Collaboration with premier research institutions is in initiated stage.
- Lack of Industrial research and consultancy

Opportunities

- Wide range of upcoming new specialized research areas / technologies of interest to college.
- Promoting the young and motivated faculty members towards research and academic excellence.
- Preparing the students as per the needs of industry
- Enhancing the skills of Industry Institute Interaction
- Enhancement of Entrepreneurship Awareness

Challenges

- Recruitment of qualified faculty and retention of faculty
- To meet constantly changing technological advancements
- To sustain competition from other universities and colleges
- To enhance Industry Institute Interaction
- MoU's with reputed companies.
- Implementation of Outcome based Education in all the courses

PART - B:**PREPARATION OF SELF-STUDY REPORT**

1. Profile of the Affiliated / Constituent College

1. Name and Address of the College:

Name :	Vidya Jyothi Institute of Technology	
Address :	Aziz Nagar Gate, Himayath Nagar Village, C.B.Post, Hyderabad.	
City :	Hyderabad Pin :500075	State :Andhra Pradesh
Website :	www.vjit.ac.in	

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. A. Padmaja	O:08413-235300 R:	9849554882	08413-235509	principalvjit@vjit.ac.in
Steering Committee Coordinator	Dr V Venkata Krishna	O: 08413-235300 R:	9701331100	08413-235509	csehod@vjit.ac.in

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: **16-12-1998**

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

JNTUH

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	09.06.2014	
ii. 12 (B)	09.06.2014	

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

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

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i.AICTE	F.No South- Central /1- 2453906408/2015/EOA	07-04-2015	2015-16	

(Enclose the recognition/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 NBA and

Date of recognition: 22.11.2011

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

Location *	Rural
Campus area in sq. mts.	41723.09
Built up area in sq. mts.	23085

(* 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 No : ☒
- Sports facilities : ☒
- * play ground : ☒
- * swimming pool : ☐
- * gymnasium : ☒

• Hostel : **NIL**

* Boys' hostel : **NA**

i. Number of hostels

ii. Number of inmates

iii. Facilities (mention available facilities)

* Girls' hostel : NA

- i. Number of hostels ii. Number of inmates
- iii. Facilities (mention available facilities)

* Working women's hostel : NA

- i. Number of inmates
- ii. Facilities (mention available facilities)

- Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise) : Non teaching Group – IV Employees **12**
- Cafeteria — ✓
- Health centre — ✓

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance **Yes** Health centre staff – **2**

Qualified doctor Full time ☐ Part-time ☒

Qualified Nurse Full time ✓ | Part-time ☐

- Facilities like banking, post office, book shops : ✓
- Transport facilities to cater to the needs of students and staff. : ✓
- Animal house : **NA**
- Biological waste disposal : **NA**
- Generator or other facility for management/regulation of electricity and voltage : ✓

- Solid waste management facility : ✓
- Waste water management : ✓
- Water harvesting : ✓

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

Sl. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instructio	Sanctioned/ approved Student strength	No. of students admitted
B.Tech							
1	Under-Graduate	Electrical and Electronics Engineering	4	Intermediate	English	120	107
2		Mechanical Engineering	4	Intermediate	English	240	217
3		Electronics and Communication Engineering	4	Intermediate	English	240	240
4		Computer Science and Engineering	4	Intermediate	English	240	240
5		Information Technology	4	Intermediate	English	60	60
6		Civil Engineering	4	Intermediate	English	120	107
7	Post-Graduate	M.BA	2	Graduation	English	60	37
S.No.	Post-Graduate	M.Tech: I shift					
1		Power Electrical and Electronics Drives	2	Graduation	English	18	8
2		Computer Science and Engineering	2	Graduation	English	18	15
3		Embedded Systems	2	Graduation	English	24	18
4		VLSI System Design	2	Graduation	English	24	14
5		Electrical Power Systems	2	Graduation	English	24	12
6		Machine Design	2	Graduation	English	-	-
7		CAD/CAM	2	Graduation	English	24	14
8		Structural Engineering	2	Graduation	English	24	22
S.No.	Post-Graduate	M.Tech 2 nd Shift					

1		Power Electrical and Electronics Drives	2	Graduation	English	24	9
2		Computer Science and Engineering	2	Graduation	English	24	12
3		Embedded Systems	2	Graduation	English	24	12
4		VLSI System Design	2	Graduation	English	24	15
5		Electrical Power Systems	2	Graduation	English	24	10
	Integrated Programmes PG	NA	NA	NA	NA	NA	NA
	Ph.D.	NA	NA	NA	NA	NA	NA
	M.Phil.	NA	NA	NA	NA	NA	NA
	Ph.D.	NA	NA	NA	NA	NA	NA
	Certificate courses	NA	NA	NA	NA	NA	NA
	UG Diploma	NA	NA	NA	NA	NA	NA
	PG Diploma	NA	NA	NA	NA	NA	NA
	AnyOther specify and provide details)	NA	NA	NA	NA	NA	NA

13. Does the college offer self-financed Programmes?

Yes * ☒ No *

If yes, how many?

3

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

Yes	<input checked="" type="checkbox"/>	No		Number	1
-----	-------------------------------------	----	--	--------	---

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 (eg. Physics, Botany, <input type="checkbox"/> History etc.)	UG	PG	Research
Engineering and Technology	Electrical and Electronics Engineering	√	√	
„	Mechanical Engineering	√	√	
„	Electronics and Communication Engineering	√	√	
„	Computer Science and Engineering	√	√	
„	Information Technology	√		
„	Civil Engineering	√		
„	MBA		√	

16. Number o
a.

annual system

b. semester system ☐

c. trimester system ☐

17. Number of Programmes with :

a. Choice 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) and number of batches that completed the programme

b. NCTE recognition details (if applicable) *Not 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	
	Professo		Associate Professor		Assistant Professor					
	*	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government <i>Recruited</i>	21	4	43	30	130	77	64	32	41	11
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	-	-
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	-	-	-	-	-	-	-	-	-	-
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	-	-

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	15	4	3	-	-	-	22
M.Phil.	-	-	4	3	-	-	7
PG	6	-	36	27	120	73	262
UG	-	-	-	-	10	4	14
TOTAL							305

22. Number of Visiting Faculty /Guest Faculty engaged with the College. NIL

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

Categories	Year 1 2015-16		Year 2 2014-15		Year 3 2013-14		Year 4 2012-13	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	83	31	109	28	97	19	73	23
ST	38	12	63	4	51	07	35	12
OBC	356	133	381	97	342	91	283	82
General	205	113	255	96	208	98	167	55
Others	-	-	-	-	-	-	-	-
M.Tech 1 st Shift								
SC	06	09	05	02	06	05	09	03
ST	04	02	02	02	03	01	04	02
OBC	41	11	36	10	29	19	27	13
General	18	12	13	10	10	13	09	12
Others	-	-	-	-	-	-	-	-
M.Tech 2 nd Shift								
SC	05	01	03	02	06	01	01	04
ST	02	04	02	-	-	-	02	-
OBC	17	13	10	09	22	08	17	09
General	05	11	04	06	07	08	07	05
Others	-	-	-	-	-	-	-	-
MBA								
SC	06	01	04	05	02	-	06	02
ST	-	-	-	-	02	-	01	01
OBC	09	12	06	10	06	02	12	07
General	07	02	06	03	05	03	03	02
Others	-	-	-	-	-	-	-	-

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

Type of students	UG	PG		M. Phil.	Ph.D.	Total
		M.Tech	MBA			
Students from the same state where the college is located	961	158	37	-	-	-
Students from other states of India	10	3	-	-	-	-
NRI students	-	-	-	-	-	-
Foreign students	-	-	-	-	-	-
Total	971	161	37			

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

2013-14 UG 0.64 %

PG 1.34%

2014-15 UG 0.64%

0.87%

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.

(b) excluding the salary component

Rs.

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

: UG : 1 :15

29. Is the college applying for

Accreditation : Cycle 1 ☐ Cycle 2 ☐ Cycle 3 ☐ Cycle 4 ☐

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: (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

231 Days

32. Number of teaching days during the last academic year

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

159 Days

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

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

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

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)

PART-C

Criterion wise Evaluation Report

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.

Vision, Mission and objectives of the Institute

Vision

- To develop into reputed institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through Intellectual, cultural and ethical efforts with human values.
- To foster scientific temper in promoting the World class professional and technical expertise.

Mission:

- To imbibe research oriented teaching-learning practices
- To create world class infrastructure facilities for optimization of knowledge acquisition.
- To shape the students holistically, to make them competent in theory and applications to excel global scenario.
- To imbibe research oriented teaching- learning practices through OBE, PBL& Ethical based education.
- To promote higher education and research through strong Institute –industry interaction and consultancy.
- To strengthen the R&D of each department by involving the students to address the community based problems.

Objectives

- To impart engineering education to rural and suburban students on par with urban students.
- To transform the students into technically skilled, knowledgeable and socio economic personalities by providing value added education.
- To start industry driven P.G. Programmes in various disciplines.
- To have MOU with Universities, R & D Institutions and industries to establish Research Centre.
- To provide consultancy & testing facilities.

Communication to Stakeholders

The following criterion is followed to communicate the vision, mission and objectives of the college to the stakeholders

- The mission, vision and objectives of the college are displayed at all prominent places in the college.

- It is communicated to the students through college prospectus, Newsletter, Handbook and also orally during the induction program.
- The vision and mission statements of the college are also placed in the college website. Departments, corridors and central areas.
- The vision, mission statements are also printed on brochures of conferences, seminar and workshops conducted by each department.

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 college scrupulously develops action plans for effective implementation of the curriculum.
- Subjects and laboratories will be allotted to the faculty for the coming semester in the last week of the semester. The faculty has ample time to prepare for the course and practice the lab experiments during the semester break.
- The HODs with their faculty members discuss on curriculum and prepares the lesson plan in each subject. Subsequently they prepare the Time Table and allot the subjects along with lesson plan to each faculty.
- Distribute the syllabus copy, lesson plan and Time Table to each student.
- Syllabus, Time table and details of subject allotted to each faculty will be displayed on notice boards and also kept in website.
- All efforts are made to maintain the quality sustenance in curriculum delivery.
- All faculty members prepare course files for each subject and develop Lab. Manuals for all labs. These are periodically audited and modified with new developments in the field of technology.
- The structure of course file:

S.No	Contents
1	Syllabus copy
2	Academic Calendar
3	Course Time table
4	Handouts
5	Lecture notes
6	Running notes of two students
7	Copies of OHP transparencies /PPTs if any
8	Question papers of Internal examinations, additional tests and additional assignments and tutorial questions if any
9	Two sample answer scripts of IETS and additional tests
	Scheme of evaluation of IETs and addition tests
11	University question papers of present and previous two years examinations (regular & Supplementary)
12	Attendance registers
13	Result analysis as per given proforma
14	Programme Educational objectives (PEOs)
15	Programme Outcomes (Pos)
16	Mapping of PEOs and Pos
17	Mapping of course Outcomes and Pos
18	Summary of assessment of course outcomes through a)Content Delivery b) Examinations, tests, Assignments, etc. c)Students feedback

- A detailed lecture schedule and lecture notes are prepared in all the subjects by the faculty members concerned. Frequent departmental meetings are conducted to ensure effective curriculum delivery as per lecture schedules.
- Depending on the lecture schedules prepared by the faculty, suitable number of periods is allotted in the class time tables to see that the curriculum delivery is finished within the instruction period stipulated by the affiliating university.
- Faculty members impart the curriculum through innovative teaching methods such as power point presentations, assignments, discussions, workshops and seminars. Industrial visits apart from regular traditional teaching methods are also arranged.
- The college follows scrupulously the academic calendar of affiliating university for instruction delivery.
- Besides that the college also prepares its own academic calendar incorporating the activities and like seminars, conferences, workshops and group discussions etc.
- Frequent review meetings of the class monitoring committees are held thrice in a semester to review the progress of syllabus coverage and the effectiveness of the instruction delivery

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 University conducts workshops whenever it introduces a new curriculum.
- The institution provides learning resources like LCD, OHP, Internet and Wi-Fi facilities for better teaching learning process.
- The Institutes provides financial facilities to the departments to conduct FDPs, workshops/ refresher courses on latest topics and encourage the faculty to participate in those workshops.
- The college also deputed faculty members to attend FDPs, various workshops and seminars on latest topics held at other institutions with grant of academic leave and financial assistance.
- The college also conducts orientation classes to faculty to achieve academic excellence.
- The College also arranges lectures on research methodologies by eminent academicians to promote research activities.
- The library is enriched with sufficient number of text books and reference books required by the students and faculty members.
- The institute subscribes various journals, technical magazines and e-journals to broaden the knowledge for effective teaching.
- The advanced Labs like Mobile Computing, cloud computing, Hadoop technologies, CAD/CAM Lab, Embedded Systems, Power systems lab and PE drives lab etc. are setup in the college and latest equipment is procured in various labs of the departments to promote research among the faculty members and also to strengthen the curriculum delivery by way of conducting practical's.
- The library and computer centers are kept open from 8:00 am to 6:00 pm to the staff and students to prepare and update their course contents.
- Model rooms are created to impart basics of Engineering 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 curriculum is designed by the JNTUH.
- The departments design suitable experiments to conduct in the laboratory and to make the students to understand the concepts easily.

- The Institution conducts workshops for faculty on latest emerging technologies.
- FDP's are conducted to the faculty, when a new course is introduced in the curriculum.
- Faculty encouraged utilizing NPTEL and IUCEE lectures in their class rooms.
- Faculty is involved in course content development.
- The college also organizes expert lectures on various subjects by inviting industrial/academic experts to share their knowledge.

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

- The departments have Departmental Development Committees (DDC) comprising the eminent educationist/industrialist as members. The suggestions of these committees are incorporated in the implementation of the curriculum.
- Institute encourages the faculty members to visit Research organizations like DRDO, BHEL, BDL, CCMB, CPRI (Central power Research Institute) etc,
- Guest lectures and Workshops are arranged by experts from research organizations and industries on the latest curricular subjects.
- With the help of Alumni Association the Departments will maintain the professional relationships with organizations and industries.
- Training & Placement cell maintain professional relations with the HR managers of various companies and invite them to the college campus to interact with the students and faculty.
- The regular visit to the industries not only maintains relations with industries but also keeps the students to update their industrial skills.
- The faculty members are encouraged to submit research proposals to various research organizations/ public and private sectors to receive the research grants and promote research activities in the departments.
- All the departments have MOUs with industries.

Department	Organization	Nature of Collaboration
Electrical and Electronics Engg	Prithvi Power Systems	Student internships, Project works and Knowledge exchange Programmes
	Aqua Technologies Pvt Ltd, Hyderabad	Student internships, Project works and Knowledge exchange Programmes
	CYME Automation Pvt LTD.	Student Internships Project works Knowledge exchange Programmes
Electronics and Communication Engineering	NRK's Elegant Tech	Students internships, Project works and Knowledge exchange Programmes
	Crane Soft ware, Bangalore	Enriching the technical education and enhancing the quality of education – Interaction between Industry and Institution
	IIIT Enhance Education	Learning by doing Course content Development

Computer Science and Engineering (CSE) & Information Technology (IT)	Glob arena Technologies Pvt. Ltd., Hyderabad	Training
	Infosys Campus Connect	Training
	Coign Technologies, Hyd.	Training
	Microsoft Innovation Center	Training
	Dexter Labs, Hyderabad.	Training
	IBM Career Education Programme, Hyd.	Training
	Talent Sprint, Hyderabad	Training
Mechanical Engineering	Krikamit Engineering Pvt Ltd, Hyderabad	CAD consulting
	Premier Engineering Industries, Hyderabad	Product development and fabrication
	Frugal Technologies Pvt Ltd, Hyderabad	CAD consulting
Information technology	In Pods IIIT Enhance Education	Outcome based Education Learning by doing Course content Development
Civil Engineering	IIIT, Hyderabad Talent Sprint Reference Globe	Learning by Doing, Course content development Training for students Career Guidance

- The VidyaJyothi Institute of Technology is recognized as academic partner for remote center for conducting on line Exams of **DGCA, (Director General and Civil Aviation)**.
- The VidyaJyothi Institute of Technology is recognized as academic partner for remote center for conducting online Exams for **TCS (Tata Consultancy Service)**.
- The VidyaJyothi Institute of Technology is recognized as academic partner for remote center for conducting online Exams – for the **National Institute of Electronics and information Technology (NIEIT)**.
- VJIT recognized as a **Research centre by DRDO** and was awarded a project worth Rs.50 Lakhs.

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, specific suggestions etc...).

- The affiliating university prepares syllabus for various courses and subjects with the help of the members of board of studies.

- Faculty members are involved in the curriculum design of the Anurag Group of institutions (an autonomous institution.) as subject committee members.
- The Institution has special mechanism to achieve the curriculum objectives by regular meetings with HOD's and analyzing syllabus completion, student's feedback, verification of student's attendances, communicating with parents through mentors etc..
- After summarizing the feedback from the students, faculty and other stakeholders the college includes value added topics to the curriculum given by the JNTUH.

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.

Yes

- Establishment of Microsoft Innovation Centre in the college to conduct Microsoft Certification programmes for students.
- Signed an MOU with IIIT, Hyderabad for
- Course review and course content development of the Learning by Doing (LbD) courses in ECE and CS.
- Undergoing training provided by IIT Enhance Education.
- Use of LbD course in their classrooms.
- Use active learning methods including POGIL in their classrooms.
- Follow pre and post testing/survey for class interventions of active learning as per research plan.
- Actively work on reporting effectiveness of use in classroom (include student feedback).
- Institute has applied for **remote center** of IIT Bombay for organizing workshops on various subjects through video conferencing and to develop e-learning materials.
- To bridge the gaps in curriculum for some of the subject's curriculum is designed.
- Special lectures are arranged by external experts on the latest topics for the students. These lectures are of beyond the curriculum.
- The college is affiliated to JNTUH Hyderabad, it follows university curriculum. To strengthen the curriculum some innovative programs are added to improve the knowledge and enhance the industrial skills and leadership qualities.

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

The institute analyses and ensures that the stated objectives of curriculum are achieved by the following methods.

- The curriculum changes are discussed in the BOS Meeting.
- Taking feedback from students on course outcomes.
- Taking student feedback on faculty about content delivery.
- Taking exit feedback from outgoing students on the curriculum and its Implementation.
- Obtaining feedback from the employers on the ability of the graduates.
- Obtaining feedback from Alumni on programme outcomes.

1.2 Academic Flexibility:

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

As per the approvals of the AICTE and affiliation of the JNTUH the Institute is offering PG & UG courses only. Hence the Institute is not offering any certificate/ diploma courses. The Institution at present is offering only B.Tech, M.Tech & MBA Programs, keeping in mind the growing needs at state, national and global level. To cater the needs of the Industry and to improve the employability skills for the students, the Institution offers the following skill development courses:

- Institute giving training to all students in communication skills from 1st Year onwards.
- Institute offers Campus Recruitment Training (CRT) programme from 2nd Year onwards.
- Workshops and seminars on latest technologies are being conducted for 3rd & 4th Year students.
- Practical oriented workshops on latest Mobile Technologies, Robotics, Big data, Ethical hacking etc...
- Workshops to know the latest trends in the technology and technical knowhow in power system operation and control, energy management, co-generation etc...
- Institute is planning to start foreign language courses like German, French and Japanese.
- Through IBM Innovation Centre Training and Internship programmes offered to the 3rd Year and Final Year students.
- The institute has MOU with Talent sprint to train the 4th Year student for campus recruitment training (CRT) for placement drives.
- To have a better assessment of students the Institute has made an agreement with AMCAT to assess their employability skills.

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

NO, the Institute does not offer any such programmes.

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:

- Students are encouraged to take elective subjects to cater the needs of industry.
- Guest and expert lectures are conducted by calling senior academicians from IIT's and NIT's.
- Additional lab experiments are conducted for better understanding of the concept. For example in CSE introduced a lab in Computer Networks, in ECE introduced embedded system lab, in EEE Power systems lab & PE Drives labs.
- Frequent Industrial visits to the students to improve their practical knowledge.

Skill development:

- To develop Entrepreneurial skills among the students, the college established Entrepreneurship Development cell (EDC).
- Institute giving training to all students in communication skills from 1st Year onwards.
- Workshops and seminars on latest technologies conducting for 3rd & 4th Year students.
- Practical oriented workshops on latest technologies like Mobile Technologies, Robotics, Big data, Ethical hacking etc...

- Institute is planning to start foreign language courses like German, French and Japanese.
- Through IBM Innovation Centre Training and Internship programmes offered to the 3rd Year and Final Year students.
- In association with IBM, Hyderabad, the departments of CSE, IT conduct training programmes to II & III B.Tech students to impart IT Industry specific knowledge like “*COGNOS and ADVANCED JAVA PROGRAMMING*” to update their skills and enhance their employability
- The institute has MOU with Talent sprint to train the 4th Year student for campus recruitment training (CRT) for placement drives.
- To have a better assessment of students institute made an agreement with AMCAT to test their employability skills.
- Along with regular subjects, exclusive sessions are allotted in the class time tables to impart training on aptitude, verbal and soft skills by external resource persons.

Academic mobility:

1. To provide a platform to train the students in practical environment, to enrich their knowledge with industrial skills and to improve the scope better employment, the college has signed MOUs with the below companies.
 - Dexter Lab, Hyderabad.
 - Jawaharlal Knowledge Center, Hyderabad.
 - Coign Technologies, Hyderabad.
 - International Institute of Information Tech., Hyderabad.
 - IBM Career Education program, Hyderabad.
 - Manjra Soft Pvt. Ltd., Hyderabad.
 - Talent Sprint Pvt. Ltd.
 - Physitech Pvt. Ltd., Hyderabad.
 - Future tech Pvt. Ltd., Hyderabad.
 - Prithvi Power Systems, Hyderabad.
 - Aqua Technologies Pvt. Ltd., Hyderabad
 - Salvo Explosives & Chemicals Pvt. Ltd., Hyderabad.
 - Satya Fabricators Private Ltd., Hyderabad
 - Chemtech Industrial Equipments, Hyderabad
- The college has tie up with IBM, Hyderabad to enhance the soft skills and technical skills of the students through SEED programme.
- Frequent Personality development programmes are conducted to students by eminent motivators and Industry experts.

Progression to higher studies:

- In house GATE coaching classes by both internal and external subject experts are conducted by each department on regular basis.
 - Innovative/creative ideas of the students are transformed into technology through Microsoft Innovation Centre.

S. No.	Department	No. of Students, (M.Tech, MS, MBA)
1	Civil	-
2	EEE	36%
3	MECH	36%
4	ECE	47%
5	CSE	38%
6	IT	36%

Improved potential for employability:

- To improve the potential for employability, the college is arranging systematic and continuous pre-placement training programmes and frequent mock tests to the students from pre-final year onwards by expert trainees from external training agencies like Talent sprint, Hyderabad and Globarena Technologies, Hyderabad.
- The institute arranges conduct of tests by external agencies like AMCAT, Aspring minds Talent Sprint, Monster and Co cubes to provide 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.

Yes

The college offers the following programs. All these programs are approved by the AICTE, New Delhi and affiliated to JNTUH, Hyderabad and approved by Govt. of Telangana.

1. Name of the Self Financed Programs :

S.No.	Course	Department	UG/PG	Intake
1	B.Tech	Electrical & Electronics Engineering	UG	120
2		Mechanical Engineering	UG	240
3		Electronics and Communication Engineering	UG	240
4		Computer Science and Engineering	UG	240
5		Information Technology	UG	60
6		Civil Engineering	UG	120
7	MBA	Master of Business Administration	PG	60
8	M.Tech (I Shift)	Power Electronics & Electric Drives	PG	18
9		Computer Science and Engineering	PG	18
10		Embedded Systems	PG	24
11		VLSI Systems Design	PG	24
12		Machine Design	PG	24
13		Electrical Power Systems	PG	24
14		CAD/ CAM	PG	24
15		Structural Engineering	PG	24
16	M.Tech (II Shift)	Power Electronics & Electric Drives	PG	24
17		Computer Science and Engineering	PG	24
18		Embedded Systems	PG	24
19		VLSI Systems Design	PG	24
20		Electrical Power Systems	PG	24

2. **Admissions:** Admissions for B.Tech, M.Tech and MBA are made as per G.O.Ms.No.59,,Higher Education (EC-2) Dept., dated 13-07-2009 based on merit in Common Entrance Test EAMCET, PG CET and ICET. 70 % admissions are made under convener quota and 15% of the seats are filled by management and admitted based on the merit of Intermediate examination and EAMCET Ranks. 15% of the seats are under NRI quota.
3. **Curriculum:** The curriculum designed by the Jawaharlal Nehru Technological University Hyderabad is implemented by the College.
- 4 **Fee Structure:** As fixed by Admissions and Fee Regulatory Committee (AFRC) Government of Telangana.
5. **Teachers' Qualifications:** Teacher qualification for Technology &Engineering is M.Tech/Ph.D,for Humanities and sciences M.A.,M.Sc / Ph.Dand for management course is MBA.
6. **Scale of Pay:as per AICTE Norms**

Assistant Professor :	Rs.15600 – 39100 + AGP 6000
Sr. Scale Asst. Professor:	Rs.15600 – 39100 + AGP 7000
Associate Professor:	Rs.15600 – 39100 + AGP 8000
	Rs.37400 – 67000 + AGP 9000
Professor:	Rs.37400 – 67000 + AGP 10000

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

YES.

- To develop Entrepreneurial skills among the students, the college established Entrepreneurship Development cell (EDC).
- To develop and upgrade the technology in the fields of PLC applications, instrumentation, measurements, embedded systems, micro controllers/processor based controllers, the college tied-up with Hitech Automation.
- The college tied up with Microsoft and established Microsoft Innovation centre to enhance the programming skills of the students.

Value added Courses:

Organization	Nature of Collaboration
IBM, Hyderabad	Student Enhancement Program (SEED) being implemented to empower students in IT Skills and to get them ready for the IT Industry.
IBM Innovation Center	IBM will be continuously training the students to make them employable by facilitating 66 internships The centre will be encouraging the students to come out with innovative and creative ideas to use Microsoft Platform to initiate new enterprises.

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

NO, the University does not provide 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 integrate the academic programmes and Institution's goals, the following initiatives are taken to supplement the University's curriculum:

- Guest lectures, Seminars, Workshops, Training programmes and industrial visits are arranged to create awareness among the students on the current demands of industry.
- Assignments are given to the students on all the subjects in addition to arranging group discussions, written & oral tests, student seminars, quizzes, role plays, etc.
- The College gives impetus on Spoken English classes to inculcate good communication skills among students.
- All faculty members identify the gaps in the curriculum and include topics to bridge the gaps.
- Educational tours are organized to develop interpersonal Relationships and to create awareness about the rich heritage and Culture of our country.
- Various academic competitions are conducted for all round development of the students.
- Various short term programmes are prepared by the college to supplement the curriculum provided by the University to enhance employability.
- The Library is well stocked with books, journals, back volumes, e-books and e-journals.
- A library hour within the class time table is provided to encourage library usage by students.
- The Library is kept open from 8:00 AM to 8:00 PM from Monday to Saturday and 8:00AM to 1:00PM on Sundays and public holidays.
- Additional experiments were designed in labs beyond University Prescribed experiments
- Students were guided to take-up mini-projects and major projects.

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

- The college adheres to the syllabus designed by JNTUH, Faculty enrich it with their own expertise and experience to develop the employable and leadership qualities among the students.
- The training and placement cell regularly interacts with the HR managers of companies and utilize their experiences to improve skill set of students.
- The demands of the companies will be identified by the feedback committee and recommend to fill the lacunae with necessary and update knowledge and skills to make the students employable.
- The institution enriched and organized the curriculum by supplementing it through special training programs, Webinars and e- lectures etc. to attain the global standards.
- LCD Projectors have been used for effective instructional delivery.
- The students are encouraged to take up mini projects and main projects related to the real time problems. If necessary students are sent to industries or research organizations to collect the data, do the analysis and suggest probable solutions.

- Project Work, Mini Project, Seminar and Comprehensive Viva-Voce are made compulsory in the final semester of the programme so that the students would acquire skills to solve problems independently.

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

- Girls and boys participate in various co-curricular activities such as paper presentations, organization of paper contests, group discussions, technical quiz programmes, etc. Both boys and girls are made members of various academic, co-curricular and extracurricular activities.
- Women protection cell is established in the college to look into the problems of girl students and lady staff members.
- Awareness workshops are conducted on human rights, climate change and gender equivalence.
- Subjects on Environmental Studies and Morals & Ethics are introduced in the curriculum to create awareness on environmental issues and build unmoral and ethical values among the student community.
- ICT is embedded in the teaching learning process for effective delivery of curriculum.
- The NSS unit of the college organizes clean and green programs, avasva, Medical camps child education, Dowry deaths etc., in nearby villages to bring awareness among general public and also takes their assistance in tree plantation and keeping surroundings clean.
- Awareness programs are organized on diseases like Swine flu, typhoid etc.
- Lectures by outside experts are arranged to induct Ethical values among students.

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

- **Moral and ethical values**
- Special lectures are arranged by renowned persons to instill moral and ethical values among students.
- **Employable and life skills**
- Institute interprets the cross cutting issues such as Industry visits, Field visits, conducting Tech Fests etc.
- Institute conducts the programs on stress management and life skills heart fullness for mind regulation and to ensure holistic development of students.
- Several programmes on employable skills are conducted right from the second year level to improve the technical & soft skills of the students.
- The institute gives due importance to the co-curricular & extracurricular activities and organizes every year State level technical, cultural and Games & Sports festival for three days to develop interpersonal and decision making skills.
- Teachers day, Engineers day celebrations are grandly organized by staff and students to highlight the importance of teacher-student relationship and the role of engineers in nation building.
- The EDC cell of the college organizes awareness programmes on Entrepreneurship and Intellectual Property Rights.

Better career options

- Realizing the importance of use of computers in solving engineering problems, courses on computer languages and applications are introduced in the curriculum by the affiliating University. This enhances the capability of students to fit into any type of Industry.
- Training and Placement Cell interacts continuously with employers and identifies the new areas of knowledge in demand and new career options available and train the students to enhance employability.

Community orientation

- The NSS Unit of the college involves the students in social service activities by arranging special camps in nearby villages.
- The college NSS team regularly organizes social camps in surrounding areas and villages to create awareness among the public community on various social, moral, ethical principles and ways of life.
- NSS unit of the college has adopted a school in Himayath Nagar and provides required help to school children to pursue their education.

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

The feedback is taken from stake holders to enrich the curriculum,

- The exit feedback is taken on all aspects including curriculum and training programmes. The views of the students on curriculum are well received and the relevant suggestions are communicated to the affiliating university staff whenever they visit the college as examiners.
- The views of the students on training programmes arranged by the departments and training and placement cell are taken and accordingly improvements are made in these programmes wherever necessary.
- Based on the opinion of industry experts required topics are introduced in the curriculum to suit the requirements of the industry.
- Institute offers suitable projects and enriches the curriculum using the feedback.

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

- **Monitoring**
 - The training and placement cell conducts tests on their training programmes to assess the effectiveness of training.
 - Feedback is taken on all quality enrichment programmes at the end and suitable modifications are effected wherever necessary.
- **Evaluation**
 - The impact of quality enrichment programmes is assessed by analyzing the examination results and placements.
 - Feedback from stakeholders is also used to enrich programmes.
 - Quality Assurance Cell is established in the institution to evaluate the quality of enrichment programmes besides curriculum.
 - The college has been consistently improving the quality of teaching by arranging pedagogical training to its faculty, and to motivate them further to Research & Development (R&D).

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?

- As an affiliated college of JNTUH-Hyderabad, does not have any role to play in the preparation, design and development of curriculum. Therefore question of suggesting any suggestion does not arise.
- To enrich the curriculum faculty members regularly attend workshops and seminars related to Curriculum design.
- As an affiliated college of JNTUH-Hyderabad, does not have any role to play in the preparation, design and development of curriculum. Therefore question of suggesting any suggestion does not arise.
- The following faculty members have been nominated as member's indifferent board of studies of Anurag group of Institutions, Venkatapur, ghatkesar. and Anurag Engineering College, Kodad

S.No.	Name of the Faculty	Subject	Period
1	Dr. P.Venu Gopal Reddy Prof of Physics &Director	Engg, Physics	2013-2014&2014-15
2	Prof. S.M.Zafarulla Prof &HoD,	EEE	2013 -2014 BOG EEE
3	Dr.V.Venkata Krishna	CSE	2012-15 BOG IT,BOG CSE
4	Dr.R.Ramakrishna	H&S	2012-15 BOG Mathematics

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

Yes

- Feedback is obtained from the outgoing students on curriculum and suggestions are incorporated as add on topics for Curriculum Enrichment.
- The feedback is also used internally to enrich the content and also fill the gaps in the curriculum by introducing extra topics.
- Student's Council meetings are organized almost every month to get feedback from the students.
- Alumni meets are organized to obtain their views on curriculum and training and implement their suggestion to the possible extent as an add on topics.
- Interactive sessions between the college officials and parents are regularly conducted to invite their suggestions with regard to curriculum and the training offered by the institute.
- Based on the suggestions received from the knowledgeable parents, HODs fulfill the gaps in the curriculum by adding extra content or conducting extra classes. .
- Additional laboratory hours are provided to conduct experiments beyond the syllabus to enrich the practical knowledge of the students.

- The library and laboratory resources are updated whenever curriculum changes are made. The library and laboratory resources are updated and the required books, journals and equipment is procured to meet the needs of the stakeholders.

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?

Any other relevant information regarding curricular aspects which the college would like to include.

The college introduced six Post Graduate programs and one Under Graduate programmes during the last four years. The details are given below:

Sl.No	Year of Duration	UG/PG	Course	Duration of the Course
1	2011-12	PG	Power Electronics and Electrical Drives	2 years
2	2011-12	PG	Computer Science and Engineering	2 years
3	2012-13	PG	Embedded Systems	2 years
4	2012-13	PG	VLSI System Design	2 years
5	2013-14	PG	Electrical Power Systems	2 years
6	2013-14	PG	Machine Design	2 years
7	2013-14	UG	Civil Engineering	4 years
8	2014-15	PG	Structural Engg	2 years
9	2014-15	PG	CAD/CAM	2 years

Rationale for introducing new courses

Due to mushroom growth of engineering colleges in the state there is a dearth of qualified faculty in engineering colleges, there has been a lot of demand for post graduate courses in different specializations of Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering and Computer Science Engineering. In the present scenario knowledge is the precious commodity. Research and Development plays a key role to stand among the competitive world. To attain the same PG education is an essential element. In view of the above, it was intended to start new PG courses.

There is a dearth of B.Tech Civil Engineering graduates in the State. Only a few Engineering Colleges were offering B.Tech Civil Engineering course. This has made the college to start B.Tech Civil Engineering course in 2013. There is a lot of demand in UG Engineering courses such as Mech, ECE, CSE. Therefore intake is increased in the above said courses.

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 follows the guidelines given by Telangana State Council of Higher Education (TSCHE), Government of Telangana in the admission process.

To create awareness about the Institute and its academic activities is achieved by giving advertisements in National and Regional English, Telugu and Urdu news papers, College websites, Hoardings, Brochures and Education fairs.

A-Category seats are filled through TSEAMCET Counseling.

B-Category seats:

The college gives advertisements in newspapers for admissions to B-Category (Management/ NRI quota) seats and spot admissions for B.Tech, M.Tech, and M.B.A courses. Interested candidates can download the application from college website and they have to submit the filled in application to the principal or through online. The B-category admissions also filled as per the guidelines given by the state council of higher education. The institute fills the B-Category admissions on the basis of merit. The merit list is displayed on the notice boards. The State Council of Higher Education approves the B-Category admissions.

Brochure & Handbook

Along with application form college brochure and handbook which highlight the vision, mission, courses offered, details of the senior teaching staff and amenities and other infrastructural facilities.

College website

- The college has a regularly updated website vjit.ac.in which provides all information about the college.
- Rules and regulations of Telangana State Higher Education relating to eligibility and the admission procedures are given in the website.
- The transparency in the admission process is ensured through the following processes:
- The availability of seats in various categories and fee payable are posted on the website.
- The list of selected candidates along with their rank and selection criteria for all the programmes is posted on the website.
- The Department wise Staff details & Infrastructure facilities etc. are posted on the website.
- The Curricular, Co curricular and extra curricular activities are posted on the website.

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.

ENGINEERING:

This institute is offering 6 UG and 9PG professional courses. As per Telangana State Council of Higher Education (TSCHE) norms 70% students of UG and PG programmes

are admitted through centralized admissions organized by the government (EAMCET for UG and GATE/ PGECET for M.Tech, ICET for MBA).

The remaining 30% students (B-category, i.e. Management/ NRI) are admitted by the institution. Advertisement is given by the institution in the popular regional news papers about B-category seats. Application form for B-category seats is made available in the college website and can be downloaded from the website. Merit list is prepared from the applications received and placed in the college website and notice boards.

20% of the seats for lateral entry admissions into second year for diploma holders are allotted by the convener, E-CET.

MBA: This institute is offering one PG programme - MBA. As per TSCHE norms 70% of seats are filled through centralized admissions organized by the convener, ICET. The remaining 30% B-category seats are filled by the institution following the same guidelines as per B-category admissions into B.Tech.

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

1. Criteria followed for A-Category (Convener Quota) admissions:

- First B.Tech– EAMCET Ranks
- M.Tech - GATE / PGECET Ranks
- MBA – ICET Ranks

B-Category (Management Quota) admissions: Criteria followed for admission in to the B-Category seats is as follows

Eligibility Criteria for admissions (Cat B Seats) and order of merit:

(i) **NRI** - *The institutions that are approved by All India Council for Technical Education and permitted to fill NRI seats not exceeding 15% of the sanctioned intake in each course for the academic year shall admit NRI candidates (sons and daughters of NRIs) who have passed the qualifying examination with not less than 50% marks in the prescribed group subjects or 50% aggregate marks in the qualifying examination or Cumulative Grade Point Average (CGPA) equivalent to 5 on a scale of 10.*

(Non Resident Indian (NRI) candidate means a candidate born to a parent of Indian origin residing outside the country and who has passed the qualifying examination or its equivalent".)

(ii) **JEE (Mains)** - The remaining seats shall be filled on merit basis with candidates including from other States and Union territories who have given All India rank at JEE (Mains) and secured not less than 45% of marks in the prescribed group subjects in the qualifying examination.

(iii) **TSEAMCET** - The seats remaining unfilled from the above shall be filled with eligible candidates, who have qualified the TSEAMCET examination on merit basis following eligibility criteria laid in rule (4) of G.O's.74 & 75, Dated 28.07.2011.

(iv) Thereafter, if any seats still remain unfilled such seats may be filled on merit basis with candidates securing not less than 45% (40% in case of candidates belonging to reserved categories) of marks in the prescribed group subjects taken together/ aggregate marks in the qualifying examinations, as prescribed.

TABLE –B
Course-wise Lowest & Highest Ranks for PG-M.Tech Programmes

Category	GATE / PG CET Ranks															
	PEED		CSE		EMBEDDED		VLSI		EPS		M DESIGN		Structure Engg		CAD/CAM	
	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest
2015-2016																
OC	876	2173	38	1397	1314	2486	320	3030	796	1067	-	-	104	549	1251	3703
BC-A	2611	-	1795	-	3864	7370	3601	-	1632	-	-	-	2471	-	2443	-
BC-B	816	2403	3693	4200	1430	2901	4200	4526	1390	11466	-	-	189	919	1477	2267
BC-C	-	-	-	-	6429	-	-	-	-	-	-	-	-	-	-	-
BC-D	2181	-	624	3946	2656	-	5061	-	1692	2489	-	-	530	1512	271	2687
BC-E	1934	-	2414	23991	635	-	-	-	-	-	-	-	2789	-	2038	3346
SC	4066	-	2037	4839	1211	5730	4359	6367	2937	4743	-	-	1472	4240	4012	4200
ST	2380	3788	-	-	4017	-	3464	-	1178	1528	-	-	580	1362	2514	-
NCC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sport	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE – C
Course-wise Lowest & Highest for PG – MBA/MCA Programmes

Category	ICET Ranks	
	MBA	
	Lowest	Highest
2015-16		
OC	1442	39646
BC-A	6492	30910
BC-B	5129	46659
BC-C	-	-
BC-D	7770	38485
BC-E	36333	-
SC	16255	57701
ST	56490	-
NCC	-	-
PHC	-	-
CAP	-	-

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 process of admissions is totally under the control of the TSCHE, Government of Telangana.
- So, admission process cannot be reviewed by institute. Even though admission process is uniform across the state, admitted students’ profiles are reviewed by the Institute every year. Institute highlights its achievements in media to improve its profile and attract better students.
- The college verifies and review all the profiles of the students admitted annually. The Institution has well designed mechanisms. The administrative section regularly monitors and provides information to the academic heads for proper

corrective measures. The department has faculty committee to monitor and motivate the students by providing the strengths of the institute to join our institution. The strengths of the institute such as experienced faculty, well established infrastructure, mentoring system, conducting remedial classes, counseling to the students with a negative approach etc.

Outcome:

As a result of these activities in the last five years, the college has noticed a continuous growth of students in academics and discipline wise. The students have learnt to energize their positive attitude to increase their potential into many constructive activities and got placed in reputed industries. Review of the admission process and the subsequent analysis of the student profiles will help the admission process.

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

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

The process of admissions is totally under the control of the TSCHE, Government of Telangana.

- **SC/ ST/ OBC**
- The admission procedure for SC/ ST/ OBC 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 students as per TS Government norms.
- **Women**
- Government provided 33% reservation to women students in convener quota as per reservation policy of the state government. They can also compete under open category.

The no. of girl students admitted during the last four years is given below:

Program	Course	2015-16	2014-15	2013-14	2012-13
B.Tech	CE, EEE, ME, ECE, CSE,IT	245	210	210	154
M.Tech	DECS, ES, CSE, PEED,CS	71	40	58	47
MBA	----	16	18	5	12
MCA	----		-	-	-

Physically disabled

- Physically disabled students are allotted seats as per the reservation policy of the state government.
- Classes are held at the ground floor for physically challenged students. Lift is available for them to go to labs or computer centre in the first and second floors. Separate toilets are provided for such students.

Economically Weaker Sections of the Society

- Economically Backward Class (EBC) student's also given EBC Scholarship by the State Government as per the TS Government norms.
- The Management also provides some special benefits to the EBC students such as fee concession, free books. Free transport etc..

Minority community

- The institution has given reservations to the students belonging to minority community. Reservation is available to the minority community under BC-E category as per the state government's policies.
- The college offers every possible help to the students belonging to this community in every aspect like scholarships etc.
- Minority students admitted during last four years are given below:

Program	Course	2015-16	2014-15	2013-14	2012-13
B.Tech	EEE, ME, ECE, CSE, IT, CIVIL	50	42	23	19
M.Tech	VLSI, ES, CSE, PEED, EPS&MD	12	2	5	8
MBA	----	2	2	-	1
MCA	----	-	-	-	-

Any other

Athletes and sports persons

The students who participate at Regional, National and International level sports are given admissions based on their excellence in athletics or sports. The college offers them some concessions.

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.

2015-16

S.No.	Program	Students Course	Students intake	Admitted
1	UG	Civil Engineering	120	107
2		Electrical & Electronics Engineering	120	107
3		Mechanical Engineering	240	217
4		Electronics & Communication Engineering	240	240
5		Computer Science and Engineering	240	240
6		Information Technology	60	60
Total			1020	971
1			24	14
		VLSI 1 st shift		
2		VLSI 2 nd shift	24	15

3	PG	Embedded Systems 1 st shift	24	16
4		Embedded Systems 2 nd shift	24	12
5		Computer Science and Engineering 1 st shift	18	15
6		Computer Science and Engineering 2 nd shift	24	12
7		Power Electronics & Electric Drives 1 st shift	18	7
8		Power Electronics & Electric Drives 2 nd shift	24	9
9		Electrical Power Systems 1 st shift	24	12
10		Electrical Power Systems 2 nd shift	24	10
11		CAD/CAM	24	14
12		Structural Engg	24	22
13		Master of Business Administration	60	37
5	Total		336	195

2013-14

S.No.	Program	Students Course	Students intake	Admitted
1	UG	Civil Engineering	120	102
2		Electrical & Electronics Engineering	120	95
3		Mechanical Engineering	240	212
4		Electronics & Communication Engineering	240	226
5		Computer Science and Engineering	240	234
6		Information Technology	60	52
Total			1020	921
1	PG	VLSI 1 st shift	24	9
2		VLSI 2 nd shift	24	6
3		Embedded Systems 1 st shift	24	13
4		Embedded Systems 2 nd shift	24	7
5		Computer Science and Engineering 1 st shift	18	8
6		Computer Science and Engineering 2 nd shift	24	6
7		Power Electronics & Electric Drives 1 st shift	18	9
8		Power Electronics & Electric Drives 2 nd shift	24	6
9		Electrical Power Systems 1 st shift	24	14
10		Electrical Power Systems 2 nd shift	24	11
11		Machine Design	24	4
12		CAD/CAM	24	6
13		Structural Engg	24	17
14		Master of Business Administration	60	34
Total			360	150

S.No.	Program	Students Course	Students intake	Admitted
1	UG	Civil Engineering	60	58
2		Electrical & Electronics Engineering	120	100
3		Mechanical Engineering	240	239
4		Electronics &CommunicationEngineering	240	238
5		Computer Science and Engineering	180	175
6		Information Technology	60	37
Total			900	847
1	PG	VLSI 1 st shift	24	17
2		VLSI 1 st shift	24	14
3		Embedded Systems	24	16
4		Computer Science and Engineering 1 st shift	18	16
5		Computer Science and Engineering 2 nd shift	24	13
6		Power Electronics & Electric Drives 1 st shift	18	11
7		Power Electronics & Electric Drives 2 nd	24	11
8		Electrical Power Systems 1 st shift	24	16
9		Electrical Power Systems 2 nd shift	24	14
10		Machine Design	24	10
11		Master of Business Administration	60	20
Total			288	158

2012-13

Sl. No.	Program	Students Course	Students intake	Admitted
1	UG	Civil Engineering	--	--
2		Electrical & Electronics Engineering	120	105
3		Mechanical Engineering	180	175
4		Electronics & Communication Engineering	180	177
5		Computer Science and Engineering	180	176
6		Information Technology	60	42
		Total	720	675
1	PG	Power Electronics & Electric Drives 1 st shift	18	17
2		Power Electronics & Electric Drives 2 nd	24	22
3		Computer Science and Engineering 1 st shift	18	18
4		Computer Science and Engineering 2 nd shift	24	23
5		VLSI	24	20
6		Embedded Systems	24	24
7		Master of Business Administration	60	34
Total			192	158

Keeping in view of the demand for different courses, the number of seats (intake) is increased over the years.

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 institution is fully adhering to Telangana Government policies regarding the needs of differently-abled students.
- In case of extreme physical disability, class work is arranged in the ground floor.
- Students having vision and functional disability are provided with scribes during examinations.
- Extra time is allotted for laboratory classes and special care will be taken for such students.

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

The institute assesses the student's needs in the following ways

- The college arranges “**Awareness Programme**” to the parents and students admitted in B.Tech I year before the commencement of the classes regarding facilities, faculty expertise, rules & regulations of the college. The students and parents are encouraged to express their problems and elicit other information during programme.
- Orientation classes are arranged for newly admitted students before commencement of class work.
- Before the commencement of the regular classes the bridge classes are arranged for students as the students enter engineering college from three different school streams viz., State board (vernacular and English medium), CBSE and ICSE to cope up with regular subjects.

2.2.3 What are the strategies drawn and deployed 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?

The strategies drawn and deployed by the institution are

- The institution conducts remedial classes/ tutorial classes for slow learners in different subjects.
- Class tests are conducted to students to assess their level of knowledge.
- Guest lectures by eminent personalities and Industrial experts to enhance their skills and competence.
- Personality Development programmes are conducted to improve their personality and to motivate them for an innovative and creative mindset.
- English Language Communication Skills (ELCS) lab has been established to improve English proficiency of the students.
- Visits are arranged to create awareness on the pollution control measures taken by different industries.
- Add-on courses such as professional ethics environment studies, patent rights, self defense, yoga classes, meditation and first aid are organized for advanced learners to enhance their learning abilities.
- College arranges free transport for all the students who attended the remedial classes beyond college timings.
- Bridge courses are conducted for lateral entry students.

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

- The institution holds the tradition of imparting holistic education with emphasis on ethical and moral principles.
- The college, being co-educational institution sensitizes its staff and students on issues such as gender inclusion, environment etc by holding seminars on the relevant topics.
- A women empowerment cell is formulated headed by Chairman, one lady faculty member from each department (if available) as members. This cell looks after the welfare of girl students and lady staff members.
- Celebration of women's day by teachers and students is also a part of women empowerment programme.
- Conducting seminars with eminent local social workers.

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

- There is a stream lined mechanism for continuous monitoring and evaluation of the students. This system helps to identify advanced learners.
- The advanced learners are identified based on the performance in group discussions, quiz competitions, internal exams, and end semester exams.
- Advanced learners are continuously encouraged to strive for higher goals by providing them additional inputs for better career planning and growth like:
 - ✓ Assigning seminar topics on current trends.
 - ✓ Offering special coaching for GATE, GRE and CAT exams.
 - ✓ Topics on content beyond syllabus are taught.
 - ✓ Encouraging them to prepare for competitive examinations like GATE, CAT etc.,
 - ✓ Encouraging them to participate in classroom seminars, group discussions, technical quizzes etc. for developing analytical, problem solving and presentation skills.
 - ✓ Motivating to access latest online journals, reference materials and help them to understand the emerging trends in their field of study.
 - ✓ Motivating to participate in in-house research activities.
 - ✓ Encouraging them to participate in national level paper contests, seminars and project exhibition competitions.
 - ✓ Providing opportunity to develop their creativity by organizing inters collegiate and state level cultural, literary, and technical and sports competitions.
 - ✓ Encouraging them to take specialized training through certificate courses.
 - ✓ Appointing them as student representatives at the department level committee to develop leadership skills.
 - ✓ Assistance in helping the slow learners especially during the conduct of tutorials which will enhance their communication skills.
 - ✓ CRT classes are conducted to improve their performance in the placements
 - ✓ Encouraging students to participate in International summer internships.
 - ✓ Encouraging students to participate in International conferences.
 - ✓ Active participation in professional chapter such as SPIE/OSA/ IEEE/ CSI etc.

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 dropout (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)?

- Slow learners and students at risk of dropout are identified from the disadvantaged sections of society, physically challenged and economically weaker sections after observing their performance in group discussions class tests and first mid examinations etc..
- Mentors are appointed to interact with slow learners personally to avoid dropouts.
- One faculty member is assigned as mentor for 20 students. The mentor assesses the nature of their problem. Students with psychological/ emotional problems are also motivated in a friendly way to reach their academic goals.
- Special motivation classes are conducted by Psychologist to overcome their inferiority complex.
- Special classes are conducted to improve their language skills.
- Remedial classes are conducted for slow learners.
- Poor performance due to frequent absenteeism is dealt with by informing over phone and sending registered letters to the parents of such students.
- Teachers prepare separate learning material for slow learners.
- All the staff members maintain good relations with students and deal with their problems in a sympathetic manner.
- The departments maintain the academic record of all such students.

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

- The academic calendar issued by the affiliating university JNTUH is followed.
- It is included in the student handout and also placed in the college website.
- The department level academic calendar, prepared keeping in view of the University academic calendar, includes different activities to be organized by the department.

ii) Teaching Plan

- Head of the department conducts meeting with the faculty before commencement of the semester in which subject allocations are made.
- Timetables are prepared and displayed in the department notice boards. every faculty member prepares a course file.
- Laboratory manuals are prepared and are available in the Labs.
- Review meetings are arranged periodically to review the coverage of syllabus.
- Teacher uses teaching aids like OHPs, LCDs whenever they are necessary.
- Unit-wise class tests are conducted.

iii) Evaluation

- Examination are conducted and evaluated as per JNTUH norms.
- Two mid examinations in theory and one internal lab examination are conducted in each semester.
- The department will carry out internal assessment on all subjects.
- Continuous evaluation procedure is followed for practical subjects.

- Internal marks are awarded following University guidelines.
- However, University conducts end semester examinations in both theory and practical subjects and arranges valuation.
- Evaluation of mini-projects and main projects is also under the purview of the University.

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

IQAC is formed with senior academicians. IQAC conducts review meetings every month with every department and assess the progress in academics,

- IQAC conducts Periodically FDP's on teaching methodologies, communication skills and recent transformations in engineering education
- IQAC monitors the teaching abilities of faculty and take measures to improve teaching skills.
- Collaborations with IUCEE in teaching and learning practices to improve quality of teaching.
- Implementation of Teaching / Learning process using Multimedia lectures, CBT lectures, NPTEL video lectures, IUCEE webinars etc.
- Faculty Orientation Programmes are organized in the beginning of every academic year in basic pedagogy
- Faculty certification program training by International Society for Engineering Education
- Faculty gave lectures in GENTLE: Global Education network for teaching & learning.
- Faculty course content development : Faculty are involved in course content development in collaboration with IIIT enhance education.
- Guest lecturers in various domains by eminent academicians, Technologists, researchers etc.
- STEM (Science, Technology, Engineering & Mathematics) based training to meet global needs
- Implementation of Project based Learning by faculty in the departments.
- Faculty self-appraisal done at the end of every academic year.
- Incentives to faculty for research, research publications and qualification up gradation.
- To nurture and fortify the skills of the students and faculty all the departments has Departmental Associations.
- Departmental Associations and clubs are functioning along with various National and International Professional Bodies like ISTE, ACM, CSI and IETE Institutional and Students Chapters.
- Publication of College Magazine Cartwheel.
- IQAC monitors the faculty to use latest teaching methodologies in the class room.
- IQAC encourages staff members to publish papers in reputed Journals.
- IQAC help faculty members to write research proposals to UGC, DST, AICTE and ISTE.
- Development of Quality benchmark / parameters for various academic 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, Academic quality audit periodically.

- In addition self-assessment report from faculty is collected and analyzed.
- Students Feedback is collected and analyzed to improve the quality of teaching and necessary action taken on the faculty with low feedback.

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

- The college offers support services to the teachers for making the learning student centric.
- Faculty gives more importance to student centric learning rather than teacher centric.
- The college organizes guest lectures and arranges industrial visits for students to develop their interactive, collaborative and independent learning.

Interactive learning

- The college provides state of the art seminar halls and e-class rooms where students participate in group discussions, debates and seminars.

Collaborative learning

- The college has the facility of teaching aids such as OHP, LCD projectors, broadband internet connectivity, Wi-Fi connectivity.
- The department maintains department libraries and internet facility to access all the journal, e-material, e-books etc., through library server enabling the students and faculty to keep abreast of the latest developments in their respective fields.
- Institute periodically conducts orientation programmes/ workshops on new pedagogy methods to the faculty.
- To implement the transformations in Engineering Education, faculty sponsored for International workshops.
- To implement student centric teaching in class rooms faculty are exposed to Problem based learning, Outcome based Education, Effective teaching and learning through attending international and National conferences.
- Project based learning was implemented in the class rooms by the faculty.
- Institute ensures that every year to conduct a three day workshop for students for collaborative learning, where students work on particular themes like **21st grand challenges of Engineering, Engineering Education without borders** and finally come up with action plans and presenting their ideas in a team.
- In addition to this institute encourages departments to conduct hands on experience workshops Android applications, Robotics etc for students.
- Institute encourages students to work on the projects that are benefiting the society.

Independent learning

- The college provides well stocked library which consists of bulk of books, journals, project reports and other teaching material for use to students and faculty.
- The department provides well equipped labs for improving programming skills & logical thinking.

- Faculty and students has got the access to NPTEL, IUCEE video lectures for effective teaching learning practices.
- Interactive lectures with Industry experts are initiated.
- Students are encouraged to do projects starting from first year on the basics / fundamentals of subjects
- Students are encouraged to take up engineering projects in community service.
- Active learning strategies like think pair share, Minute paper, just in time assignments and peer tutoring are practiced in the class rooms.

Alumni:

- Regular Interactive sessions with alumni of college in the class rooms to share their industry and academic experiences.

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 to nurture critical thinking 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.
- Students are encouraged to come out with innovative ideas to foster scientific temper.
- Students are encouraged to participate in IDEA CONTESTS conducted by reputed institutes IIT, BIT'S, IIIT and JNTU EXCITE Programmes.
- Students are encouraged to take up industry oriented projects.
- Students are encouraged to gain knowledge in inter disciplinary subjects through electives, seminars and discussions with experts.
- The college encourages participating in games & sports, NSS and other social activities to enhance their team work skills, self esteem, leadership quality and personality.
- To hone critical thinking process of students various group discussions, debates and seminars are organized in which students explore new ideas.
- Hobby workshops in all the departments are encouraged to get hands on experience.
- Problem solving skills are inculcated in students.
- College organizes the events such as paper presentation, Software development competitions, Problem solving competitions, Poster competition for develop creativity and critical thinking among the students.
- College also encourages and guides students to participate in the national competitions organized by other colleges and universities.
- College invites eminent scientists, entrepreneurs and industry persons and the personalities share their success stories with students.
- College encourages technical writing. Students write scientific articles in the leading news papers and in campus magazine Cartwheel.
- College students are involved in industry sponsored projects and research projects which help them to make them lifelong learners and innovators.
- Alumni meetings are arranged once in a year. The meeting provide the students to interact and learn from the industrialists and entrepreneurs. They also motivate the students to excel in their future endeavor.

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.

Efforts are made to maximize the use of Modern resources and aids to improve the teaching in class rooms

- **E-learning Resources**
 - Modern teaching aids like OHP, Multimedia, Projectors, and Internet enabled Computer systems are used for class room instruction as well as other student learning experiences.
 - The students are also encouraged to use computer software packages for their projects.
- **NPTEL**
 - NPTEL video courses on various subjects are provided in the library and Departments.
- **E- Journals**
 - College made available the IEEE journals, free e- journals of AICTE and online journals
 - SONET CD'S
 - Faculty utilizes IIT's /IIT Enhance education course content
 - Indo US collaboration of Engineering education webinar series.
 - Faculty utilizes online resource course material of different International and National Universities.
 - Wi-Fi facility in the campus.
 - Use of multimedia projectors in the class room.

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

- IQAC conducts Periodically FDP's on teaching methodologies, communication skills and recent transformations in engineering education
- IQAC monitors the teaching abilities of faculty and take measures to improve teaching skills.
- Collaborations with IUCEE in teaching and learning practices to improve quality of teaching.
- IQAC monitors the faculty to use latest teaching methodologies in the class room.
- IQAC encourages staff members to publish papers in reputed Journals.
- IQAC help faculty members to Wright research proposals to UGC, DST, AICTE and ISTE.
- The staff members are encouraged to participate in short-term courses, staff development programmes and workshops on advanced topics to enhance their level of knowledge.
- Guest Lectures/ Workshop is organized by inviting experts and resource persons on advanced topics for the benefit of students and faculty.
- Industrial tours are arranged for the students for practical exposure.
- Faculty members are encouraged to participate/ present papers at national/ international seminars /conferences.

- The departments conduct paper contest, poster presentation, and technical exhibition etc. under departmental association activities.
- The college arranges state level competitions in literary & cultural, sports & games and technical paper contests during PHOENIX Tech fest organized each year.
- Teachers deliver “Content beyond syllabus” beyond their class room instruction.

2.3.7 Detail (process and the number of students/ benefited) on the academic, personal and psycho-social support and guidance services (professional counseling / mentoring/ academic advice) provided to students?

- **Academic:** Slow learners are identified and are given special card.
- The mentors carefully monitor the regularity of attendance and the performance of the students in internal evaluation tests and end semester examinations. Accordingly, the students are counseled and also remedial classes are conducted for poor performers to improve their performance in the subsequent examinations.
- Mentors are allotted for each class or group of students to provide academic and personal guidance. Usually, one faculty member is assigned as counselor for a group of 20 students.
- **Personal:** Some of the rural students lacking confidence, having inferiority complex are dealt with and confidence is infused. They are made to walk along with the rest of the students to build their confidence.
- **Psycho - social:** Students with rural background are advised to work in the Language Lab after college hours.
- All the students get the academic and personal guidance from the concerned teacher.
- The training & placement department do professional counseling of the students.
- NSS activity also gives the social ethical awareness among student. It also gives training for psycho-social support.
- The personality development programs are organized from external experts.
- HOD’s also counsel the students and tries to improve confidence levels in them.
- The class committee meetings which are organized for each class have proven to be an effective channel for the students to express their views and problems directly to the Head of the Department.

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?

- Each department is provided with LCD & E- class room.
- College has spacious seminar halls which are utilized for innovative teaching approaches.
- The use of modern multi-media teaching aids like OHP, LCD projectors, Internet enabled computer systems are used in e- classrooms
- Project based learning in the courses was implemented for better understanding of the subject.
- Out come based education is introduced.
- The students are also encouraged to use computer software packages for analyses and experimental work of their projects.

- The college encourages teachers to enhance their subject knowledge and research in their respective fields using library resources and software.
- Creative assignments are prepared by the faculty in all the subjects and students are asked to prepare the solutions by referring the books and other learning materials.
- Seminars / symposia are conducted regularly every year to bring out inherent talents of the budding engineers. Special guest lectures are also arranged on the latest topics by eminent academicians/ industrialists.
- The faculty members are encouraged to participate in National/ International level seminars.
- The faculty members share their knowledge with staff and students
- English language communication skills lab is established to improve the verbal skills of the students.
- Computers are used for teaching purpose and internet facility is available to students and faculty.
- Well structured lesson plans are prepared/ revised for all theory and practical courses on a period to period basis, scrutinized by HODs and made available in the website for student's access.
- Research and R & D are promoted and encouraged and efforts are made to obtain sponsored R & D and consultancy projects.
- The teachers circulate important problems, assignments, lecture notes and other relevant materials to the students.
- Formation of different groups among the students and encouraging peer learning,
- The students are given many tasks such as group assignment completion, problem solving and mini projects. These activities help the students to learn on their own about the developments which are occurred in their field of study.
- Faculty prepares question bank for the students.
- Faculty uses collaborative learning and active learning.
- For conceptual understanding of the subject, special projects are given to students.
- Faculty makes special laboratory setups for clearly understanding the principles of the subjects.
- The impact of extensive use of electronic aids resulted in better presentations by students in national and international seminars leading to several awards. The web based lessons have made a tremendous impact on teaching-learning environment.

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

- The college has a central library (inclusive of 3 blocks) with a total plinth area 1029.4sqm. With all modern facilities. The library has the following resources:

Titles	:	5078
Total No. of Volumes	:	28147
Reference Books	:	4211
Library Automation	:	Library maintenance is computerized and Barcoding Technology is used. Library books are classified as per DDC.
E-Books	:	5970 (McGraw-Hill-1124, Springer-1500, TaylorandFrancis-1000, Cambridge-1000, HBA-65, ISES-382, O xford-902)
E-journals	:	4938
Print Journals	:	286
Book Bank for SC/ST	:	2193
Project Reports	:	561

Digital Library

Number of Computers	:	15
Board Band internet		
Connectivity	:	12Mbps.
Library Server	:	IBM 2.0 Xerox Server, 2GB RAM, 2X250GB Tata TDD
Library Networks Membership	:	IEEE/ DELNET/ NLIST/ ASME
Discussion Rooms	:	
Video Projection Room	:	
Satellite Enabled Sources	:	
E-Learning Material	:	6000 Hours of NPTEL Video Courses NPTEL web courses on 127 Subjects Learning-Materials for all Engineering Programmes.
Media Resource Centre	:	Xerox, Printing & Document Scanning Facility
Number of users per day	:	180 (On average)

- The students are encouraged to utilize the learning materials available in the library.
- The faculty and students go through the video lectures like NPTEL, NME –ICT of Professors from IITs.
- The faculty and students refer the online and print journals to publish/ present technical papers.
- Students refer the e-learning resource material available in the digital library to enhance their technical knowledge and understanding of the subjects.
- The library and Internet centre are kept open beyond the working hours of institution. Students can download the required technical material with free of cost.
- An awareness seminar on “How to use library resources effectively “is usually conducted every year by the college librarian for newly admitted students.
- Book bank scheme facility available. Books will be issued for one semester and three will be issued on renewal basis.

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.

YES.

Though the institute could complete the curriculum within the time frame stipulated by the University, it has sometimes faced the following challenges:

- a) Due to late admissions at first year level, the instruction period is usually less. Faculty takes it as a challenge and completes the syllabus in time by conducting extra classes.
- b) Sometimes teachers need to conduct bridge course particularly to the lateral entry students admitted into second year.
- c) Unforeseen interruptions such as bandh calls given by political parties, student organisations etc to the class work are compensated by arranging extra classes beyond working hours. Conducting classes on second Saturdays and on holidays etc.
- d) HOD monitors the syllabus coverage in every subject and suggests suitable remedial measures to the teachers concerned.

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

Quality of Teaching

It is monitored through feedback from the students every Semester/ Year. The Principal and HOD go on rounds and randomly choose a class to monitor the teaching methodology by attending the class.

- The feedbacks are taken from the student's one at middle of the semester and second at the end of the semester.
- The feedback is analyzed and evaluated on the scale of 10 and every teacher provided with a copy of feedback for necessary improvement. Faculty below 5 point scale is counseled by the head of the department, Principal and Director if required.
- The administration also receives the feedback by interacting with a selected group of students in each class.
- Monitoring is done through class monitoring committees (CMCs) to assess the uniformity in syllabus coverage, and quality of teaching.
- New / creative assignments are prepared every year in all the subjects.
- Class reviews committees are conducted by the principal to analyze the teaching capabilities of faculty.
- Orientation programmes on new teaching and learning methods are conducted to improve the quality of teaching.
- Refresher courses for the faculty on new teaching methodologies.
- **Classroom environment:** Well-suited ambience for learning. Learning activities and a variety of teaching methodology revitalize the class room environment and is made lively by giving importance to teacher-student interaction and peer-group interaction.
- **Student Performance:** The performance is monitored through Continuous Assessment Test (CAT), Seminars, and Power Point presentations. There is a marked improvement from the entry level in student performance by way of academic knowledge, application skills and soft skills.

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
(ACCREDITED BY N.B.A., APPROVED BY A.I.C.T.E., PERMANENTLY AFFILIATED
TO JNTUHY) MONIABAD, R.R. DISTRICT

Course: B.Tech
Academic Year 20-20

Branch: Year & Semester: Section:

Dear Student,

You are advised to give your opinion on the teaching faculty under the below mentioned point. It will help the administration to improve and also maintain the quality of teaching: your response will be kept confidential. Rate on a 10 point scale.

10	9	8	7	6	5	4	3	2	1
Excellent	Extremely Good	Very Good	Good	Moderately Good	Moderate	Tolerable	Poor	Very Poor	Extremely Poor
S.No.	Subject/ Name of the Faculty								
1	Subject Knowledge								
2	Communication Skills								
3	Commitment								
4	Regularity and Punctuality								
5	Motivation provided								
6	Content of Lecture								
7	Explanation of the subject with real time examples								
8	Clarification of doubts								
9	Usage of modern aids								
10	Professional behavior								

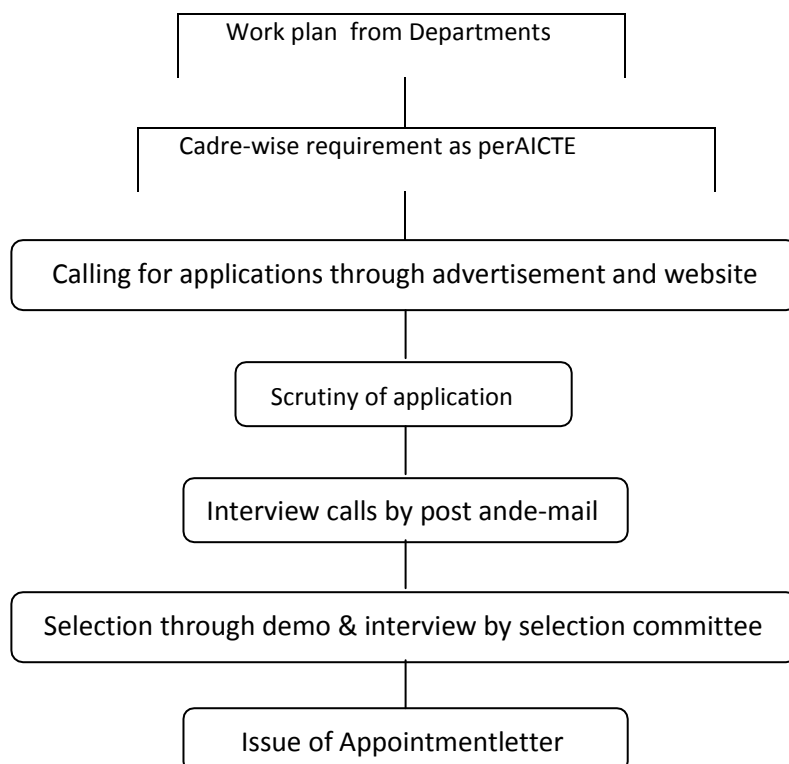
2.4 Teacher Quality

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?

- **Recruitment of faculty:**
- The college recruits and retains the faculty who are competent, qualified, experienced and experts in the respective field of study.
- The college advertises about the requirement of the faculty in the news papers (Regional and National) and conducts interviews by inviting the subject experts from affiliating University (JNTUHY) and internal senior faculty. AICTE and University guidelines are followed for recruitment of staff.

Dept.	HighestQualification	Professors		Associate Professor		Assistant Professor		Total
		Male	Female	Male	Female	Male	Female	
CE	Ph.D	-	1	-	-	-	-	1
	ME/M.Tech,	-	-	-	1	6	1	8
	M.Phil, M.Com., M.Sc./ M.A	-	-	-	-	-	-	-
	B.Tech	-	-	-	-	5	2	7
EEE	Ph.D	1	-	-	-	-	-	1
	ME/M.Tech,	2	-	6	4	19	5	36
	M.Phil, M.Com., M.Sc./M.A	-	-	-	-	-	-	-
	B.Tech	-	-	-	-	1	1	2
ME	Ph.D	2	1	-	-	-	-	3
	ME/M.Tech,	1	-	10	1	23	9	44
	M.Phil, M.Com., M.Sc./ M.A	-	-	-	-	-	-	-
	B.Tech	-	-	-	-	4	1	5
ECE	Ph.D	1	-	-	-	-	-	1
	ME/M.Tech,	1	-	7	7	28	19	62
	M.Phil, M.Com., M.Sc./ M.A	-	-	-	-	-	-	-
	B.Tech	-	-	-	-	-	-	-
CSE	Ph.D	1	-	-	-	-	-	1
	ME/ M.Tech,	1	-	5	4	22	14	46
	M.Phil, M.Com., M.Sc./M.A	-	-	-	-	-	-	-
	B.Tech	-	-	-	-	-	-	-
IT	Ph.D	-	-	-	-	-	-	-
	ME/ M.Tech,	-	-	3	2	3	4	12
	M.Phil, M.Com., M.Sc./M.A	-	-	-	-	-	-	-
	B.Tech	-	-	-	-	-	-	-
MBA	Ph.D	1	-	-	-	-	-	1
	MBA	1	-	1	1	-	4	7
	M.Phil,M.Com. ,M.Sc.	-	-	-	-	-	-	-
	M.A	-	-	-	-	-	-	-
H&S	Ph.d	9	2	3	-	-	-	14
	M.Phil,M.Com., M.Sc./M.A/MC			10	9	20	15	54

The following is the procedure in brief for recruitment of faculty.



Retention of Faculty:

The following retentive measures are adopted by the college to ensure long stay of its staff members in the college.

- An additional increment of Rs 2000/and 2500/ for Assistant Professor and Associate Professor respectively is given on completion of 5 years of service in the Institute.
- Provision for sanction of study leave for pursuing M.Tech course and Ph.D. programme for the faculty.
- An additional incentive increment of Rs 3000/-, Rs2000/-and Rs1000/-is given to the faculty based on their API score.
- A staff member who publishes a research paper in a journal is given an incentive of Rs 1000/-for first author and Rs 500/- for a second author.
- Contribution of college for Employment Provident Fund (EPF) to all the eligible employees subject to a maximum of Rs.1800/- per month.
- Staff Members are eligible for the following incentives and rewards, based on their performance, contribution and years of service at the Institution. Points d to I are applicable to staff members with minimum 1 year of service Institution.
 - a) For producing 100% results in a theory paper: Rs 10000/- Cash Award.
 - b) For producing 95% results in a theory paper : Rs.5000/- Cash Award
 - c) For producing 90% results in a theory paper : Rs.3000/- Cash Award
 - d) Professional Society Life Membership : 50% paid by the Management for Faculties with minimum five years of service at the Institution (Maximum One Professional Society per staff member)
 - e) For attending International conferences and presenting papers :50% paid towards registration & TA for faculty members.
 - f) Accredited departments with 3 years accreditation : Faculty are given an one time incentive of Rs.1000/- each and supporting Staff members Rs.500/- each.
 - g) Best Teacher award is presented to eligible teachers every year on the occasion of Teacher's day.
 - h) Medical leave facility is provided for all the staff members with service protection.
 - i) Provision for sanction of study leave for a maximum of two years for pursuing M.Tech course in Universities/ Institutes and a maximum of three years for pursuing Ph.D. programme for the faculty with two years of service in the college.
 - j) Faculty are sponsored to attend National and International conferences.
 - k) Maternity leave for the faculty is provided with service protection.

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.

- The departments of Computer Science & Engineering and Information Technology have organized several workshops / seminars on the latest subjects pertaining to the IT. This has helped the faculty members to update their knowledge in those subjects.
- All departments are organized seminars/workshops related to latest emerging technologies whenever it is required.
- Faculty members are deputed to various conferences/ seminars/ workshops organized by Industries on latest emerging areas.
- During the last four years, many of our faculty members have participated in

[illegible]

g) Staff training conducted by other Institutions	-	13	7	12	9	2	19	3	-	65
h) Summer /Winter schools, Workshop etc.,	-	-	-	-	-	-	-	-	-	-

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
- Use of Audio visual aids /multimedia
- OERs (Other Educational Resources)
- Teaching learning material development, selection and use

Teaching learning Methods/approaches

- Orientation Programme in the beginning of the academic year.
- Pedagogical techniques for new faculty by experienced Professors.
- Training in the use of modern teaching aids like LCD Projectors, etc.

Handling New Curriculum

- Deputing Faculty members to FDP Programs conducted by Universities, its affiliated colleges and within the college.
- Through brainstorming sessions with free exchange of ideas are possible which include both experience faculty members and novices.

Content / Knowledge Management

- Use of multimedia Contents
- Employment of modern Pedagogical aids such as Power Points, LCD projectors, Laptop.
- Learning through demonstration and experimentation.

Selection, development and use of enrichment materials

- Access to top class learning materials developed by institutions of higher learning such as IITs, IISc's etc.
- User friendly notes by other learning centres and download notes to enrich the learning process by the students.
- Employment of animation tools to establish the concepts in to students for effective learning.
- For the enrichment program, the institution selects the services of experienced faculty, consultancy organizations to impart and develop the enrichment course in the institution to reduce the gap through bridge courses.

Assessment

- The assessments of students and teachers performance are regularly practiced in the institution for the day to day development.
- Delivery of pep talk lecture that will be assessed by colleagues.
- Feedback through tests at the end of the training session.

Audio visual aids/ multimedia

- Training imparted in the use of audio visual aids/ multimedia devices.
- Encouragement of the constant use of audio visual aids/multimedia in the delivery of class lectures.
- The institution introduced the audio visual Aid, LCD projector, for modern teaching learning process.
- Every department is provided with an E- Class room & Modern Visual aids.

OERs (Other Educational Resources)

- The other OER's (Other Educational Resources) are online library software, Automation of Accounts, Automation of Establishment, Re-search journals, Placement Cell, R&D Cell, Career Counseling, well equipped IT lab, etc.
- The other Educational resources like web based learning handbooks, simulation/ physical models are also encouraged to be utilized for lecture delivery.

Teaching learning material

- At the beginning of the academic year all the faculty members will prepare the course files.
- Course files are prepared by all the teaching faculty.
- The faculty members and the HODs provide the soft copy of teaching learning materials, and Question bank.
- Preparation of laboratory manuals.
- Step by step instruction to make use of application software.

Table: Faculty Training programmes conducted in the Institution

S.No.	Faculty Training Programme	Key Person	Date
1	Faculty Orientation programme	Utlal Balaji, HMRL, Importance of pedagogy & Prof. V. Viswanandam, Becoming a Good Teacher	25 th June 2015
2	IIIT Enhance Education Learning By Doing	Dr Sandhya Kode : Learning By Doing	23 rd June 2015
3	A National Workshop on Project-Based Active Learning Methods in Engineering	Dr Siva Krishnan is from IUCEE, faculty expert, Indianapolis, USA.	14 & 15 July 2014
4	FDP on Engineering drawing	Prof Kommariiah, SNIT, Hyderabad Prof Ratnareddy, CBIT, Hyderabad	26 th & 27 th June 2014
5	Faculty Orientation Programme	<ol style="list-style-type: none"> 1. Ms. Sandhya Kode, Director Enhance Education IIIT, Hyderabad 2. Mr. Lion Nagaraju 3. Mr. Daniel Raj, Chief Executive Officer, Smart Skills Lab 4. Prof Anil Ramesh, Director, Siva Sivani Institute of Management 5. V.S.V. Laxmi Ramana, Professor, VJIT 6. Dr. P. Venugopal Reddy, Director, VJIT, VJIT 	25 th & 26 th June 2014
6	A Two Day Workshop On "Embedded System ARM7 And Raspberry Pi"	Suprath Joshi, CEO, Embedded RF Technologies	3 & 4 January 2014.

7	A talk on Out Come Based Education	Prof Krishna Vedula, Executive Director, IUCEE (Indo US Collaboration for Engineering Education) Prof Krishna Vedula, Executive Director	2 Jan2014
8	A Work shop on “Grid management”	1.Md Anwaruddin Director/ Grid Operation/ APTRANSCO 2.Sri MSR Sarma SE / Protection APTRANSCO (Retd.)	12 th & 13 th Dec 2013
9	Load Dispatch Operation	Dr P V Satya Ramesh DE / Open ACCESS/ APTRANSCO Prof. S.M. Zafarullah HOD,EEE Dept /VJIT	12 th & 13 th Dec 2013
10	SPECTRA2013 “Two day workshop on Optics”	1. Prof K Venugopal Reddy, HOD, Physics, OU 2. Dr.C.P. Vedula, Head	9 & 10 November2013
11	Need for Concept Oriented Physics Teaching in Engineering Colleges	1. Prof. K. Rama Reddy, Senior Director, ANGI 2. Dr. Suryanarayana ,IIT, Hyderabad 3. Dr. P. Madhusudana Rao, BOS, JNTUH 4. Dr. P. Kistaiah, professor,OU 5. Professor P.	12th to 17th, August, 2013
12	Two days National workshop on Cloud Computing Development.	1 Dr.Rajkumar Buyya Prof. in computer Science and Engineering Dept, Melbourne University and CEO Manjra Soft Pvt Ltd. 2.K.Raghavendra Scientist Adrin	2 nd & 3 rd Aug. 2013
13	Role of Mathematics in Engineering	Prof. M. A. S. Srinivas, Professor and HOD of Mathematics, JNTU, Hyderabad Prof. K. Satyanarayana Prof. Srinathan, IIIT, Hyderabad Dr. A. Ramu, Professor of Mathematics, BITS, Hyderabad Dr. B. S. Lakshmi	15 th to 20 th July 2013.
14	Basics of electrical engineering	Mr. Prof. S.M. Zafarullah (HOD/ EEE) N.L.V. Prasada Rao (Prof)	27 th to 29 th June 2013
15	Faculty Orientation Programme	Sri A.K. Menon, MD, Options Executive Search PVT Ltd <i>Sri Achyut AO, President</i> Bala Hakkula Sangham, A.P Sri Venkata Ramana, Founder and Director of HIMS Sri Tirumal Reddy, Learning and Development Professional Sri Akella Raghavendra Rao Sri Bala Kishore, Senior Vice-President, United Online Software Development India Pvt Ltd., Prof. Pradeep Department Of Civil Engineering, IIIT, Hyderabad	24 th & 26 th June, 2013

16	Recent trends in electric traction	Sri R.V.V.Subramanyam, ADE/ Electric Traction/ SCRLY, Secunderabad	24 th June 2013
17	Non conventional energy sources	1.Dr D P Kothari Director General J B Group of Educational Institutions 2.Sri Rama Raju, Solar energy consultant 3.Dr.T.S.Surendra, Principal BVRIT, Hyd 4.Sri Uday, wind power engineer, Suzlon Energy Ltd. Pune	23rd to 24th Jan 2013
18	A Workshop on “Autonomous Robotics	Techkriti’13, IIT Kanpur & I3Indya Technologies	23rd & 24th Jan 13
19	Infosys Technical Seminar	Dr. Sundharam (Head, Recruitment)	23 rd Jan 2013
20	A Seminar on “Optical precision metrology”	Prof. Anand Krishna Asundi Ph.D. Eng school of Mechanical & Aerospace Engineering Nanyang Technological University, Singapore	December 27 2012
21	Applications of Mathematics in Engineering Sciences	Prof. D. Rama Murthy, OU Prof. M. V.S.Srinivas, HOD, JNTU Prof. J. Anand Babu (Retd.) OU	4th and 5th Septem ber 2011
22	Recent trends in switch gear and protection	Dr. M Rammoorthy, Former Director General/CPRI Sri. Dhakshina Murthy (CE/Retd. APTRANSCO)	July 5 th to 7th 2011
23	Applications of electrical machines in power industry	Sri. M. Gopal Rao, Director/ APTRANSCO (Retd) Mr. Joseteje, Railway Traction system secunderabad	AUG 26 & 27 2011
24	SCADA applications in power systems	Sri. P.V.Srinivas, DE/AP.GENCO/HYD Sri. Ramesh/ADE/TEL/AP.TRANSC O.Sri. N.L.V.	DEC 22nd & 23rd 2010
25	Recent trends in power transmission system	Mr.C.Devender Reddy SE/Hydel/APGENC O.(Retd.) Mr.K.Rama Krishna DE/Hot Lines/ APTRANSCO Mr.Narayana Rao ADE/Hot Li nes/APTRANSCO	FEB 4th & 5th 2010

c) Percentage of faculty

- Invited as resource persons in Workshops/ Seminars/ Conferences organized by external professional agencies
- Participated in external Workshops / Seminars/ Conferences recognized by national/ international professional bodies
- Presented papers in Workshops/ Seminars/ Conferences conducted or recognized by professional agencies

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

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

- The institution deputed its teachers to attend refresher and orientation programs, conferences, seminars and training programs organized by other institutes, universities and research organizations.
- The institute conducts seminars, workshops and guest lectures for the benefit of faculty and students.

Sponsoring to higher education:

- The college sanctions leave for higher studies providing service benefits. Sponsorship to Ph.D programme will be considered. Institute encourages the faculty to pursue higher study by granting study leave.

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

Many faculty members have been recognized for excellence in teaching during the last five years with awards and recognitions.

Every year college gives best teacher award to the faculty for excellence in academics.

Senior professors are invited as:

- Member of Academic Audit and Research Committee
- Adjudicator of Ph.D thesis
- To chair sessions in seminars and to act as resource persons

The Institution provides the following:

- The faculty members are encouraged to participate in the conferences and workshops both at national and international level.
- The faculties are given academic leaves for participation and TA/DA.
- Faculty provided with PC and internet facility in the department.

Dr.V.V Krishna was awarded

- i. Best teacher award by JNTU Kakinada
- ii. Best research award by JNTU Kakinada
- iii. NAAC Peer Committee number.
- iv. Prof. G Sreeram Reddy, department of Mechanical Engineering and Prof.M.Zafarullah, department of Electrical and Electronics Engineering were conferred Best teacher awards for the academic year 2012-2013.
- v. Prof. Prasad Rao of EEE Department, Prof Rama Krishna of H&S Department and Sri. Ramesh Associate prof. of Physical Education department were awarded for the year 2013-14.

2.4.5 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 evaluation of faculty by the students through feedback forms is done twice in a semester. This feedback is analyzed and appropriate suggestions are given to the faculty by the HOD concerned and the Principal to see that they rectify the shortcomings.
- The feedback form mainly focuses on the various teaching skills of the faculty members, like presentation, communication, knowledge, content covered, innovative practices and laboratory work.
- The head of the institution interacts with few students of each class and takes the feedback on the teachers about the effectiveness of their classes and learning material provided.
- HOD will review and evaluate the faculty in the middle of the semester and action will be initiated accordingly.

- Performance and self-appraisals are taken from the faculty at the end of every academic year and their performance is evaluated. Based on the evaluation report faculty are counseled.
- Parent meetings will be conducted once in a year. By considering their inputs management will take necessary steps in teaching and other aspects of the college.
- Feedback is taken from alumni students who are working in reputed companies and industries is considered for regular evaluation.

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?

- The Stakeholders of the institution i.e. students and faculty members and even the parents of the students are informed about evaluation process through prospectus and website of the institution.
- The faculty members read the instructions even in the classrooms and copy of the same is also displayed on the notice-board.
- Student's evaluation process: for each semester university conducts two assessment tests for 25 marks.
- External evaluation by the university is conducted for 75 marks.
- The periodic instructions issued by the affiliating university are promptly communicated to the students.
- Students are clearly made aware of the eligibility conditions required to appear in the final exams.
- Staff meetings are conducted periodically to review the evaluation process.
- Academic calendar and syllabus books are provided to the students.
- Faculty recruited at the institute level will be evaluated by the university through ratification process.
- Institute encourages faculty to undergo through IGIP certification process conducted by Microsoft & IUCEE.
- Implementation of Teaching / Learning process using Multimedia lectures, CBT lectures, NPTEL video lectures, IUCEE webinars etc.
- Faculty Orientation Programmes are organized in the beginning of every academic year in basic pedagogy
- Faculty certification program training by International Society for Engineering Education

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?

- **Institute Evaluation:** University evaluates the institute on yearly basis through Fact finding Committee.
- Committee will give their compliance report.
- Based on the compliance report necessary steps will be taken by the management to improve the standards of the institute.
- Institution adopts a systematic feedback/class review committee meetings from the students.
- Based on the feedback result the low performed faculty will be trained separately to improve their teaching capability qualities.

- Student Evaluation: College strictly adopts the JNTUH evaluation process in two steps
 - Internal assessment
 - External Examinations
- Inter Assessment will be conducted two times in a semester by conducting a written examination for 10 marks, Objective examination for 10 marks and class rooms/ home assignment for 5 marks.
- External examinations are conducted for 75 marks.

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?

- The evaluation reforms of the university are followed. The students are satisfied by showing them the evaluated performance in the answer sheets. About evaluation is made clear to the students.
- The toppers in each semester are appreciated by giving cash award and merit certificate.
- All record is maintained i.e. answer sheets, award lists etc. Class tests are taken and record is kept.
- Whenever class tests are conducted, the results of the student's performance/awards are shown to the students to encourage them or counsel them for better performance.
- The institution has followed the improved examination system as prescribed by the JNTUH University, Hyderabad, Telangana State.
- Students can apply for Revaluation and Challenging Revaluation procedures of the University regarding the end semester examinations.

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

- As the college is affiliated to JNTUH, Hyderabad, reforms and regulations of the University in examinations and evaluation are followed.
- Even then for bringing about a positive change in the evaluation practices, the institution adopts both formative and summative methods of evaluation.
- Formative approach to evaluation includes measuring the student's achievement through seminars and class tests.

Formative evaluation process:

The goal of formative assessment is to monitor student learning, to provide ongoing feedback that can be used by instructors to improve their teaching and by students to improve their learning. Formative Assessment of the students is done on the following parameters.

- Assignments
- Presentations
- Industrial visits
- Class interactions
- Group discussions/Viva – voce
- Workshops/Seminars
- Research activities
- Projects

- Written and practical tests
- Event Management
- Social activities
- Inter college competitions
- Overall attendance and conduct during the session

Summative evaluation process:

The goal of summative assessment is to evaluate student learning at the end of an instructional unit by comparing it against some standard or benchmark. Summative assessments are often high stakes, which means that they have a high point value.

Summative Assessment takes place at the end of the academic session which is conducted by the college during the terminal test at the end of the semester.

The college conducts a summative evaluation at the end of each semester through the following:

- Written Exams
- Practical Exams
- Viva voce
- Project work

Apart from the above regularly conducted tests, students are also evaluated by external agencies Talent Sprint, AMCAT etc.

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

- There is complete transparency in the internal assessment. The criterion adopted is as directed by the University.
- All the students are familiarize about the transparency in internal assessment. Each subject is evaluated through internal and external exams.
- The answer scripts of internal examinations are given to the student for his assessment and satisfaction about the evaluation. If any anomaly in evaluation is noticed, the student can approach the concerned teacher and get it rectified.
- For R-09, R-13 regulation Internal and externals are conducted for 25 and 75 respectively.
- Two internal examinations are conducted for every semester. Each internal examination consists of one descriptive and one online test for each subject.
- The descriptive test is conducted for 10 marks and online for 10 marks (exam will be conducted for 20 marks and assignment is for 5 marks.)
- The best among the two internals will be considered for R-09 regulation and average is considered for R13 Regulation.

From 2013-14 batch average marks of two internals considered. Each internal test is for 40 marks and external exam is for 60 Marks.

PG : M.Tech.

PG : MBA

- Students who are regular, disciplined and punctual are made class representatives.
- The students who are dynamic and having an independent learning are made as Coordinators for professional bodies such as SPIE, OSA, IEEE, IETE and CSI.
- Students who are having good track record and good communication skills are made as Coordinators to conduct workshops Symposia and other extracurricular

activities.

2.5.6 What are the graduates at tributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

Graduate Attributes (GA) of the college:

Graduate Attributes (GAs) form a set of individually assessable outcomes that are the components indicative of the graduate potential to acquire competence to practice at the

Appropriate level. The GAs is attributes expected of a graduate from an institution. The graduate attributes are:

GA1	Engineering Knowledge
GA2	Problem Analysis
GA3	Design/ Development
GA4	Investigations of Complex Problems
GA5	Modern Tool Usage
GA6	Engineer and Society
GA7	Environment and Sustainability
GA8	Ethics
GA9	Individual and Team work
GA10	Communication
GA11	Project Management and Finance
GA12	Life-long Learning

The programme outcomes are developed to attain the Graduate Attributes and to meet the programme educational objectives.

Programme Outcomes (POs):

Example: Electrical and Electronics Engineering:

Programme Outcomes are narrower statements that describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire in their matriculation through the programme. Engineering programmes must demonstrate that their students attain the following out comes:

Programme Outcomes (POs)	
PO1	An ability to apply knowledge of mathematics, science, and engineering
PO2	An ability to design and conduct experiments, as well as to analyze and interpret data
PO3	An ability to design a system, component, or process to meet desired needs with in realistic constraints such as economic, environmental, social political, ethical, health and safety, manufacturability, and sustainability
PO4	An ability to function on multidisciplinary teams

Usage											
The Engineer and Society						✓		✓		✓	
Environment and Sustainability			✓					✓		✓	
Ethics						✓					
Individual and Teamwork	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Communication							✓				
Project Management and Finance			✓					✓			
Life-long Learning									✓		

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

- The college scrupulously follows the Quality Document and implements all policies related to teaching - learning process as per the Quality Document.
- Evaluation process is done as per the guidelines of the university.

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

The college has the redressal cell for grievances with reference to internal evaluation. The cell consists of Principal, HOD, one faculty nominee, two student nominees. The student can apply to the cell for any anomaly in his evaluation of paper. The cell conducts a meet and calls students and hears his/ her say and gives the appropriate decision which is binding on all. University also deputed CEO at college level who takes care of University evaluation grievances. CEO forwards the grievances to the University. The University settles the grievances using its own mechanism.

The redressal of grievances regarding evaluation in both internal assessment and university examination is through the following process.

At college level:

- The teacher displays corrected answer books to students and student grievances are addressed by the teacher. The internal marks are displayed on department notice board for at least three days. if any discrepancy is noticed ,the teacher concerned will rectify and the necessary corrections will be made.
- If student is not satisfied with the marks awarded even after rectified by the teacher, he/she may represent the same to the Director/Principal through the HOD concerned. All such representations are taken positively and reassessment will be made by another teacher if necessary.

At University level:

- The student is entitled to apply for revaluation/recounting in theory subjects within 15 days of declaration of results by paying the prescribed fee to the University. The University will take up all such applications and revaluates/recount the scripts by competent subject teachers. However, if there is no improvement earlier marks will be retained.

2.6 Students Performance and Learning Outcomes

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

YES.

The college has clearly stated learning outcomes.

The college has clearly stated learning outcomes mentioned in its Vision and Mission.

- Vision, Mission prominently placed at all departments in the college.
- Orientation program for all the new faculty members is conducted every year at the beginning of the academic year.
- The faculty, industry and alumni are actively involved in preparing learning outcomes of the college.
- The learning outcomes of the college are made known to the students and staff by displaying in the departments and at all prominent places of the college.

Vision, Mission and objectives of the Institute

Vision

- To develop into reputed institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through Intellectual, cultural and ethical efforts with human values.
- To foster scientific temper in promoting the World class professional and technical expertise.

Mission:

- To imbibe research oriented teaching-learning practices
- To create world class infrastructure facilities for optimization of knowledge acquisition.
- To shape the students holistically, to make them competent in theory and applications to excel global scenario.
- To imbibe research oriented teaching- learning practices through OBE, PBL& Ethical based education.
- To promote higher education and research through strong Institute –industry interaction and consultancy.
- To strengthen the R&D of each department by involving the students to address the community based problems.

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 student's results/ achievements (Programme/ course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/ courses offered.

- Academic performance, regularity, participation in co-curricular and extra-

curricular activities; physical and emotional well-being – all these factors play a vital role in the progress of the student. The following monitoring methods are adopted by the institutions.

Academic monitoring:

- The academic performance is monitored by observing the students performance in the classrooms through discussions, interactions, presentations, seminars, and assignments.
- Monitoring is also done by observing their performance both in the internal examinations, and final semester examinations.

Regularity: The regularity of the students is monitored through attendance.

- **Co-curricular and extra- curricular activity monitoring:** The student's participation in co curricular and extracurricular activities is recorded and their achievements are appreciated.

Monitoring of physical and emotional well-being: All the staff continually involve in students physical and emotional well-being through continuous counseling and extend their cooperation wherever and whenever necessary.

- The students are guided to progress in all these factors by constant encouragement. Any shortcomings are adequately addressed.
- The Institute adopts an effective communication system to intimate the parents about the progress of their wards.
- The parent will be intimated through a letter about the performance of their wards.
- A message alert will be sent to the parents about their wards absence to the class.
- Mentors will be in touch with parents of slow learners on a weekly basis.
- Once in every month the attendance and class test/ Internal assessment marks are intimated to the parents.
- The parents are also communicated through college website.

The following table explicitly indicates the analysis of the students pass % for the last four years.

B.Tech (UG):

Year/ Batc	Course	Students Appeared	Students Passed	Distinction	First	Second	Third	% ofPass
2008	B.Tech	425	413	190	158	65	0	97.18
2009	B.Tech	413	388	226	122	40	0	93.95
2010	B.Tech	442	413	212	178	23	0	93.44
2011	B.Tech	571	513	261	206	46	0	90.70

M.Tech (PG):

Year/ Batc	Course	Students Appeared	Students Passed	Distinction	First	Second	Th ird	% ofPass
2011	M.Tech	29	28	22	6	0	0	96.55
2012	M.Tech	121	86	68	18	0	0	71.07
2013	M.Tech	134	75	50	6	0	0	55.97

MBA:

Year/ Batch	Course	Students Appeared	Students Passed	Distinction	First	Second	Third	% of Pass
2009	MBA	52	45	31	14	0	0	86.54
2010	MBA	53	51	24	27	0	0	96.23
2011	MBA	52	47	10	30	7	0	90.38
2012	MBA	25	25	6	19	0	0	100

2.6.3 How are the Teaching, Learning and Assessment Strategies of the institution structured to facilitate the achievement of the intended learning outcomes?**Teaching Strategies:**

- Teaching methodologies & FDP's are regularly conducted to the new faculty.
- Faculty exposed to use NPTEL video lectures IUCEE webinars/MOOCs course content.
- Digital Library is available to access to E- Journals.
- IQAC monitor the performance of the faculty and necessary steps will be initiated to improve the quality of teaching.
- Faculty will be sent to workshops/Seminars/ Training at Industries to update their knowledge in latest technologies.
- Faculty utilizes e-class rooms for effective teaching.
- Active learning/Peer tutoring in the class rooms for the students.
- Project based learning in the class rooms for better understanding of the subject.
- The college follows the academic calendar given by the affiliating university and accordingly plans for lecture and tutorial hours and laboratory hours in all the theory and practical subjects.
- The class time tables are prepared in such a way that the required number of periods are assigned for all the theory and practical subjects and also include the periods for professional association/ pre-placement training/ library/ games and sports activities.
- OHP, LCD projector effectively used wherever necessary to impart teaching and delivering seminars.
- Special attention is given to practical approach and extra content is delivered wherever necessary to meet the desired learning outcomes.
- The main objective of the institution is to prepare the students for employment, entrepreneurial and for higher studies.

Learning Strategies:

- Tutorials are conducted regularly in analytical / design subjects.
- Assignments are made compulsory in all the theory subjects.
- Seminars are arranged by the students on advanced topics.
- Technical quizzes/group discussions/paper presentations are arranged through departmental associations.
- E-learning materials and video courses are made available in the central library to enhance learning outcomes.
- Industrial tours are arranged to expose the students to practical pursuits.

- Mini projects / model making are made part of the learning.
- Certificate courses on the use of modern software tools for engineering applications are conducted.
- Pre placement training (Class Room Training) is also made as a part of learning to enhance the employability.
- **Internships to students:** Student were sent to internship programmes in Industries as well as international reputed universities.

Assessment Strategies:

i) Direct Assessment:

- Performance evaluation through internal and external examinations in both theory and lab.
- Performance evaluation is done by giving assignments.
- Performance evaluation is also through project work/seminars/comprehensive viva-voce.

ii) Indirect Assessment:

- Survey of Alumni
- Exit feedback
- Employer feedback

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

- Exposing the students to current market requirements arranging interaction with HR's of reputed organization.
- The students are provided pre-placement training at pre-final and final year of the course to help them to secure quality jobs in the industry.
- Several seminars/ workshops are conducted to create awareness on entrepreneurship by inviting industry experts.
- Advanced laboratories and innovation centers are established to nurture the creativeness of the students and improve the research aptitude.
- Students are encouraged to participate in the entrepreneurship workshops.
- To enhance the social and economic relevance of the courses offered , research aptitude was developed among students in various courses and some of the projects done are given below,

ECE Department

1. In the course Embedded System projects developed by students are ***Hitech Agricultural Solar Fence Security with Soil Humidity Based Automatic Irrigation System and Voice Alert on PIR Live Human Detection.***
2. In the Microcontroller course a project ***Implemented Eye Movement Controlled Wheel Chair by Raspberry PI*** for physically challenged people was developed.
3. In the course Digital Communication a project named ***Innovation Congestion Control System for ambulance using Zigbee*** was done by students.
4. ***Design of autonomous fire fighting Robot*** project was done by students in IC application Course.
5. A project in Mobile Communication Course ***Design of GSM technology used to acquire bus information through mobile.***
6. ***IRIS recognition using RIDGELET Transform*** in Digital Signal Processing course.

EEE Department

7. Using Utilization of Electrical Energy Course students have developed a project named “The Maglev Train”.
8. Under the Renewable Energy Sources course students have developed a project named “Green revolution Electric Car “
9. Every academic year 2nd, 3rd & 4th years students of EEE gives technical presentations relevant to the courses. The best technical presentations were given merit certificates.

CSE Department

10. Patient Dash board for Apollo Hospital, Jubilee hills, Hyderabad.

11. Health care solution for smarter city via Unic ID

ME Department

1. A project named “***Helping Robot for old People***” was done by the students based on the kinetic and dynamic behavior of the robot using robotics.
2. “***Design and fabrication of seeds sowing cum fertilizer machine***” was developed by the students using dynamic behavior of machining elements.

2.6.5 How does the institute collect and analyze data on student performance and learning out comes and use It for planning and overcoming barriers of learning?

The college collects the data on learning out comes from the stakeholders by following the procedure given below:

- Exit feedback will be taken from the outgoing students every year.
- The feedback from the alumni and also from the employer is collected.
- The data pertaining to the graduates seeking higher education and involved in research is also collected.
- The feedback collected is analyzed and the necessary modifications in the curriculum are taken care.

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

Institute monitors and ensures that the achievement of learning outcomes through the following ways:

- Course Learning outcomes are attained through Project based Learning Methodology implemented for Micro Processors , Micro Controllers, Embedded Systems and IC Application courses. Using this methodology a project on Design of Proprietary Linux Operating System for VJIT & Transplantation of Linux operating system on ARM processor board are done.
- Learning outcomes attained by doing projects and assessed by a rubric .In the course Electrical Measurements some of the projects done by students are,
 1. *Multi Range analog ammeter*
 2. *Design and study of multi meter*
- *In the course electrical machines the projects developed by students*
 1. *Two Speed Induction Motor,*
 2. *Speed control of Universal motor using TRIAC etc.*

Mechanical engineering

- Under Non conventional energy sources course the learning outcomes of the students are assessed through projects done by the students. Some of the projects done by the students under this course are

1. *Solar Campus Traveler*
 2. *Design and development and fabrication of solar powered grass cutting machine.*
- Under Production Technology course, projects done by the students are *Reducing Steel Plate Erosion by using Sand blasting process.*

Apart from the projects done by the students, every department has by following means of assessing learning outcomes.

- Through class monitoring committees.
- Through system of continuous evaluation in both theory and lab subjects.
- Through the exit feedback, Alumni feedback and Employers feedback.
- Through analysis of examination performance in both theory and practical.
- The learning outcomes of the students are assessed through their mini and main projects.
- The projects developed by students in the course Electrical Measurements,

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

YES

The institute adopts the following methods to assess and evaluate the students

- The Students are evaluated initially by weekly tests.
 - Department identifies the slow learners by making analysis of the internal tests and pass record of previous years.
 - Additional Remedial classes are arranged in the evenings for slow learners.
 - Problem solving skills are evaluated in the laboratories.
 - Students are assessed by external agencies assessment test.
 - Students are also assessed by their participation at various competitions conducted by external agencies/ reputed institutes.
 - Students are assessed on the basis of their conduct, behavioral aspects.
 - By taking the above mentioned assessed inputs the teacher will plan for learning objectives.
 - The performance of the students both in midterm examinations and end semester examinations in theory and laboratory subjects, project works and comprehensive are considered as an indicator in evaluating the student performance and also achievement of learning objectives.
- Further, students are evaluated on continuous basis in the form of conducting tutorials, assignments, class tests etc., to assess the learning outcomes.

S.No.	Assessment Criteria	Learning Outcome
1	Written Assessment	Improved flow of thought and expression
2	Project Assessment	Helps in gaining in depth knowledge
3	Attendance Assessment	Leads to regularity and punctuality

CRITERION – III

III. Research, Consultancy and Extension

Teachers need continuous up gradation of their skills in all facets of their work-teaching, valuation, research, commuting and technology development, management and administration etc.

3.1. Promotion of Research

Research is the back bone of academics. For the promotion of research, institute has Research and Development Cell which aims to nurture research culture in the College by promoting research in newly emerging and challenging areas of Engineering, Technology, Science and Humanities.

It encourages the students and faculty to undertake the research in newly emerging frontier areas of Engineering, Technology, Science and Humanities including multidisciplinary fields. This enhances the general research capability of budding technocrats by way of participating in conferences, seminars, workshops, project competition, etc.

The Research and Development Cell is functioning with the following objectives:

- To create awareness and opportunities in Research and Development among the faculty and students and to create Research and Development atmosphere in every department;
- To create atmosphere among the staff members to take up Research projects and improve their knowledge, skills and qualifications by registering Ph. D's;
- To motivate the faculty members of the group for R&D activities in the area of their specialization;
- To encourage staff members and students to publish technical papers for publishing in National and reputed International Conferences/ Journals;
- To undertake research activities and development projects offered by agencies such as DRDO, DST, AICTE, UGC, etc.
- To assist for applying and getting funds for conducting Seminar/Workshop/FDP from various available funding agencies.
- To facilitate the growth of research activity among the academic community.
- To coordinate faculty level workshops and staff development activities on research-related issue.

In order to promote research and development activities, the college extends its full support to students/ faculty/ staff. Full/Partial financial support is given to all innovative research & development works taken up by the students, faculty and staff members. The college encourages students, faculty and staff to participate in National/International Conferences, Training programs.

The institution has a research and development committee in addition to state of art technology R & D cell facilities to facilitate and monitor research activities. The faculty as well as students is actively engaged in reactivity & other research projects.

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

The Institution is laying it's first step to establish research centre. The institute is applying for recognition of Research Centers in the branches of Mech, ECE, CSE, CIVIL, EEE, Physics, Mathematics, and English of H&S Dept. to the affiliating

university, J.N.T. University Hyderabad. The institution is recognized as research center by DRDO and sanctioned Rs.50 lakhs for the first research project. UGC sanctioned 4 minor research projects and 20 Projects have been applied for DST& UGC.

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

YES

The Institute has a College Research Committee comprising of the following members

S.No.	Name	Designation	CRC
1	Dr. P.VenugopalReddy	Director	Chairman
2	Dr.A.Padmaja	Principal	Vice-Chairman
3.	Dr V. Venkata Krishna	Prof. CSE & HOD	Member
4.	Dr.B.V.Reddi	Prof. Mech.Department	Member
5.	Dr. M.V KrishnaRao	Prof. in ECE &HOD	Member
6.	Dr. ArchanaDongre	Prof. in Civil &HOD	Member
7.	Dr V V Satyanarayana	Prof. Mechanical	Member
8.	Dr D. B.G.Reddy	Prof. EEE	Member
9.	Dr V Krishna Kumari	Prof. Mathematics	Member
10.	Prof. Ravi Mathey	Assoc. Prof. CSE	Member
11.	Dr D Raju	Assoc. Prof. Mathematics	Member
12.	Dr M Venkata Krishna	Prof. Mathematics	Member

Functions of “College Research Committee (CRC)”:

- To make the institute as a Research Centre of affiliating University / Other organizations.
- To address the issues of research
- To suggest recommendations with their impact.
- To provide autonomy to the Principal investigators as per the guidelines provided by the funding authorities.
- To encourage /motivate faculty to take research initiatives in the department.
- To provide adequate infrastructure and support in terms of technology and information needs.
- Facilitating timely auditing and submission of utilization certificates.
- To create awareness among the students and faculty on the culture of research and aptitude.
- To obtain information once in three months in the prescribed format on faculty involvement on guiding students, paper publications, research projects from external funding agencies and involving in collaborative research activity.
- To conduct/ participate in workshops, training programs and sensitization programs on capacity building in terms of research and consultancy and imbibing research culture among staff and students.
- Arranging guest lecturers under Institute-Industry-Interaction programs to promote research on industry needs.

- Modernizing the existing laboratories with additional experimental set ups/ instruments and technology for utilizing the labs for research activity,
- To depute senior faculty to various research organizations for getting collaborative projects and adopting best practices.
- To provide facility to the faculty in the form of incentives, sabbatical leaves, academic leaves for improving their qualification and quality of research.
- To provide budget for in-house R & D projects mentioning the guidelines and targets to achieve the expected outcome of the projects proposed.
- Sponsoring faculty and students to present papers at National /International conferences as per the stipulated guidelines mentioned in the Quality Document of the institute.
- To appoint part-time Research Advisors for promoting the quality of research and guidance for applying for projects.

Impact on recommendations:

- The institute has applied for recognition of Research centers in branches of ECE, CSE & Mech.of the college to the affiliating university, JNTUH.
- Budget provision is there for R & D activities.
- A principal investigator, who receives projects from various organizations, is provided with autonomy.
- The college facilitates timely auditing and submission of utilization Certificates.
- Conducts frequent awareness programs to both students and faculty encouraging them to take up industry/ society oriented projects.
- Existing laboratories are modernized with additional equipment and experimental set-up to promote research activity in the campus.
- The institute has provided motivational incentives to the faculty who involve in acquiring Ph.Ds. in getting projects from external agencies and publish papers.
- The college deposes faculty to present papers at various national and international conferences.
- Department of Physics has received Rs. 50lakhs funding from DRDO.
- The institution has constituted a 12 member research committee headed by Dr.P.Venugopal Reddy, Director as a Chairman.
- Institute has 5 projects granted so far (4 projects from UGC and 1 from DST). 27 Research Projects have been applied to UGC.

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

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

- **Autonomy to the principal investigator**
The Principal investigators who were sanctioned projects from various organizations like AICTE, DST, UGC, MHRD etc., are given full autonomy in executing the project as per the guidelines of the funding agencies and also provides matching grants, if necessary.
- **Timely availability or release of resources**

Principal maintains separate accounts to each project sanctioned by external agencies and institute provides all facilities and maintains timely release of project funds for completion of the project.

- **Adequate infrastructure and human resources**

The departments have established research labs with necessary software and computing facilities to carryout research projects. College recruited senior faculty with Ph.D degree who are competent to take up and guide research projects.

- Central library facilities are enhanced updating with online National and International journals, digital library, hand books, reference books and material related to research activity.

- **Time-off, reduced teaching load, special leave etc. to teachers**

Faculty working on major research projects is given the facility of reduced teaching work load in addition to sanctioning academic leave for attending the workshops/ seminars relevant to their research projects and associated works. Cash awards are introduced to faculty publishing papers in reputed journals.

- **Support in terms of technology and information needs**

The institute/ department encourages the students and faculty to utilize the laboratories, library, computer centre and software for carrying out their research projects and also provides facility for obtaining the necessary information and technology from external sources. The college also make budget provisions to procure necessary equipment for experimental projects, subscribes to research journals to strengthen the library with latest journals, reference books and textbooks.

- **Facilitate timely auditing and submission of utilization certificate to the funding authorities**

After completion of project by the principal investigator, the college arranges for auditing, assists in obtaining the utilization certificate for submission to the respective funding authority.

- **Any other**

The college invites scientists and reputed researchers to share their experiences which enhance the research culture in the campus.

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

The institution has taken the following measures to develop scientific temper and research culture and aptitude among students.

- The college has established a college research committee to promote research and consultancy activity in the campus.
- Guest lectures by eminent academicians and industrialists are arranged to create awareness and interest among the students and faculty on research.
- It also to provide information about various funding agencies, method of applying for projects etc.
- College allocates budget amounts on the following every year to promote in house R &D
- Seed money towards paper presentations, attending R & D orientation workshops, seminars etc.
- Providing infrastructure facilities, space for department research centers,

- procurement of equipment and software.
- Providing e-classrooms with LAN connection facility, LCD projectors, Audio-visual arrangements etc.
 - Enhancing the existing labs with research oriented equipment and establishing research labs.
 - Hobby workshops to inculcate practical exposure and various clubs at department levels.
 - The students are guided to present papers in the seminars and conferences.
 - The students are guided in applying research projects for CSI, IETE and other agencies.
 - To inculcate scientific temper, research culture and aptitude among students in all the departments are encouraged to take up projects in various courses.
 - The faculty and students are encouraged to visit research oriented labs, industries.
 - Students are permitted to do their major projects in Govt., recognized research laboratories.
 - Students are taken to Thermal power stations and research labs like DRDO, RCI every year to interact with industrial experts.

S. No	Event	Date
1	Visit to Srisailem Power House	10 th Sept. 2015
2	Visit to VTPS (Vijayawada)	11 th Sept. 2015
3	Field Visit to Railway Traction SCADA Control Room,	19 th Sept 2014
4	Field Visit to 220/132KV GIS Osmania University	19 th Sept 2014
5	Field Visit to 220/132KV GIS Erragadda	11 th Oct 2014
6	Field visit to Railway Traction & SCADA Control room, 220/132kV GIS, Osmania University	19 th Sept. 2014
7	Field visit to 220/132kV GIS, Erragadda Sub Station	11 th Oct 2014.
8	Field visit to Transformers manufacturing company, Nacharam	15 th Feb 2014
	Field visit to 400/220 kV Substation, Shankara palli	19 th Feb 2014
9	Industrial Visit to Transformers Manufacturing Company, Nacharam.	15 th Feb, 2014
10	Industrial Visit to 400/220 KV Substation, Sankarpally.	19 th Feb, 2014
11	Visit to Srisailem Power House	21 st Feb, 2014
12	Visit to VTS Power House	22 nd Feb, 2014
13	III year students went to a two day training program in APCPDCL, Hyderabad	30 & 31 st march 2011
14	Field visit to BHEL, Lingampalli, Hyderabad	1 st July 2011
15	Field visit to Transformers manufacturing company, Nacharam & Elmore alternators-Hyderabad	27 th Aug 2011
ECE Dept.		
16	VJIT IEEE Student branch & IETE Student forum	27 th July 2015

17	IEEE Signal Processing Colloquium Developments Achievements And Important Aspects Of Rci And DRDO, Explanation Regarding The Missiles Their Different Types And The Launching Techniques	20 Sept. 2014
18	ISTE Workshop On "Adobe Photoshop"	4 th Feb 2014
19	Workshop on "Comprehensive Matlab"	19 & 20 Feb 2014
20	An Autonomous Robotics workshop in collaboration with i3indya technologies and in association with IIT KANPUR.	23 & 24 th Jan 2013

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.)

- With the encouragement and motivational incentives provided by the college, a good number of faculty obtained their Ph.D's and 22 teachers have registered for Ph.D (Details are presented in the table).

Sl.No.	Department	No. of the Faculty Registered for Ph.D.
1.	EEE	4
2.	Mechanical	3
3.	ECE	3
4.	CSE	4
5.	Physics	2
6.	Chemistry	1
7.	Mathematics	2
8.	English	3

- Senior faculty members are registered as supervisors to guide the Students & faculty in reputed Universities.
- Faculty members are involved actively in taking up sponsored/ collaborative projects from Central Government and private organizations.
- Using the infrastructure facilities, laboratories that are available in the institute, the faculty members guide the students in their project works catering the needs of industry.
- Faculty involvement in Guiding Research students/ Higher Qualification/ Research Projects during last 4years.

a) Faculty involvement in Guiding Research Students:

S.No.	Name of the Faculty	Number with status	
		Completed	In-progress
1	Dr. P. Venugopal Reddy	18	4
2	Dr V Venkata Krishna	3	6
3	Dr. M.Venkata Krishna	4	3

Research Projects Granted
MAJOR AND MINOR RESEARCH PROJECTS

Major Research Projects

S.No.	Name of the Faculty	Title of the Project	Financial assistance	Funding Agency
1	Dr. P.Venugopal Reddy	Ferro elastic behavior of some magnetic based multiferroics	Rs. 50.15 lakhs	DRDO

Minor Research Projects

S.No.	Name of the Faculty	Title of the Project	Financial assistance	Funding Agency
2	Dr.R.Rama Krishna	Forecasting Yield per Hectare of Jowar in Telangana State using Neural Networks	Rs.3.05 Lakhs	UGC
3	Dr.D.Raju	Numerical solutions to some generalized	Rs.2.7 Lakhs	UGC
4	Mr.S.Srinivas Rao	Synthesis and Biological activity Evaluation of novel N-Substituted Benzimidazolethiopyrimidine Derivates as potential anti-inflammatory Agents	Rs.3.35 Lakhs	UGC
5	Mr.N.Pavan Kumar	Theoretical investigations of diluted	Rs.3.60 Lakhs	UGC

Major and Minor Research Projects (Awaiting Approval)

S.No	Name of the faculty	Title of the project	Financial assistance	Funding Agency
1	Dr. P. Venugopal Reddy	Investigation of Nanocrystalline Bismuth ferrite for	21 lakhs	UGC
2	Dr. A.Padmaja	Production of Biofuel from Lignocellulosic Agro feedstock	25 lakhs	UGC
3	Dr. Archana Dongre	"Inelastic seismic response of RC moment resisting brick infilled frames with and without bands"	19.8 lakhs	UGC
4	Mr. Shaik Jakeer Hussain	EEG Analysis of Brain waves to identify thought and control Wheel chair for physically handicapped	20 lakhs	UGC
5	Dr. P. Venugopal Reddy	Influence of Nano Size on properties of Dilute Magnetic Semiconductor	17 lakhs	AICTE

6	M. RajendraPrasad	Investigation of EMF radiation impactfromembedded telecom devices onBiota.	24.5 lakhs	AICTE
7.	Prof. S.M. Zafarullah	Combined Heat And Power By Solar (Chaps)- Power Generation Based On Concentrated Photo Voltaics	8.5 lakhs	UGC
8.	Prof. N.L.V Prasad Rao	Verification Of Earth Resistance Under Different Conditions Of Soil, Depth, Temperature, Season Etc.	2 lakhs	UGC
9	Mrs. A.R M. Vani	Solar Powered Smart Irrigation System	3.5225 lakhs	UGC
10	Mrs. K. Ireena	Solar Air Conditioning System	5.50 lakhs	UGC
11.	Dr V S V Laxmiramana	Developing action research project in improving the English Language communication skills of disadvantaged rural students in middle schools of Ranga Reddy District	5 lakhs	UGC
12.	Dr G Krishna Kumari	Mathematical modeling of pumping of nanofluids with different flow geometries	5 lakhs	UGC
13.	Mr E M Raju	Band gap Engineering and physical properties of some oxide based magnetic semiconductors	7 lakhs	UGC
14.	M.Rajendra Prasad	Investigation And Analysis Of Mobile Phone Radiation And Its Impact On Biological And Ecological System	6.62 lakhs	UGC
15.	Mrs.A.R.M.Vani	Harmonic elimination in a 3 phase 3 wire distributed system with 5 level shunt active filter	5 lakhs	UGC
16.	Prof. S.M. Zafarullah	Finding out the integrity of insulation through measurement of capacitance and dielectric dissipation factor i.e.,	6.5 lakhs	UGC
17.	Mr.A.Narasimha Rao	Solar Power generation and distribution using micro grid	3.5 lakhs	UGC
18.	Mr.K.Satish Kumar	Battery storage scooter	1.35 lakhs	UGC
19.	Dr.D.B.G.Reddy	Frequency Response of transformer	15 lakhs	UGC
20	Prof.S.M.Zafarullah	Study of the effect of change in the power frequency on the performance of 3 phase and single phase induction motor	3 lakhs	UGC
21	M V Krishna Rao	Machine Characterization of Telugu Phonemes	4.97 lakhs	UGC
22	Shaik Maznu	Waveform design for LPI Radar	4.93 lakhs	UGC

23	Dr. ArchanaDongre	Numerical modelling of RC brick infill and plane brick masonry building and understanding its behaviour during earthquake	5 lakhs	UGC
24	Jyotirmoy Haloi	"Dynamic site characterization of certain areas in Hyderabad city	5 lakhs	UGC
25	G. Sreeram Reddy	Optimizing parameters of freeform surface using reverse engineering	500000	Applied
26	B. V Reddi	Production of Multiferroic BiFeO ₃ Nano wires/ Nano fibers	500000	Applied
27	V V. Satyanarayana	An Investigation on weld cladding of stainless steel on high strength low alloy (HSLA) steel	500000	Applied
28	K. Rajesh	Surface Engineering Aspects of High Strength Low Alloy Steel for Naval Application	500000	Applied

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

The institute organizes inter disciplinary and department-wise workshops training programmes and seminars focusing mainly on capacity building in terms of research and also to create research culture among staff and students. The following are the details of such activities conducted during last four years.

2014-15	2013-14	2012-13	2011-12
26	28	23	16

No.of Workshops/ training programmes/ sensitization programmes conducted/ organized by the institute

S.No.	Faculty Training Programme	Key Person	Date
1	Faculty Orientation programme	Utlal Balaji, HMRL <i>Piramal Swasthya Management & Research Institute: Importance of Pedagogy</i> <i>Prof Viswanadham, Becoming a good teacher</i>	25 th June 2015
2	Anurag Senior Functionaries meet- 2015	Dr. Hemanath Rao, Director Stratlead International	27 th June 2015
3	A Workshop on “ Outcome Based Education”	Dr. Yesurathnam, Prof in EEE Dept, Osmania University, Hyderabad. Dr. G. Ravindranath, Professor & Head, EEE Dept, MVSR ENGG College, Hyderabad.	1 st July 2015.
4	A Work Shop on “Structures, Failures and Lessons”	Dr Ivatury S. Raju, NASA Technical Fellow, Langley Research Center, Hampton, A, USA	9 Feb 2015

5	A Seminar on “Google Application for Education”	Ch.Dwarakanath Director, Implementation & Training, Google India.	23 & 24 December 2014
6	A Seminar on “Computer generated halogram for 3d display”	Prof. Hiroshi YOSHIKAWA, Ph.D., Dept. of Computer Engineering, College of Science and Technology, Nihon University, Japan	21 December 2014
7	A workshop on ‘Preparing Today’s Students for Tomorrow’s Challenges’	Department of H&S TPO Mr.SatyaKiran	25 November 2014
8	Role of S/W Engineering in Project Development	Dr. William, Microsoft India, Hyderabad	13 November 2014
9	A workshop on AUTO SUGGEST, Data Structure and Algorithm behind it.	S. Sandeep Kumar & Team, Microsoft	8 November 2014
10	A Workshop on Data Analytics	Mr.Shankar, National Business Head (SAS@Lodestone Learning) Mr. Sunny, Asst Manager (SAS@Lodestone Learning)	29 October 2014
11	A Seminar on “Introduction to Data Science”	Dr.Dakshinamurthy, educator, consultant, Scientist and entrepreneur, INSOFE.	10 October 2014
12	A Workshop on “the 21 st Century Grand Challenges of Engineers”	Department of H&S In collaboration with IUCEE	15 to 17 Sept. 2014
13	FDP on recent trends in Electric Traction		18 th & 19 th Sep 2014.
14	Grass-root level Innovations & Entrepreneurial opportunities	P Ganesham, Founder of Palle Srujana & Honeybee network	22 Aug. 2014
15	Work Shop on “Augmented Reality”	Mr. Punkaj Diwan, CEO-UPTEC IDEA Labs	13 th Aug 14
16	A Seminar on “Engineering projects in Community service”	DR William oaks, Director, EPICS, Purdue University	2 Aug 14
17	A Seminar on “Global Professional development”	Sri Nivas P C S Talent acquisition team lead Infosys	2 Aug. 14
18	Conference on “Engineering the Future Engineer”	Bhargav Mamillapalli, Anil Nair Classes Prof Anil Ramesh, Director, Siva Sivani Institute of Management Dr AV Hanuman, Andhra Pradesh	25-26 Aug 14
19	IBM Orientations program on Moving Ahead with Times	Ms. Sheetal Soni, Country Channel Manager, Career Education, IBM India	16 July 2014
20	21st Century Grand Challenges of Engineers	Prof Krishna Vedula, Executive Director, IUCEE	15 July 2014
21	Interactive session for students on Project Based Learning	Prof Siva Krishnan, Faculty Expert, IUCEE	15 July 2014
22	Seminar on “Career opportunities”	Mr. Raja Das Guptha, Country Manager, Oracle India	15 July 2014
23	A National Workshop on Project-Based Active Learning Methods in Engineering	Dr Siva Krishnan is from IUCEE, faculty expert, Indianapolis, USA.	14 & 15 July 2014

24	FDP on Engineering drawing	Prof Kommariah, SNIT, Hyderabad Prof Ratnareddy, CBIT, Hyderabad	26th &27th June2014
25	MATLABWORKSHOP	Mr. Sk. JakeerHussain	26th June2014
26	Faculty Orientation Programme	Ms. Sandhya Kode, Director Enhance Education IIIT, Hyderabad Mr. LionNagaraju Mr. Daniel Raj, Chief Executive Officer, Smart Skills Lab Prof Anil Ramesh, Director, SivaSivani Institute of Management V.S.V.Laxmi Ramana, Professor, VJIT Dr. P. Venugopal Reddy, Director, VJIT, VJIT	25th &26th June2014
27	A Seminar MVC Architecture& Importance of Framework	Mr.Jaya Kumar, Technical Head, Neo-App Technologies, Hyderabad	21 March2014
28	A guest lecture” by“Distinguished Alumni” organised by VJIT Alumni Association.	. Dr. Ramagopal Varma. Ramaraju of2004-08batch, Sr. Lecturer, Faculty of technology, University Malaysia	11 March2014
29	A Seminar on IOS Native Application Development	Mr. K. Sandeep, Senior Software Engineer, Cognizant Technology Solutions, Hyderabad	7 March2014
30	Two day national level workshop Hacking Essentials	G. Vishwanath, South Regional Manager, EC-Council, India	20 & 21Feb 2014
31	A Two Day Workshop On “COMPREHENSIVEMATLAB”	Mr. Mahesh Anand S, Founder & CEO,SCS-India.	19 th &20 th Feb. 2014.
32	Smart grid	Mr. Sridhar CPTI	6 February 2014
33	A National Level one day Hands-on ISTE workshop on Adobe Photoshop	Mr.Vemuluri Rakesh, Technical Head, Mr.Dharmana Krishna Mohan and Mr.Veluri Ramakrishna from SHAFT Academy of Media Arts,Hyderabad	4 th February 2014
34	A Seminar On ”Developing the ecosystem for academic excellence”	Mr. Abdullah, Former Executive Director, Power Finance Corporation and Motivational Speaker	14 Jan2014
35	Hands On Training “Medical Image Processing”	Mr. Sk. JakeerHussain	8 th Jan 2014.
36	One day seminar on Java Technologies	Mr.Sudheer Reddy, Team Lead, Wipro Technologies	4 th Jan2014
37	A Two Day Workshop On“Embedded System ARM7 And RaspberryPi”	Suprath Joshi, CEO, Embedded RF Technologies	3 & 4January 2014.
38	A talk on Out Come Based Education	Prof Krishna Vedula, Executive Director, IUCEE (Indo US Collaboration for Engineering Education) Prof Krishna Vedula,ExecutiveDirector	2 Jan2014
39	A Work Shop on “FPGA Based VLSI Design Using Verilog With Practical Implementation”	N. Suresh Kumar, Director, ELEGENT Technologies	19th& 20thDecemb er 2013

40	A Seminar on “ Agri Sensors”	Dr. Sarun Sumriddechajorn Principal Research /Director Intelligent Devices and System Research Unit National Electronics and Computer technology center National Science and Technology Development Agency Thailand	December 19 2013
41	Where is the engineering profession heading: The challenges and opportunities	Mr. Ahmed, Head- South Operation- Talent Sprint	December 16 2013
42	A Work shop on “Grid management”	4. Md Anwaruddin Director/ Grid Operation/ APTRANSCO 5. Sri MSR Sarma SE/ Protection APTRANSCO (Retd.) 6. Dr P V Satya Ramesh DE / Open ACCESS/ APTRANSCO	12 th & 13 th Dec 2013
43	Load Dispatch Operation	Dr P V Satya Ramesh DE / Open ACCESS/ APTRANSCO Prof. S.M. Zafarullah HOD, EEE Dept / VJIT	12 th & 13 th Dec 2013
44	SPECTRA 2013 “Two day workshop on Optics”	Prof K Venugopal Reddy, HOD, Physics, OU Dr. C.P. Vardhani, Head, Department of Physics, Osmania University College for Women.	9 & 10 November 2013
45	Work Shop on “Optics”	OSA student chapter of VJIT	30 September 2013
46	Industry institute interaction programme	Mr. Chamarthi Srinivas CYME Automation System Pvt. Ltd.	30 August 2013
47	Need for Concept Oriented Physics Teaching in Engineering Colleges	Prof. K. Rama Reddy, Senior Director, ANGI Dr. Suryanarayana, IIT, Hyderabad Dr. P. Madhusudana Rao, BOS, JNTUH Dr. P. Kistaiah, professor, OU Professor P. Yadagiri Reddy, OU	12 th to 17 th , August, 2013
48	Moving ahead of the curve: why industry – academia connect matters.	Mr. Sundaram, Campus Recruitment Lead	August 08 2013
49	Latest trends in the IT Industry	M.S.R. Murthy, Delivery Head, TCS	August 04 2013
50	Two days National workshop on Cloud Computing Development.	Dr. Rajkumar Buyya Prof. in computer Science and Engineering Dept, Melbourne University and CEO Manjra Soft Pvt Ltd. K. Raghavendra Scientist Adrin	2 nd 3 rd Aug. 2013
51	Role of Mathematics in Engineering	Prof. M. A. S. Srinivas, Professor and HOD of Mathematics, JNTU, Hyderabad Prof. K. Satyanarayana Prof. Srinathan, IIIT, Hyderabad Dr. A. Ramu, Professor of Mathematics, BITS, Hyderabad Dr. B. S. Lakshmi	15 th to 20 th July 2013.
52	Basics of electrical engineering	Mr. Prof. S.M. Zafarullah (HOD/EEE) N.L.V. Prasada Rao (Prof)	27 th to 29 th June 2013

53	Faculty Orientation Programme	1. Sri A.K. Menon, MD, Options Executive Search Pvt Ltd 2. Sri Achyuth Rao, President Bala Hakkula Sangham, A.P 3. Sri Venkata Ramana, Founder and Director of HIMS 4. Sri Tirumal Reddy, Learning and Development Professional 5. Sri Akella Raghavendra Rao 6. Sri Bala Kishore, Senior Vice President, United Online Software Development India Pvt Ltd., 7. Prof. Pradeep Department of Civil Engineering, IIIT, Hyderabad	24 th & 26 th June, 2013
54	Recent trends in electric traction	Sri R.V.V. Subramanyam, ADE/ Electric Traction/ SCRLY, Secunderabad Sri Pramod .P , DGM / L & T Metro Rail/ Hyderabad	24 th June 2013
55	Efficient teaching methods for engineering students	Mr. Chamarthi Srinivas CYME Automation System pvt.Ltd.	25 May 2013
56	Two days National workshop on Android Application Development	1 G. Srinath Reddy Technical Head in COIGN Edu pvt ltd. 2.S.Naveen, Sr. Software Engineer 3.Y.Shiva Reddy, Software Engineer	3rd & 4th April 2013
57	Instill Design	Ms. Prathima Guptha (IIT Bombay), Mr. Kalyan (National Institute of Technology).	22nd-23rd March 2013
58	Opportunities in the Finance Industry	Aditya Lanka, IIM Kolkata alumni and a former consultant with Bloomberg	March 11 2013
59	Smart grid	Mr. Mahesh Kumar ADE/CPDCL	5 March 2013
60	One day National seminar on Ethical Hacking & Information Security. Ethical Hacking & Information Security.	Mr. Safeer ur Rahman Technical Director, EC-Council, Hyd.	2nd March 2013
61	One Day National seminar on Microsoft Application Development.	1. C.Ramesh ,Sr. Software Developer, visual studio platform 2.Mr.Naveen Kumar,	26 Feb 2013
62	Latest advances in the IT industry	Madhu Murthy, former Vice President, Applabs and co-founder, Talent Sprint	Feb 15 2013
63	A Seminar on “Open source Technologies, IBXGLUG”.	Ms. Linitha, Sr. Software Engineer, CSC, Hyderabad.	14th Feb 2013
64	Non conventional energy sources	3.Dr D P Kothari Director General J B Group of Educational Institutions 4.Sri Rama Raju, Solar energy consultant 3.Dr.T.S.Surendra, Principal BVRIT, Hyd 4.Sri Uday, wind power engineer, Suzlon Energy Ltd Pune.	23rd to 24th Jan 2013
65	A Workshop on “Autonomous Robotics	Techkriti'13, IIT Kanpur & I3 Indya Technologies	23rd & 24th Jan 13

66	Infosys Technical Seminar	Dr.Sundharam (Head, Recruitment)	23rd January, 2013
67	A Seminar on “Optical precision metrology”	Prof. Anand Krishna Asundi Ph.D. Eng school of Mechanical & Aerospace Engineering, New Jersey	December 27 2012
68	Workshop on “Photonics & Applications of Optical Fibers”	Prof TSrinivas, IISc, Bangalore	7 & 8 December 2012
69	Employability and career Opportunity in New Era	Prof.M.S.RMurthy (Head, TCS, Hyderabad)	6th November-2012
70	Prospects of computing Education	Prof. Pratap Reddy (PVC College New Jersey, USA)	21 st Oct 12
71	A Lecture on Prospects of Computing Education.	Prof. Pratap Reddy, PVC College, New Jersey, USA	5th Oct 2012
72	A Seminar on “Software testing in real time scenario”.	MD. Riyaz, Team Lead –HCL	27 September 2012
73	Applications of Mathematics in Engineering Sciences	Prof. D. Rama Murthy, OU Prof. M. V.S.Srinivas, HOD, JNTUH Prof. J. Anand Babu, (Retd.), OU Prof. V. Haragopal, OU	4 th & 5 th Sep. 2012
74	Latest Trends in Materials.	Department Of Physics	24 th & 25 th , Aug. 2012.
75	Large capacity turbogenerators	Mr. V. Bhanu Murthy, S.E, BHEL , Haridwar	14 August 2012
76	Foster professional communication skills	Mr.Prem Dayal, Lead Manager Education & Research	August 10 2012
77	A one day Seminar on AIX (UNIX- flavored) Operating System.	Mr. Krishna Chaitanya , Sr.Consultant power systems and services, IBM	27th July 2012
78	Recent trends in switch gear and protection	Dr. M Rammoorthy, Former Director General/CPRI Sri.Dhakshina Murthy (CE/Retd. APTRANSCO).	July 5 th to 7 th 2012
79	The Latest Trends in the IT Industry	Mr .Karthikeyan, Sr.HR Manager, Mphasis	March 19 2012
80	Solar energy applications	Dr.SURENDER Principal, BVRIT	1 March 2012
81	Earthing practices in power systems	Sri. Karamchetty Jawaharlal Nehru Sr.Faculty ESCI	30 Jan 2012
82	Performance & testing of induction motors	Sri. M.S.N. Sastry Former Director Heavy Water Board	20 Jan 2012
83	Training on Aptitude, Reasoning, Soft Skills and Communication Skills	Mr. Niranjana and Mr. Gangadhar of Career Conduit	16 to 22 nd Jan 2012
84	A Seminar on “Web technologies”	V Vijay Kumar, Mag Web Technologies	17 th Sept, 2011
85	Applications of electrical machines in power industry	Sri. M. Gopal Rao, Director/APTRANSCO (Retd) Mr.Joseteje, Railway Traction system, Secunderabad	Aug 26 & 27 2011
86	Environmental Pollution, Its sources Effects and Remedies	Department Of Chemistry	23 rd Mar, 2011
87	Nuclear power plants	Mr. A. Chandra Mohan Rao Sr.Scientific Officer "G" A.D.E.(Retd)	17 February 2011

88	Energy conservation for national growth	Mr. S. Ganapathi S.E.(RETD)(APTRANSCO)	8 Feb 2011
89	A Seminar on “Design and Development of Mobile Embedded Systems”	Dr.LalKishore, JNTUH	11 Jan 2011
90	SCADA applications in power systems	Sri.P.V.Srinivas DE/AP.GENCO/HYD Sri.Ramesh/ADE/TEL/AP.TRANSCO Sri. N.L.V. Prasada Rao DE/SCADA(APTRANSCO)(Retd)	Dec 22nd & 23rd 2010
91	Recent trends in power transmission system	Mr.C.Devender Reddy SE/ Hydel/ APGENCO. (Retd.) Mr.K.Rama Krishna DE/ HotLines/APTRANSCO Mr.Narayana Rao ADE/ HotLines/ APTRANSCO	Feb 4th & 5th 2010
92	Relevance & meaning in the Teaching and Learning of English communication skills	Department Of English	25th and 26th July, 2008
93	Power electronics and Drive systems in industrial environment new trends	Prof.PP.Reddy, HOD, KG Reddy, EC Dept.	17th Jan 2013

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

The faculty members of the college are actively involved in the research; the table below gives the department wise faculty research specialization.

S.No.	Research Area	Faculty Expertise
1	Dr.P. Venu Gopal Reddy	Ferroelastic behavior of manganite based multi ferroics
2	Dr. A.Padmaja	Bioconversion of Agriculture wastes to biofuels
3	Dr. V.Venkata Krishna	Image Processing, Net work Security.
4	Dr. V.V. Satyanarayana	Welding Technology
5	Dr.B.V.Reddi	Material Science
6	Prof. S.M. Zafarulla	CO- Generation Design and Optimization
7	Prof. Sree Ram Reddy	CAD/CAM
8	Dr. B.G. Reddy	Available Transfer Capability enhancement using FACTS controllers
9	Dr. M.V Krishna Rao	Digital Signal Processing
10	Prof. Ravi Mathey	Image Processing
11	Dr. Krishna Kumari	Peristaltic Pumping of Physiological fluids
12	Dr. Raju	Higro Thermo Elastic Models.
13	Dr. R. Ramakrishna	Neural Networks
14	Dr. Archana Dongre	Structural Engineering (Structures behavior during Earthquake).
15	A.R.M Vani	Hi Voltage Engineering.

16	K.Ireena	Power Systems.
17	K.Sateesh	Power Systems.
18	B. Kanthi Kiran	Power Systems.
19	M.RajendraPrasad	Embedded Systems Design.
20	D.Venkateshwarlu	KDD (Knowledge Data Discovery) through tools and Techniques
21	B.Sreenivasulu	Data Bases
22	Dr. M. Pratibha	Computer Assisted Language Learning
23	D.Indira Priyadarshini	Developing Writing Skills for Professional Students
24	M.Anand Pandarinath	Thermal, Optical, Electrical and spectroscopic studies of Vanadium doped Boro-Tellurite glasses

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 institute invites the eminent researchers from reputed universities at National & International level for the benefit of the faculty and students.

The lectures covers on latest teaching methods, emerging research areas. Apart from this through webinars faculty interact with US faculty/reputed Institutes Professors in India.

The Institute has collaborations with Indo US Collaboration for Engineering Education and IIIT Enhance Education.

The following experts have visited the college for the last 4 years.

Statement showing the details of eminent researchers / resource persons visited the college for the past 4 years.

Dept. of Mechanical Engineering

S.No.	Year	Name of the Academician/Scie	Designation	Organization	Purpose of Visit
1	2014-15	Dr Ivatury S. Raju,	NASA Technical	Langley Research	Guest lecture
2	2014-15	Dr.P.RavinderReddy	HOD	CBIT	Guest Lecture
3	2013-14	Dr.SivaKrishnan	Visiting professor, Purdue	IUCEE	2 day work shop on PBL
4	2013-14	Dr.KrishnaVedula	Executive director	IUCEE	College Visit
5	2013-14	Dr.KrishnaVedula	Executive Director	IUCEE	Out come Based Education lecture
6	2012-13	Dr.Komaraiah	Ex- Professor	OU	Guest Lecture
7	2011-12	Dr.Uma PrasadThakur	Director	DMDA	Guest Lecture
8	2011-12	Prof.P.Rama Reddy	Ex- Registrar	JNTUH	Guest Lecture

Dept. of Electrical & Electronics Engineering

S. No.	Year	Name of the Academician/Scientist	Designation	Organization	Purpose of Visit
1	2015-16	Sri PVS Siva Prasad	HOD/CSE	Nalla Malla Reddy Engg	Guest Lecture
2	2014-15	Sri PVS Siva Prasad	HOD/CSE	Nalla Malla Reddy Engg	Guest Lecture
3	2013-14	P.P. REDDY	SR. ENGINEER	L&T	Guest Lecture
4	2013-14	Mr. Ch.Srinivas,	Director	CYME Automation	Guest Lecture
5	2013-14	Md Anwaruddin	Director/ Grid	APTRANSCO	Guest Lecture
6	2013-14	Sri MSR Sarma	SE / Protection	APTRANSCO	Guest Lecture
7	2013-14	Dr P V Satya Ramesh	DE / Open ACCESS	APTRANSCO	Guest Lecture
8	2013-14	K K Jain	HOD /EEE	Bhasker Engg College	Guest Lecture
9	2013-14	Dr.M.Mohan Rao	Sr.Engineer	BHEL (R & D)	Guest Lecture
10	2013-14	Sri Sridhar,	AE	CPDCL	Guest Lecture
11	2013-14	Md. Ghouse	Retd Principal		Guest Lecture
12	2012-13	DR. M. RAMA MOORTHY	former director	cpri, banglore	Guest Lecture
13	2012-13	J.Dhakshina Moorthy	chief engineer	aptransco	Guest Lecture
14	2012-13	Sri.N.L.V.Krishna Rao	former sr.protect	tata electric company	Guest Lecture
15	2012-13	P.S.N.Raju	Ade	protection 400 kv ss	Guest Lecture
16	2012-13	Sri. M.Seetha Rama Sharma	se(retd.)	power systems aptransco	Guest Lecture
17	2012-13	Dr. D.P.Kotari	former vice chancellor	vit	Guest Lecture
18	2011-12	Mr. Gopal Rao	Former Director	APTRANSCO	Guest Lecture
19	2011-12	Mr. CH. Venkata Rajan	CE	APGENCO	Guest Lecture
20	2011-12	Mr.CH. Srinivas	Former Manager	Elmote Alternators	Guest Lecture
21	2010-11	Mr.S.Ganapathy	S.E	AP TRANSCO (Retd.)	Guest Lecture
22		Mr.ChandraMohan Rao	Scientific Officer	D.A.E	Guest Lecture

Dept. of Electronics & Communication Engineering

S.No	Academic -Year	Name of the Academician /Scientist/Visitor	Designation	Organization	Purpose of Visit
1	2014-15	Mr. Ch. Satyanarayana	Scientist G, Head of Telemetry and Telecommand System Group,	RCI, Hyderabad	Signal Processing and Communications, Colloquium-III
2		Dr.Jayanthi SivaSwamy	Professor,Center for Visual Information Technology (CVIT),	IIIT, Hyderabad	Empowerment of Women Engineering.
3		Dr.Rajarshi Mahapathra	Technical Specialist,	Rockwell Collins,Hyderabad	Cognitive Radio:Making Radio Self Aware
4	2013-14	Prof. S.V. Narsimha Reddy	Associate Professor	CVR college,Hyderabad	Guest Lecture
5		Mr. Syed W Hussaini	Researcher	Business Systems and Cybernetics Center at TCS Ltd.,	<u>IEEE Student Chapter</u> inauguration
6		Mr. M. Sessa Chalam	Addl. GM Mobile Sales,	BSNL, Hyderabad	Special Lecture
7		Mr. N. Suresh Kumar,	Director	ELEGENT Technologies	Workshop
8		Mr.S.Mahesh Anand	Founder & CEO	SCS-India.	Workshop On “COMPREHENSIVE MATLAB”
9		Mr .Suprath Joshi ,	CEO	Embedded RF Technologies,Hyderabad	A Two Day Workshop On “Embedded System ARM7 And Raspberry Pi”
10	2012-13	Dr. K.S.Rao	Director	Anurag Group of Institutions, Hyderabad	Guest Lecture
11		Mr. M. Sessa Chalam	Addl. GM Mobile Sales,	BSNL, Hyderabad	Guest Lecture
12		Prof. R. Ethiraj	Professor in ECE	Methodist College Of Engineering Hyderabad	Guest Lecture
13	2010-11	Prof. S. Maheswara Reddy	Associate Professor	Hitech College Of Engineering,Hyderabad	Guest Lecture
14		Dr.Lal Kishore	Rector	JNTUH,Hyderabad	Guest Lecture
15		Prof.D.Linga Reddy	Prof in ECE	Osmania University,Hyderabad	Guest Lecture
16		Prof. R. Ethiraj	Professor in ECE	Methodist College Of Engineering Hyderabad	Guest Lecture
17		Mr. Hari Reddy	Director	Zonta Technologies, Hyderabad	Guest Lecture
18		Dr. G. Ramaiah	Director	Prakasam Engineering College, Kandakur, Ongole	Guest Lecture

Dept. of Computer Science Engineering

S.No.	Year	Name of the Academician/Scientist	Designation	Organization	Purpose of Visit
1	2014	Dr.DakshinaMurthy	Consultant Scientist & Entrepreneur	INFOSEC	Seminar
2	2014	Mr.PunkajDiwan	CEO-UPTEC	IDEALabs	GuestLecture
3	2014	Ms.SheetalSoni	CountryChannel Manager	CareerEducation,IBMIndia	Seminar
4	2014	Mr.Raja DasGuptha	CountryManager	OracleIndia	Seminar
5	2014	G.Vishwanathr	South Regional Manager	EC-Council, India	Workshop
6	2014	Mr.SudheerReddy	TeamLead	WiproTechnologies	Seminar
7	2012-13	Dr.RajkumarBuyya	Profin ComputerScience and EngineeringDept	Melbourne University	Workshop
8	2012-13	K.Raghavendra	Scientist	Adrin	Workshop
9	2012-13	G.SrinathReddy	Technical Head	COIGNED UPVT LTD	Workshop
10	2012-13	S.Naveen	Sr.SoftwareEngineer	COIGNED UPVT LTD	Workshop
11	2012-13	Mr.Safeer urRahman	Technical Director	EC-Council, Hyd	Seminar
12	2012-13	C.Ramesh	Sr.SoftwareDeveloper	VisualStudio platform	Seminar
13	2012-13	Mr.NaveenKumar	Software Developer	Windows PhoneApps.	Seminar
14	2012-13	Ms.Linitha	Sr.SoftwareEngineer	CSC,Hyd	GuestLecture
15	2011-12	Padmasri Dr.Deekshatulu	Chairman	NIT Warangal	FDP
16	2011-12	Dr.R.Sridevi	Professor	JNTUH	FDP

Dept. of Information Technology

S.No.	Year	Name of the Academician/Scientist	Designation	Organization	Purpose of Visit
1	2014-15	Dr.Dakshinamurthy VKolluru	Scientist	INSOFE	GUEST LECTURER
		Mr.Raja Dasguptha	CountryManager	OracleCorporation	
2	2013-14	Mr.JayaKumar	Technical Head	NeoApp Technologies	
		Raghuram Sunkara	Director	DSTWS	
		Vijay Mohan Gantasala	Director	DSTWS	
		Dr.Priti Chandra	Senior Scientist-ASL	DRDO	
		Mr.K.Sandeep	Senior SoftwareEngineer	CognizantTechnologySolutions	
		Mr.Vemuluri Rakesh	Technical Head	SHAFTAcademyof MediaArts	
3	2012-13	Mrs.Pratima Gupta		IIT Bombay	
		Mr.Kalyan		National Institute of Design	
		Mr.NaveenKumar	TeamLead	Microsoft	
		Prof. PratapReddy	Professor	PVCCollege, New Jersey, USA	
		MD.Riyaz	TeamLead	HCL	
		M.S.R.Murthy	DeliveryHead	TCS	
		Mr.KrishnaChaitanya	Sr.Consultant	IBM	

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?

- Faculty members utilized the Sabbatical/study/Academic Leave for their higher studies.
- The staff who were appointed in the past utilized sabbatical leave to improve their qualification
- The college has a policy to depute faculty to pursue their Ph.Ds enabling them to promote research culture in the campus.
- The institute permits the faculty to attend refresher courses.

List of staff permitted to pursue their higher studies.

Sl.No.	Name of TheFaculty	Dept.	Reasons
1	Mrs. PavithraReddy	EEE	M.TechCourse
4	Mrs.B.Jyothsna	EEE	“
5	Mrs.K.Swapna	EEE	“
6	Dr.AshokReddy	Mech.	Ph.D.
7	Mrs.Y.Renuka	Mech.	M.TechCourse
8	Mrs.K.Pavani	ECE	“
9	Mrs.B.RamaMahaeshwari	ECE	“
10	Mrs.M.SunithaRani	ECE	“
11	Mrs.M.Renuka	ECE	“
12	Mrs.M.Srilakshmi	ECE	“
13	Mrs.N.Uma	ECE	“
14	Mrs.E.Kavitha	ECE	“
15	Mrs.Ch.Suchatritha	ECE	“
16	Mr.V.Sridhar	ECE	“
17	Mrs.A.PrasannaLakshmi	ECE	“
18	Mr.K.LakshmiLokesh	ECE	“
19	Ms.SantiPriya	ECE	“
20	Mrs.K.Pavani	ECE	“
21	Mr.P.KiranKumar	CSE	“
22	Mrs.J.Bramarambha	CSE	“
23	Mrs.G.Surekha	CSE	“
24	Mr.B.EswarBabu	IT	“
25	Mrs.Ch.Kiranmai	IT	“
26	Mrs.T.Devi	IT	“
27	Mr.M.SureshBabu	IT	“
28	Mrs.G.Indira PriyaDarshini	IT	“
29	Mr.Mohd ZaheerAhmed	IT	“
30	Mr.R.RamaKrishna	H &S	Ph.D.
31	Mr.D.Raju	H &S	Ph.D.
32	Mr.DipankersenGupta	H &S	Ph.D.
Non-TeachingStaff			
33	Mrs.S.Kavitha	EEE	B.Tech
34	Mr.B.PadmaRao	EEE	M.Tech
35	Ms.S.Vasuda	Library	B. Li.Sc.
36	Mr.G.Manikyam	EEE	ITI
37	Mr.G.Ramesh	EEE	ITI
38	Mr.D.BhaskarRao	EEE	ITI
39	Mr.V.PavanKumar	Mech.	ITI
40	Mr.A.RameshBabu	Mech.	ITI
41	Mr.K.DarshanKumar	ECE	ITI
42	Mr.G.Nageshwar	CSE	ITI
43	Mr.B.Madhukar	EXAM	ITI
44	Mr.S.Srihari	Library	ITI
45	Mr.G.Kumar	Mech.	ITI

Initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and else where to students and community (Lab to Land)

- Research projects taken up by the college are mostly relevant to societal needs.
- Both post graduate and under graduate students are given preference to take up projects related to Industrial and society needs.
- Students have done many projects for the benefit of the society. Few are listed below
 - Artificial eye implementation for detecting monochrome objects and sorting
 - Lungs health monitoring by respiration analyzer using microcontroller
 - Object Detection & Ranging Using ARDUINO
 - Solar Electrical Four Wheeler
 - Solar Electrical tri cycle for physically challenged
 - Solar Skating vehicle
 - Solar fencing was done by the students for the institution.
 - Solar panel powered four wheeler vehicle.
 - Health Care solutions for a smarter city via Unique ID
 - App for Anti ragging
 - Online feed back system
 - App for academic information of college
 - Design and fabrication of seeds sowing cum fertilizer machine.
 - Paralysis prosthetic hand.

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.

About 5% of total budget is normally earmarked towards research activity every year.

- The College earmarks Rs.10.0 lakhs budget every year for in house R &D
- The college also provides budget for advance software package necessary to carryout research projects.
- Text books, reference books and handbooks related to advanced topics are also added to the college library for the use to the faculty and students to carry out their research activity.
- College also provides additional budget if required to the projects sponsored by external agencies to develop the labs and to organize seminars and faculty development programmes etc.

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

- The college provides seed money to the faculty for presenting technical papers at national and international conferences provides on duty leave and TA/DA.
- Institute sponsors faculty for Faculty certification program training by International Society

for Education in collaboration with IUCEE. (Certified by Microsoft)

- The institute provides seed money to students for going to industrial tours and participating in International workshops and conferences.
- As per the HR policy of the institution faculty receives an incentive of Rs 1000/-per each publication, for acquiring Ph.D.degree received an addition increment of Rs.3000/- to 8000/-

Amounts spent towards faculty research during last 4 years

Type of Support	Financial Provision to Support Faculty Rs in Lakhs				
	2011-12	2012-13	2013-14	2014-15	Total
Paper Presentations	--	1,30,000	1,50,000	1,50,000	4,50,000
Ph.D Incentives	--	--	96,000	1,20,000	2,16,000

The details of the amount availed by the faculty are as follows

S.No	Name of the Faculty	Year	Name of the Programme participated	Place of the program	Grant received
1	Dr.Dipankarsen Gupta	2012	SPIE Photonics Europe	Belgium	\$3000
2	Mr.E M Raju	2015	SPIE Photonics West2015	SanFransico, California,US	\$2800
3	Ms.Vani	2014	ICITACEE	IEEEConference, Indonesia	\$500

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

The management encourages the students by making financial provision in the institutions budget or students innovative research projects. Financial assistance is sanctioned to the students on the advice of the HOD to their innovative projects.

The following students are sponsored under SPIE programme to attend conferences.

Travel Grants Received by the students

S.No	Name of the student	Year	Name of the Programme participated	Place of the programme attended	Grant received
1	S ShashidharReddy & V CBadrinath	2013	Student Leadership Workshop	San Diego, CA, USA	\$2500
2	V C Badrinath	2013	Frontiers in Optics/Laser Science (FiO/LS)	Orlando, Florida, USA.	\$2000
3	V C Badrinath	2014	SPIE International Symposium on Sensing Technology Applications	Baltimore, Maryland, United States.	\$600

4	Kumar Ravi and VC Badrinath	2014	SPIE International Symposium on Optical Engineering Applications,	San Diego, California, US A	\$2500
5	P Anurag Reddy	2015	SPIE Photonics West 2015	San Francisco, California, US	\$2800
6	V C Badrinath	2015	Light: a Bridge between Earth and Space	Trieste, Italy.	€395
7	V C Badrinath & Ravi	2015	Siegman International School Of Lasers Max Planck Institute	Germany 02-07 August	\$2200
8	Kuchibhotla Ashwin kumar Mechanical	6 to 13 June 2015	PRODECT'15 Summer School Department of Product and Systems Design Engineering	University of the aegean Island of Syros	Innovative product design & development
9	Kuchibhotla Ashwin kumar Mechanical	12 to 17 July 2015	Plasma Surf 2015 Summer school in Plasma Physics	Oeiras Portugal	Only 35 people got selected through out
10	Kuchibhotla Ashwin kumar Mechanical	July 20 to July 31 2015	International Summer school Aerospace Information Technology	Wuerzburg Germany	€700
11	Prathusha	4 July , 2015 to 12 July 2015	PolytechMons: Internship	University de Mons, Belgium	€450
12	Kuchibhotla Ashwin kumar Mechanical	4 July , 2015 to 12 July 2015	PolytechMons: Internship	University de Mons, Belgium	€450
13	V C Badrinath Mechanical	2015	Light: a Bridge between Earth and Space Preparatory School	Trieste, Italy.	€395
14	B Santhosh pawan kumar	2015 Sep 17 th to 24	GSF(Global Student Forum)	Florence, Italy	\$750
15	P Ajay	2015 Sep 17 th to 24	GSF(Global Student Forum)	Florence, Italy	\$750

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

The institution recognized interdisciplinary research is one of the innovative and best practices to adopt. Project proposals with interdisciplinary branches have been submitted to UGC & AICTE.

An inter-disciplinary project named Investigation of EMF radiation impact from embedded telecom devices on Biota was applied for AICTE and waiting for approval.

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

- Faculty utilizes the ICT in the institution not only for their teaching learning process but also for carrying out research and publishing papers.
- Internet facilities, e-journals, to utilize global information to update their knowledge, for their paper presentation etc.

- Library is open extra hours for the benefit of the students. Computers with net facility is available for the students and to carry out their research.
- The students with the help of e-journals and internet facilities prepare their projects and paper presentation.

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

The Institution has not received any grant from the industry.

3.3 Research Facilities

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

Nano Laboratory facilities have been created to carry out research. The facility mainly helps to prepare nano materials. Students of Mechanical Engineering have prepared nano materials.

All the departments are equipped with basic research facilities to carry out research projects in the departments

1. Infrastructure facilities

Library Facilities:		
1	Library Area	1029.4Sq.m
2	Seating Capacity	200
3	Digital Library	20 Systems
4	Internet (Quick Mail Search)	4Systems
5	OPAC	2Systems
6	CD's	1831
7	Project Reports	921
8	NPTEL Video Lessons Phase I and Phase II	113 (1.5TB)
9	Automation	EZLibrary
10	Classification	DeweyDecimal Classification

Data on Books and Journals

S.No	Programme	Titles	Volumes	Journals		e-Journals
				International	National	
1	Engineering	4239	22542	50	54	1577
2	Management	337	2377	13	10	685
Total		4576	24919	63	64	2262

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

- Institute makes separate budget allocation every year for procuring advanced equipment in laboratories and also procure necessary software to enhance the research facilities beyond the syllabus curriculum.
- Institute encourages students and faculty to promote research environment and provide incentives who publish papers in journals, get research projects from industry and funding agencies.
- The departments conduct seminars and workshops for inculcating research culture among students and faculty.
- The institute / departments arrange guest lectures by eminent researches on emerging and new areas of research
- Dedicated computer systems are provided to faculty involved in active research.
- To replace the out dated equipment with updated and state of the art equipment with the help of modrobs.
- To subscribe for standard national & International journals and e- journals.
- To provide internet facilities for the faculty researchers.
- To update the computers with latest licensed soft ware.

3.3.3 Has the institutional 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?

- The departments of the institute have tied up with outside research organizations/institutions as to take up student collaborative projects and to promote R & D and consultancy activity.
- In addition to the in house projects many of the final year students are carrying out their project work in the Industry.
- Students are permitted to do their projects outside the campus such as in national research laboratories & industries like DLRL, DRDL, IICT, ECIL, BHEL.

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

In addition to the reference books: Institute library has Journals from various resources Delnet, ASME, IEEE, NLIST and Society for Networking for Excellence in Technical Education CD'S for the researchers

Resources Available under NLIST Programme

Journals Packages available:

1. IEEE (ASPP) – JOURNALS
2. DELNET – All branches of Engg.
3. ASME Journal complete package

Society for Networking for Excellence in Technical Education
SONET CD s

S. NO	DEPT	TITLE	CD Nos	Total CD's	Branch wise Total
1	EEE	Network Theory	1 to 36	18	60
2		Electro Mechanics	1 to 24	24	
3		Modeling of Power Systems	1 to 15	8	
4		Power Electronics	1 to 8	4	
5		Electro Magnetic Field Theory	1 to 12	6	
6	ECE	Switching Theory & Logic Design	1 to 34	17	96
7		Communication Theory	1 to 27	14	
8		Linear & Digital IC Applications	1 to 24	12	
9		Interfacing through Microprocessors	1 to 10	5	
10		Digital Signal Processing	1 to 18	18	
11		Electronic Devices and Circuits	1 to 30	30	
12	CSE	Computer Organization	1 to 8	4	101
13		Computer Networks	1 to 10	5	
14		Design Analysis Algorithms	1 to 18	36	
15		Software Engineering	1 to 28	14	
16		Data Communication	1 to 10	5	
17		Principles of Programming Languages	1 to 12	6	
18		Database Management Systems	1 to 34	17	
19		Discrete Structures & Graph Theory	1 to 27	14	
20	H & S	Solid State Physics	1 to 23	12	12
TOTAL					269

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

Institute has created Nano materials lab. Mechanical Engineering students have prepared nano materials.

3.4 Research Publications and Awards

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

1. Patents obtained and filed (Process and product)
2. Original research contributing to product improvement
3. Research studies or surveys benefiting the community or improving the services
4. Research inputs contributing to new initiatives and social development

Research Publication and Awards

S.No	Name of the Faculty	Patent/Awards
1	Dr.B.V.Reddi	Received awards from National Physical Laboratories (NPL) and Indian Cryogenic Council for designing and fabricating Superconducting Magnet in 1975
2	DR V Venkata Krishna	Best research award by JNTU. Kakinada, A.P.

Patents obtained by the faculty

S.No	Name of the Faculty	Topic	Obtained	Filed	Process	Product
1	Dr. P. Venugopal Reddy	Development of W-type hexagonal ferrites as permanent magnets	Obtained	-	-	Product
2		Development of ferrite co-axial Circular/isolator with high isolation Ku band frequencies		filed		Product
3		Development of ferrite isolator with high isolation at X-band frequencies.		filed		Product
4	Dr. B.V.Reddi	Synthesis of Bi-based Superconductor by Cryo-precipitation	Obtained	-	-	Product

Research contributing to product improvement:

Dr. P. Venugopal Reddy

- Development of W-Type hexagonal ferrites as permanent magnets
- Development of ferrite co-axial circular/isolator with high isolation Ku band frequencies
- Development of ferrite isolator with high isolation at X-band frequencies

Dr A Padmaja

- Protease enzyme production from fungal source.
- Bioseparation and Biocatalysis of amino acids
- Identification of a suitable deprotection method, based on the nature of the amino acid.
- Production of Gamma Linolenic acid/PUFA
- Production of isoflavones by enzymatic catalysis
- Successfully launched 6 D/L amino acids into the market on par with international Specifications
- **Reduction of alcohol use as a major solvent required in production of fungal diastase**
- *Enhanced the yield of fungal diastase from 55 Kg to 70Kg and reduced the alcohol Requirement from 6000 Kg to 3000 Kg per batch thereby reducing production costs.*

- Formulation/Standardisation of a mixture of digestive enzymes (□ – Amylase, Protease, Lipase, Cellulase and Lactase)
- Development of technology for Bifidobacterium bifidus cultures
- Establishment of technology for the Production of Chondroitin-4-sulfate from Animal tissues
- Development of technology for the Fermentative production of Pencillin-G-Acylase

B.V.Reddi

- Interfacial energies in Aluminium - Copper alloys (1969)
- Relative Importance of nucleation and growth in recrystallisation and strength of aerospace aluminium alloys (1972).
- Growth kinetic models of Niobium stannide (Nb₃Sn) and Vanadium-gallium (V₃Ga) alloys (1978).
- Observation of trans granular-cracking in Y-based high temperature superconductors (HTSC) (1987-1988).
- Anisotropic growth of Bi-based HTSC and mica-like growth of grains (1987-1988)
- Fiber like growth of grains (texturing of Y-based high temperature super conductors (1988).
- Spiral growth mechanism of grains in HTSC Oxides, in both elted and sintered bulk products, hitherto not found so far by any researchers in bulk materials. Noble Prize winner
Bednorz in the field of superconductivity in 1987 and his team found such a spiral growth of grains only in thin-films (1988).
- Discovery of new superconducting phase-2112 in Bio-based super conductor (using Differential Dissolution Technique and other magnetization tests (1989).
- Synthesis of nan V₃Ga o-boxes, nano-rings, nano-cages, nano-towers and nano-hexagonal nuts of zinc oxides (2003/2004), other oxides (2003/2004) and pea-shaped and T-and V-type nanostructures of titania (2004/2005).
- Synthesis of nano wires of titania on polymers (2004).
- Making of nano-hexagonal carbon tubes/rings fir energy storage, using a simple arc-technique in water (2004/2005).
- Synthesis of nano-and micro-mesh-like bio-active material implants on titanium, niobium and tantalum metal and alloy supports (2005).

3. Research studies or surveys benefiting the community or improving the services:

- Designining of Tri bicycle to disabled persons by EEE students
- Installing electrical fencing on the College compound wall by EEE students.
- Designing a Climbing Robot by Mechanical students.
- Some of the projects developed are green revolution electricity car, Trivehicle for handicapped, Solar panel powered four wheeler vehicle and solar fencing for the institution.
- A project on Eye Movement Controlled Wheel Chair by Raspberry PI is implemented to contribute Physically challenged persons in ECE department.
- A project on Implementation of Hitech Agricultural Solar Fence Security With Soil Humidity Based Automatic Irrigation System and Voice Alert ON PIR Live Human Detection is implemented in agricultural area.
- A prtoject on IRIS recognition using RIDGELET Transform is implemented security systems.

- A project on Lungs health monitoring by respiration analyzer using microcontroller is implemented to in the area of health monitoring system.
- Mechanical Engineering students have developed Power Brake to stop rotating saw when human touches the blade by accident.
- Mechanical Engineering students have also developed Paralysis Prosthetic Hand to help people suffering from Paralysis.
- Another project titled Heat transfer enhancement of nano fluids in heat exchangers done by the Mechanical Engineering students to help the industries to increase their overall efficiency.

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?

Planning to publish

3.4.3 Give details of publications by the faculty and students:

Details of Publication by Faculty

S.No	Name of the Faculty	Details of Research Publications/ IPR	Name of the Journal	Year of Publishing / Registered
1	Prof.G.Sreeram Reddy	Optimum Design of a damped arbor for heavy duty milling	ISSN NO: 2278-7798 IJSETR Vol:4 Issue:8 PAGE NO: 2822-2830 (AUGUST 2015)	2015
2	Prof.G.Sreeram Reddy	Design and fabrication of Lever Operated Solar Lawn Mover and Contact Stress Analysis of Spur Gear	ISSN NO: 2278-7798 IJSETR Vol:4 Issue:8 PAGE NO: 2815-2821 (AUGUST 2015)	2015
3	Mr. Shaik Gulam Abul Hasan	Experimental Investigation on Performance, emission and combustion Analysis of CNG-Diesel enrichment with varying injection Operating pressures	e- ISSN: 2278 – 1684, P – ISSN: 2320 – 334X, Volume 12, Issue 2, (March – Apr 2015). www.iosrjournal.org	2015
4	Mr. Shaik Gulam Abul Hasan & Syeda Saniya Fatima	Design of a VRF Air conditioning System with Energy Conservation of Commercial building.	ISSN: 2277 – 9655. Impact Factor: 3.785. www.ijesrt.com (July 2015)	2015
5	Mr. Shaik Gulam Abul Hasan & Mr. Shaik Mohd Amoodi & Mr. J. Sandeep Kumar	VRF and Chiller Systems	ISSN : 2277 – 9655 (August 2015) www.ijesrt.com	2015
6	Mr. Shaik Gulam Abul Hasan & Syeda Saniya Fatima	Finite Element Analysis and Fatigue Analysis of Spur Gear under random loading (July 2015) www.ijesrt.com ISSN: 2277 – 9655	ISSN: 2277 – 9655. Impact Factor: 3.785. www.ijesrt.com (July 2015)	2015
7	Mr. Shaik Gulam Abul Hasan & Mr. Shaik Mohd Amoodi	Starring of Hydrogen as a Compression Ignition Engine fuel: a review	ISSN: 2250 – 0758 Volume 5, Issue 3, June 2015, www.ijemr.net	2015
8	Mr. Shaik Gulam Abul Hasan & Mr. Shaik Mohd Amoodi	Under Floor Air Distribution for better indoor air quality	ISSN: 2250 – 0758 Volume 5, Issue 3, June 2015, www.ijemr.net	2015
9	Mr. Shaik Gulam Abul Hasan & Mr. Shaik Mohd Amoodi	Design of II Stage Evaporative Cooling System for residential	ISSN: 2250 – 0758 Volume 5, Issue 3, June 2015, www.ijemr.net	2015
10	Dr.V.V.Satayanaraya a Dr. G. MadhsudhaReddy	Evaluation of properties of dissimilar stainless steel welds by Taguchi methods	National Journal of “Indian Welding Society”,	March 2007
11	Dr. V.V.Satayanarayana Dr. G. Madhsudhan Reddy	Effect of surface roughness in the friction welding of Austenitic ferritic stainless steel dissimilar welds	National Journal of “Institution of Engineers”, Vol. 88,	April 2007
12	Dr.V. V. Satyanarayana, G. Madhusudhan Reddy and T. Mohandas	Dissimilar metal friction welding of austenitic-ferritic stainless steels	International Journal of “Materials Processing Technology”, 160, pp 128-137.	2005,
13	Dr.V. V. Satyanarayana,	Continuous drive friction welding studies on AISI-304 austenitic	International Journal of “Materials and Manufacturing	2004

	G. Madhusudhan Reddy & T. Mohandas	stainless steel welds	Processes”, July, 2004, Vol.19, No.3, 493-497 pp	
14	Dr.V. V. Satyanarayana, G. Madhusudhan Reddy and T. Mohandas	Influence of welding processes on microstructure and mechanical properties of dissimilar austenitic-ferritic stainless steel welds	International Journal of “Materials and Manufacturing Processes” –February 2004	2004
15	Dr.V. V. Satyanarayana, G. Madhusudhan Reddy and T. Mohandas	Continuous drive friction welding studies on AISI-430 ferritic stainless steel welds	International Journal of “Science and Technology of Welding and Joining”, June 2003, Vol. 8, No. 3, 184-193 pp.	2003
16	Dr. V.V.Satyanarayana	Hard facing repair & maintenance	International Conference on “International welding symposium” – Conducted by Indian Tube association, 19-20 February 2005	2005
17	Dr. V.V.Satyanarayana	Effect of heat treatment process on electrical conductions for ferrous materials	International Conference on “Physical Metallurgical research techniques and applications” – Conducted by Bhabha Atomic Research Centre, Mumbai, 2-3 December 2004	2004
18	Dr. V.V.Satyanarayana, & Mr. T.Ram Mohan Rao	Competency and addition, a need for a successful Entrepreneur	International Conference on AIMS, December 28-31, , at IIM, Calcutta	2004
19	P.Ramakrishna Rao & V.V.Satyanarayana	A Simplified Numerical Technique For Metal Casting Process	9th ISME Conference on Mechanical Engineering, Roorkee, , pp 901-906	1995
20	Dr. V.V.Satyanarayana, Dr. G.Venkata Rao	Quality Optimization by Taguchi Method applied to Ferritic stainless steel friction welded Joints	National Conference on Advances in Joining Technology, Vasavi College of Engg, Hyderabad, 23-24 January 2004	2004
21	Dr. VV Satyanarayana, K.Kishore	Performance evaluation of Goose Neck Tools	National Conference on Advances in Manufacturing Systems, March 28-29, , Jadapur University, pp 106-111	2003
22	Satyanarayana, V.V. and K.Kishore	Instantaneous path fixing of autonomous mobile robots	Proc of International Conference on Intelligent Flexible Autonomous Manufacturing Systems, Coimbatore, Jan. 10-12, 2000, p.621	2000
23	Srihari,T and V.V.Satyanarayana	Study of the bead geometry in automatic gas metal arc welding	Proc. of National Seminar on Technology Management beyond, Nanded, Nov. 23-24, 1999	2000
24	Satyanarayana,V.V.	Review of experimental Techniques used for metal transfer in Arc welding process	International Welding Conf., New Delhi,	1999
25	Dr. V.V.Satyanarayana	Reduction of casting porosity in lost wax process choosing right coating materials by response surface criteria	QUEST ’99, Centre for Military airworthiness & Certification, Bangalore,	1999
26	Dr.V.V.Satyanarayan	Effect of metallurgical processes on	National Conference on	2004

	a & Mr. B.R. Kolluri	formability of sheet metals	TIME-2004, at Kakatiya Institute of Technology, Warangal on 27.12.2004	
27	Dr.V.V.Satyanarayan a & Mr. B.R. Kolluri	Significance of Plasma nitriding	National Conference on TIME-at Kakatiya Institute of Technology, Warangal on 27.12.2004	2004,
28	Dr.Srihari T.V.V.Satyanarayana , Ravi Varma, Diana, Unnati, Swathi,	Factorial Techniques to Predict Weld Bead Geometry in Flux Cored Arc Welding Process	4th International Conference on Mechanical Engineering, December 26-28, , at Dhaka, Bangladesh	2001
29	Dr.Srihari V.V.Satyanarayana, Ravi Varma, Diana, Unnati, Swathi,	Factorial Techniques to Predict Weld Bead Geometry in Electron Beam Welding	National Conference on Recent Advances in Materials Processing (RAMP –), September 7-8, 2001 at Annamalai Nagar, Tamil Nadu	2001
30	D.Srinivas Rao	Effect of Nanoparticles Dispersed Biodiesel Stability for Effectively Using as Alternative Fuel Energy	➤ at International Conference on Nanomaterials and Nanotechnology,(ICNANO2011), University of Delhi, New Delhi, INDIA.), Dated: 18 - 21 Dec.20 11
31	D.Srinivas Rao	Effect of Nanomaterials Sizes on the Dispersion Stability of biodiesel based nanofluids	Adv. Mater. Lett. 2015, 6(3), 247-251 DOI: 10.5185/amlett.2015.5638	2015
32	D.Srinivas Rao	Effect of Nanoparticles Size and Phase on the Stability of Nanofluids	International Conference on Nanoscience and Technology, (ICONSAT2012) Dated:, Hyderabad, INDIA.	20 - 23 Jan.201 2
33	D.Srinivas Rao	Investigations on γ -Al ₂ O ₃ Nanoparticles Dispersed Nanofluids	International Conference on Nanotechnology, (ICNT2013, Haldia Institute of Technology, Haldia, West Bengal, INDIA	25th – 26th Oct.20 13
34	D.Srinivas Rao	Investigations on the Effect of Functionalized Materials on the Stable Nanofluids of γ -Al ₂ O ₃ ,CuO and CNT Nanomaterials Dispersed Biodiesel	at International Union of Materials Research Society, International Conference in Asia-2013(IUMRS ICA-2013), Indian Institute of Science, Bangalore, INDIA.	6th- 20thDe c.2013,
35	D.Srinivas Rao	Nanomaterials and Their Size effects on Ignition Probability of Biodiesel based Nanofluids	International Conference on Nanoscience and Engineering Applications, (ICONSEA-2014) JNTUH Hyderabad, INDIA.	26 - 28 Jun.20 14
36	D.Srinivas Rao	National Conference on “New Materials & Processes For Improving Quality Of Infrastructure(NEMPQI 2012	University of Hyderabad, Hyderabad,	Oct- 19-20, 2012

S.No	Name of the Faculty	Details of Research Publications/ IPR	Name of the Journal	Year of Publishing / Registered
1	Prof.G.Sreeram Reddy	Optimum Design of a damped arbor for heavy duty milling	ISSN NO: 2278-7798 IJSETR Vol:4 Issue:8 PAGE NO: 2822-2830 AUG 2015	2015

2	Prof.G.Sreeram Reddy	Design and fabrication of Lever Operated Solar Lawn Mover and Contact Stress Analysis of Spur Gear	ISSN NO: 2278-7798 IJSETR Vol:4 Issue:8 PAGE NO: 2815-2821 (AUGUST 2015)	2015
3	Mr. Shaik Gulam Abul Hasan	Experimental Investigation on Performance, emission and combustion Analysis of CNG-Diesel enrichment with varying injection Operating pressures	e- ISSN: 2278 – 1684, P – ISSN: 2320 – 334X, Volume 12, Issue 2, (March – Apr 2015). www.iosrjournal.org	2015
4	Mr. Shaik Gulam Abul Hasan & Syeda Saniya Fatima	Design of a VRF Air conditioning System with Energy Conservation of Commercial building.	ISSN: 2277 – 9655. Impact Factor: 3.785. www.ijesrt.com (July 2015)	2015
5	Mr. Shaik Gulam Abul Hasan & Mr. Shaik Mohd Amoodi & Mr. J. Sandeep Kumar	VRF and Chiller Systems	ISSN : 2277 – 9655 (August 2015) www.ijesrt.com	2015
6	Mr. Shaik Gulam Abul Hasan & Syeda Saniya Fatima	Finite Element Analysis and Fatigue Analysis of Spur Gear under random loading (July 2015) www.ijesrt.com ISSN: 2277 – 9655	ISSN: 2277 – 9655. Impact Factor: 3.785. www.ijesrt.com (July 2015)	2015
7	Mr. Shaik Gulam Abul Hasan & Mr. Shaik Mohd Amoodi	Starring of Hydrogen as a Compression Ignition Engine fuel: a review	ISSN: 2250 – 0758 Volume 5, Issue 3, June 2015, www.ijemr.net	2015
8	Mr. Shaik Gulam Abul Hasan & Mr. Shaik Mohd Amoodi	Under Floor Air Distribution for better indoor air quality	ISSN: 2250 – 0758 Volume 5, Issue 3, June 2015, www.ijemr.net	2015
9	Mr. Shaik Gulam Abul Hasan & Mr. Shaik Mohd Amoodi	Design of II Stage Evaporative Cooling System for residential	ISSN: 2250 – 0758 Volume 5, Issue 3, June 2015, www.ijemr.net	2015
10	Dr.V.V.Satyanarayana Dr. G. MadhsudhaReddy	Evaluation of properties of dissimilar stainless steel welds by Taguchi methods	National Journal of “Indian Welding Society”,	March 2007
11	Dr. V.V.Satyanarayana Dr. G. Madhsudhan Reddy	Effect of surface roughness in the friction welding of Austenitic ferritic stainless steel dissimilar welds	National Journal of “Institution of Engineers”, Vol. 88,	April 2007
12	Dr.V. V. Satyanarayana, G. Madhusudhan Reddy and T. Mohandas	Dissimilar metal friction welding of austenitic-ferritic stainless steels	International Journal of “Materials Processing Technology”, 160, pp 128-137.	2005,
13	Dr.V. V. Satyanarayana, G. Madhusudhan Reddy and T. Mohandas	Continuous drive friction welding studies on AISI-304 austenitic stainless steel welds	International Journal of “Materials and Manufacturing Processes”, July, 2004, Vol.19, No.3, 493-497 pp	2004

14	Dr.V. V. Satyanarayana, G. Madhusudhan Reddy and T. Mohandas	Influence of welding processes on microstructure and mechanical properties of dissimilar austenitic- ferritic stainless steel welds	International Journal of “Materials and Manufacturing Processes” – February 2004	2004
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16	Dr. V.V.Satyanarayana	Hard facing repair & maintenance	International Conference on “International welding symposium” – Conducted by Indian Tube association, 19-20 February 2005	2005
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21	Dr. VV Satyanarayana, K.Kishore	Performance evaluation of Goose Neck Tools	National Conference on Advances in Manufacturing Systems, March 28-29, , Jadapur University, pp 106-111	2003
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23	Srihari,T and V.V.Satyanarayana	Study of the bead geometry in automatic gas metal arc welding	Proc. of National Seminar on Technology Management beyond, Nanded, Nov. 23-24, 1999	2000
24	Satyanarayana, V.V.	Review of experimental Techniques used for metal transfer in Arc welding process	International Welding Conf., New Delhi,	1999
25	Dr. V.V.Satyanarayana	Reduction of casting porosity in lost wax process choosing right coating materials by response surface criteria	QUEST '99, Centre for Military airworthiness & Certification, Bangalore,	1999
26	Dr.V.V.Satyanarayana & Mr. B.R. Kolluri	Effect of metallurgical processes on formility of sheet metals	National Conference on TIME-2004, at Kakatiya Institute of Technology, Warangal on 27.12.2004	2004

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28	Dr.Srihari T.V.V.Satyanarayana, Ravi Varma, Diana, Unnati, Swathi,	Factorial Techniques to Predict Weld Bead Geometry in Flux Cored Arc Welding Process	4th International Conference on Mechanical Engineering, December 26-28, , at Dhaka, Bangladesh	2001
29	Dr.Srihari V.V.Satyanarayana, Ravi Varma, Diana, Unnati, Swathi,	Factorial Techniques to Predict Weld Bead Geometry in Electron Beam Welding	National Conference on Recent Advances in Materials Processing (RAMP –), September 7-8, 2001 at Annamalai Nagar, Tamil Nadu	2001
30	D.Srinivas Rao	Effect of Nanoparticles Dispersed Biodiesel Stability for Effectively Using as Alternative Fuel Energy	➤ at International Conference on Nanomaterials and Nanotechnology,(ICNANO2011), University of Delhi, New Delhi, INDIA.), Dated:18 - 21 Dec.2011
31	D.Srinivas Rao	Effect of Nanomaterials Sizes on the Dispersion Stability of biodiesel based nanofluids	Adv. Mater. Lett. 2015, 6(3), 247-251 DOI: 10.5185/amlett.2015.5638	2015
32	D.Srinivas Rao	Effect of Nanoparticles Size and Phase on the Stability of Nanofluids	International Conference on Nanoscience and Technology, (ICONSAT2012) Dated:, Hyderabad, INDIA.	20 - 23 Jan.2012
33	D.Srinivas Rao	Investigations on γ -Al ₂ O ₃ Nanoparticles Dispersed Nanofluids	International Conference on Nanotechnology, (ICNT2013, Haldia Institute of Technology, Haldia, West Bengal, INDIA	25th – 26th Oct.2013
34	D.Srinivas Rao	Investigations on the Effect of Functionalized Materials on the Stable Nanofluids of γ -Al ₂ O ₃ , CuO and CNT Nanomaterials Dispersed Biodiesel	at International Union of Materials Research Society, International Conference in Asia-2013(IUMRS ICA-2013), Indian Institute of Science, Bangalore, INDIA.	6th-20th Dec.2013 ,
35	D.Srinivas Rao	Nanomaterials and Their Size effects on Ignition Probability of Biodiesel based Nanofluids	International Conference on Nanoscience and Engineering Applications, (ICONSEA-2014) JNTUH Hyderabad, INDIA.	26 - 28 Jun.2014
36	D.Srinivas Rao	National Conference on “New Materials & Processes For Improving Quality Of Infrastructure(NEMP IQI 2012	University of Hyderabad, Hyderabad,	Oct-19-20, 2012

Electronics and Communication Engineering				
S.No	Name of the Faculty	Title of the Paper	Name of the Journal	Year of Publication
1	Dr. M.V.Krishna Rao	Spectral Characterization of Indian Tanpura	Spinger Journal of Signal Processing Systems (JSSP) volume: 81,	2015
2	Dr. M.V.Krishna Rao	Automatic Estimation of Singer's Sruti in Indian Classical Music	Elsevier Journal of Computers & Electrical Engineering (CEE) Volume: 41, ISSN: 0045-7906 <i>Referred</i>	2015
3	Dr. M.V.Krishna Rao	Acoustic Characterization of Indian Musical Swaras	Spinger Journal of Circuits, Systems, and Signal Processing (CSSP) Volume: 34, ISSN: 0278-081X (print) ISSN: 1531-5878 (electro) <i>Referred</i>	2015
4	Dr. M.V.Krishna Rao	Spectral Kurtosis Theory-A Review through Simulations	Global Journal of Researches in Engineering, GJRE (F), Volume 15 Issue VII ISSN: 0975-5861 <i>Double Blind Peer Reviewed</i>	2015
5	Dr. M.V.Krishna Rao	A Novel Classifier for Digital Angle Modulated Signals	Global Journal of Computer Science & Technology GJCST(H) Volume 15 Issue II Online ISSN: 0975-4172 Print ISSN: 0975-4350 <i>Double Blind Peer Reviewed</i> pp.7-17 (11 pages)	2014
6	Dr. M.V.Krishna Rao	Investigation of Window Effects and the Accurate Estimation of Spectral Centroid	Global Journal of Researchers in Engineering, GJRE (J), Volume 15 Issue IV ISSN: 0975-5861 <i>Double Blind Peer Reviewed</i> pp. 31-41	2014
7	Dr. M.V.Krishna Rao	Machine analysis and synthesis of spoken Telugu vowels	Third International Conference on Computational Intelligence and Information Technology, CIIT-2013, 18-19 Oct. 2013, Published by IET. DOI:10.1049/cp.2013.2577 INSPEC Acc.No: 14542316 @IEEEexplore	2013
8	M.Rajendra Prasad	"Project Based Teaching Methodology for Embedded Engineering Education"	JEET, ISSN: 2349-2473. [Pg: 52-57]	2015
9	K L Lokesh	Application of Data Hiding in Audio Image Using Anti Forensics For Authentication and Data Security	IJEET ISSN:2049-1069 [Pg:1411]	2014
10	Prof.Jakeer Hussain	A neural network model for predicting epileptic seizures based on fourier-based functions	IJSIP ISSN:2005-4254 [Pg:300-308]	2014

11	Prof.Jakeer Hussain	An artificial neural network model for classification of epileptic seizures using Huang Hilbert transform	IJSC-2014 [Pg:23-33]	2014
12	M.Rajendra Prasad	Design and Analysis of Boot Loader for Embedded Telecom Applications-IPBTS	ICAETR-2014 [Pg: 71-78]	2014
13	M.Rajendra Prasad	Design and Analysis of Boot Loader for Embedded Telecom Applications-IPBTS	ICAETR-2014 [Pg: 71-78]	2014
14	M.Renuka	Design of digital finite impulse response filter using different low power multiplier	IJESRT ISSN:2277-9645 [Pg: 632-646]	2014
15	M.Sri Lakshmi	Selective intercept with eavesdrop for cooperative opportunistic communication in mobile Ad-Hoc routing	IJSRM-14 ISSN:2321-3418 [Pg: 487-490]	2014
16	M.Rajendra Prasad	ARM-7 based fingerprint authentication system	IJAIE ISSN:2319-4847 [Pg: 149-154]	2013
17	V.Sridhar	Audio compression using Munich and Cambridge filters for audio coding with Morlet wavelet	Global Journal of Computer Science and Technology ISSN:0957-4172 [Pg:25-31]	2013
18	V.Sridhar	Automatic vehicle RC book & driving license verification system using RFID	IJMIE ISSN:2249-0558 [Pg:523-536]	2013
19	K. Tarangini	Design and development of AXI based multi channel interrupt controller 2	IJMRA (APRIL-2013) ISSN:2249-0558 [Pg: 108-125]	2013
20	M.lalitha soumya	Lowpower/low voltage cross (coupled sram-based on Schmitt trigger)	IOSR-JVSP ISSN:2319-4197 [Pg: 30-34]	2013
21	G.Ravi Kishore	Web based audio/video playback system through text based sms using GSM and S3C2440	ICACSE ISSN: [Pg: 388-391]	2013
22	G.Ravi Kishore	Wireless network based mines safety system using ARM9	ICACSE ISSN:2278-3091 [Pg: 430-432]	2013
23	Sunitha Rani	Bone – Age Assessment using Wavelet Transform	INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMPUTER SCIENCE AND ELECTRONICS ENGINEERING (IJARCSSE) ISSN:2217-128X [Pg: 179-183]	2012
24	S. Santhi Priya	Design and Implementation of APB Bridge based on AXI	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECH Nov – 2012 ISSN:2278-0181 [Pg: 1-4]	2012

25	E. Kalpana	Flying Object Travel Location Data Logger 2GB MMC/ST Memory Card Using GPS for Aeronautical Applications	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES AND MANAGEMENT” (ISSN: 2231-3273) Dec – 2012 ISSN:2320-0294 [Pg: 23-41]	2012
26	M.Rajendra Prasad	Research Method to Optimize Logger for a Telecom Application Running on Embedded System	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT (IJERD) ISSN:2278-067X [Pg: 1-9]	2012
27	T. Naga Laxmi	Design and Implementation Optimal Pulse Shaping Filters for Digital Radio Systems	INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMPUTER ENGINEERING & TECHNOLOGY (IJARCET) ISSN:2378-1323 [Pg: 18-23]	2012
28	V.Sridhar	BER and simulation of OFDM modulator and demodulator wireless broadband wireless broadband applications	INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMPUTER ENGINEERING & TECHNOLOGY (IJARCET) ISSN:0975-4350 [Pg:201-209]	2012
29	T. Naga Laxmi	Implementation of Matched Filter Based DSSS Digital GPS Receiver	INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMPUTER ENGINEERING & TECHNOLOGY (IJARCET) ISSN:2278-1323 [Pg: 8-17]	2012
30	T. Naga Laxmi	Maximum Power Point Solar Tracking using LDR and ZIGBEE Module	INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMPUTER SCIENCE AND ELECTRONICS ENGINEERING (IJARCSEE) ISSN:2277-9043 [Pg: 123-130]	2012
31	M.J. Sucharitha	Blind Digital Video Water Marking Technique for Video Authentication by using DWT	INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMPUTER SCIENCE AND ELECTRONICS ENGINEERING (IJARCSEE) ISSN:2277-9043 [Pg: 21-34]	2012
32	M.Lalitha soumya	Design of custom instrums in cryptography processor	IJERA ISSN:2248-9622 [Pg: 1718-1723]	2012
33	G.Ravi kishore	Design and development of prepaid energy meter with serial data transmission	IJRTET [Pg: 9-12]	2010

Electrical and Electronics Engineering

S.No	Name of the Faculty	Title of the Paper	Name of the Journal	Year of Publication
1	A.R.M.Vani	A Hybrid Neuro Genetic Approach for Analyzing Dissolved Gases in Power Transformers	IJAREEIEISS N:2320-3765 Volume-3, Issue-11 Pp:13101-13107	2014
2	A.R.M.Vani	An Adaptive Neuro Fuzzy Inference System for Fault Detection in Transformers by Analyzing	IOSR-JEEEISSN 2229-5518	2014
3	A.R.M.Vani	An automated tool for analyzing dissolved Gases in power transformers and SF ₆ in switch gears using artificial intelligence approaches	IJSER Issn 2229-5518 Volume 5, Issue 1 Pp:1182-1193	2014
4	K.Satish Kumar	High Step up DC-DC converter for Grid Connected or Standalone PV applications	IJEEE ISSN: 2319-8885 Volume-4, Issue-3, 2014 Pp:288	2014
5	K.Satish Kumar	A new PV based compact power electronic converter for Integration of Electric Vehicle and Grid	IJEEE ISSN: 2319-8885 Volume-4, Issue-3, 2014 Pp:186	2014
6	K.Satish Kumar	Integrated ultra capacitor and renewable energy source fed bi directional converter for induction motor applications	IJCSSIETI SSN 2277-4408 01082014-018	2014
7	D.Srinivas	Comparison of quasi Z-source and Trans Z-source inverter for PV applications applied to induction motor	IJEEE ISSN: 2319-8885 Volume-4, Issue-1, 2014 Pp:165	2014
8	D.Srinivas	Fuzzy Logic Controlled DSTATCOM with Reduced DC-Link Voltage for Power Quality Improvement	IJEEE ISSN: 2319-8885 Volume-4, Issue-3, 2014 Pp:205	2014
9	T. Parameshwar	Improved Trans Z-Source Inverter with Continuous Input Current and Boost Inversion Capability for Renewable Energy Resources	IJEEE ISSN 2348-2370 Vol.06, Issue.06, September-2014, Pp:465-	2014
10	T.Parameshwar,	A New Photovoltaic Based Three Phase Multilevel Inverter Fed Induction Motor Drive	IJEEE ISSN: 2319-8885, Volume-4, Issue-3, 2014 Pp:223	2014
11	B.Jyothsna,	Grid Power Quality Improvement in Wind Energy Systems using 3 leg and 4 leg converter	IJEEE ISSN: 2319-8885 Volume-4, Issue-3, 2014 Pp:219	2014
12	Prof.S.M.Zafarullah	Design and Simulation of STATCOM for Grid Connected Wind energy Systems at Different Loading Conditions	ICIEEE ISBN :978-93-82163-55-8126 Pp:126-130	2014
13	Prof.S.M.Zafarullah	Design and simulation of grid connected PV System using MPPT	ICIEEE ISBN:978-93-82163-558 Pp:199-203	2014
14	Prof. S.M.Zafarullah	Effective Teaching Methodologies in Electrical	ICTIEE-2015 Pp	2014

15	M Vijaykumar	A Novel three phase PV/wind based multilevel inverter for grid connected system	ICIEE ISBN :978-93-82163-55-8 Pp:208-212	2014
16	P.Nageswara Rao,	PQ Theory and Id-Iq theory controlled STATCOM for grid Connected wind driven Induction Generator for Power	IJEEE ISSN: 2319-8885 Volume-4, Issue-3, 2014 Pp:260	2014
17	J Nageswararao	High Step-Up Interleaved Converter for Grid Connected Solar Applications	IJEEE ISSN: 2319-8885 Volume-4, Issue-3, 2014 Pp:239	2014
18	SHB Ireenakarumuri	PV Based High Frequency Cascaded Multilevel Inverter for Irrigation Application	IJEEE ISSN: 2319-8885, Volume-4, Issue 3, 2014 Pp:201	2014
19	A.Rajeshwar	Design and simulation of PV cell for high efficiency DC-DC converter	IJEEE ISSN: 2319-8885 Volume-4, Issue-2, 2014 Pp:19-	2014
20	J Nageswararao	Dual mode converter for PV fed EV/HEV Applications	IJEEE ISSN: 2319-8885 Volume-4, Issue-3, 2014 Pp:210	2014
21	T.Parameshwar,	A modified inverter with Reduced number of Switches for reduction of Torque ripple and harmonics in BLDC Drive application	ICIEE ISBN:978-93-82163—55-8, Pp:346-349	2014
22	T. Parameshwar	Improved Trans Z-Source Inverter with Continuous Input Current and Boost Inversion Capability for Renewable Energy Resources	IJEEE ISSN 2348—2370 Vol.06, Issue.06, September-2014	2014
23	T.Parameshwar	A New Photovoltaic Based Three Phase Multilevel Inverter Fed Induction Motor Drive	IJEEE ISSN: 2319-8885, Volume-4, Issue-3, Pp:223-	2014
24	P. Nageswara Rao	Fuzzy logic based DC voltage controller method for STATCOM based on asymmetrical multilevel Inverter	IJEEE ISSN: 2319-8885 Volume-4, Issue-3, 2014 Pp:224	2014
25	T.Parameshwar	Modelling and simulation of linear controller of stat com for induction motor	ICIEE ISBN: 978-93-82163-55-8	2014
26	Prof . S.M.Zafarullah	Design and simulation of shunt active power filter for power quality improvement at industrial load	ICIEE ISBN :978-93-82163-55-8126 Pp:213-218	2014
27	V. Sudhakar	Integrated ultra capacitor and renewable energy source fed bi directional converter for induction motor applications	IJCSSEITI ISSN 2277-4408 01082014-018	2014
28	N.L.V.Prasada Rao	Effective Teaching Methodologies in Electrical Engineering	ICTIEE-2015 Pp :66	2014

29	SChaitanya	A Novel three phase PV/wind basedmultilevel inverter for grid connectedsystem	ICIEEISBN :978-93-82163-55-8 Pp:208-212	2014
30	Msoujanya	Dual mode converter for PV fedEV/HEVApplications	IJEEE ISSN: 2319-8885Volume-4, Issue-3,2014Pp:210	2014
31	P.NageshwaraRao	Improved Trans Z-Source InverterwithContinuous Input Current andBoostInversion Capability for RenewableEnergyResources	IJEEE ISSN2348–2370Vol.06, Issue.06,Septem ber-2014 Pp:465-	2014
32	HussainShaik	Hybrid Renewable Energy SourcesBasedFour leg Inverter for PowerQualityImprovement	ICIE EEIS BN: 978-93-82163—55-8	2013
33	HussainShaik	Speed estimation error ofsensorlessinduction Motor drives	ICAEM RITSICA EMPp:13-	2013

Computer Science and Engineering				
S.No	Name of the Faculty	Title of the Paper	Name of the Journal	Year of Publication
1	V.Venkata Krishna	The high quality of data mining in data ware house information processing infra structure	(MSJIM) Vol: 1, Issue-1, ISSN: 2319-8885	Mar-2015
2	V.Venkata Krishna	Super Resolution Image Generation Using Wavelet Domain Inter Polation with Edge Extraction Via A Sparse Representation	(IJISSET Issue 8, Vol. 2 ISSN 2348-	JULY 2015
3	V.Venkata Krishna	Single Image Super-Resolution Using Dictionary-Based Local Regression (ajscs)	Issue 4, Vol. 1 ISSN 2319 – 7277 REF NO. AISCSS/15/A/)	24 JUNE 2015
4	V.Venkata Krishna	The future configuration version protocols of global and private ip-ipv6 security features	ISSN 2349-Vol: 2, Issue-4, (IJDSM5107	Dec-2014
5	M. Ravi	An Approach on Efficient Paging Scheme and Mobility Management For Interworked Fixed And Mobile Networks	IJMIE, ISSN:2249-0558 Vol:4,	Dec,2014
6	M. Ravi	Multiple Heterogeneous Intruder Detection System Using Wireless Sensor Networks	IJESM, ISSN:2320-0294 Vol:3,	Dec,2014
7	M. Ravi	Distributed Load Rebalancing by using Cloud Computing	IJDCST , ISSN-2320-7884 V-2, I-7, SW-09	Oct, 2014
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2	Dr.Archanaa Dongre	“State-of-the-art Literature Review on Numerical Modeling of Nonlinear Behaviour in Brick Masonry Buildings Subjected to	(Accepted for International Journal of Earth Science and Engineering)	Accepted
3	Dr.Archanaa Dongre	“Inelastic Response of RC Moment Resisting Frames with URMIInfills”	Proc. 15 th World Conference on Earthquake engineering (15WCEE), Lisbon, Portugal 2012, Paper ID:	2012
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6	Pankaj Narang and Dr.Archanaa Dongre	Earthquake resistant design of a building and effect of transverse reinforcement spacing on ductility	International Journal of Civil Engineering and Applications (IJCEA), ISSN 2249-426X	Published June 2013
7	Dr.Archanaa Dongre	“Transformation in Engineering Education with transforming mind”	International Conference on Transformation in Engineering Education 2015, BMS College of Engineering, Bangalore	Jan 2015
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9	Sairam Neridu, Venkata Dilip Kumar Pasupueli, Dr. Archanaa	“Change in Behavior of Existing Structure Due to Installation of Billboard”,	Structural Engineering World Congress 2015, Singapore, paper #1570136401	Accepted, 19-22 October,2015
10	Dr.Archanaa Dongre	“Effect of opening on overall behavior of brick masonry building”	Abstract sent for 16th World Conference on Earthquake Engineering-	Jan 2017 at San Diego
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12	Govardhan Pollepally, Venkata Dilip Kumar Pasupueli, Dr. Archanaa Dongre	“Seismic analysis of Vidyasagar Setu cable stayed bridge”	Abstract sent for 16th World Conference on Earthquake Engineering-	Jan 2017 at San Diego
13	Jyotirmoy Haloi, Dr. Archanaa Dongre	“Seismic Site Characterization of certain important Sites in the vicinity of Hyderabad City, India”	Abstract sent for 16th World Conference on Earthquake Engineering-	Jan 2017 at San Diego San Diego
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19	Bhargavi Sattar	Seismic Behaviour of Fixed and Flexible RC Frame: A Case Study”	Published in Advances in Civil Engineering and Infrastructure Development (ACEID 2014) at VASAVI College, Hyderabad.	2014

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25	JHU Prasad	“Soil Applications and resource developments”	IAALD Agricultural conference, New York,	2013

Humanities & Sciences (Mathematics)				
S.No	Name of Faculty Qualification & Designation	Details of Research Publications/IPR	Name of the Journal	Year of Publishing/ Register
1	M.N.L.Anuradha	Stock market forecasting using Hybrid machine learning system – Business competitiveness- perspectives,	Allied publishers Pvt Ltd – ISBN – 978-811-8424-974-3	2015
2	M.N.L.Anuradha	A Study on impact of Big Data analytics to Indian E Commerce Applications -	International Journal of Advanced Engineering Management and science. – Vol 1,	2015
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23	Dr. P. Venugopal	Elastic & anelastic behavior	Recent Res. Devel. Mat. Sci., 9 (2012) 203	2012
24	Dr. P. Venugopal	Preparation and properties of $\text{Zn}_{0.9}\text{Ni}_{0.1}\text{O}$ diluted	J. Nanoparticle Research 13 (2011) 817- 837	2011
25	Dr. P. Venugopal	Structural, optical and magnetic properties of room-temperature	Nanoscale - 3 (2011) 642-653	2011
26	Dr. P. Venugopal	Suppression of charge ordering phenomenon in nanocrystalline	Physics Letters – A 375 (2011) 1543-1547	2011
27	Dr. P. Venugopal	Elastic anomalies of $\text{La}_{0.67}\text{Sr}_{0.33-x}\text{Ba}_x\text{MnO}_3$	Physica – B 406 (2011) 3568- 3575	2011
28	Dr. P. Venugopal	Specific heat and magnetization	Physica script 83 (2011) 45701	2011
29	Dr. P. Venugopal	The influence of nanometric size on various properties of	Int. J. Nano Science 10 (2011) 949- 954	2011
30	Dr. P. Venugopal	Synthesis & Characterization of Microwave	Curr. Appl. Phys. 10 (2010) 31-35	2010
31	Dr. P. Venugopal Reddy	Low temperature resistivity minimum and its correlation with	J. Mag. Mag. Mat 322 (2010) 417-423	2010
32	Dr. P. Venugopal Reddy	Low temperature resistivity anomalies in Bi-	J. Alloys & Compounds 494 (2010) 476-482	2010

33	Dr. P. Venugopal Reddy	Structural, electrical, magnetic, elastic and	Solid State Commu. 150 (2010) 928-931	2010
34	Dr. P. Venugopal Reddy	Influence of silver doping on the electrical and magnetic behavior of La _{0.7} Ca _{0.3} MnO ₃ manganites	Solid State Sciences 12, (2010) 1731	2010
35	Dr. P. Venugopal Reddy	The influence of nanometric size on various properties of	NSTI-Nanotech (2010) ISBN 978-1-4398- 3401-5,	2010
36	Dr. P. Venugopal Reddy	Low temperature resistivity anomalies & magnetic	Physica Scripta 82 (2010) 045704	2010
37	Dr. P. Venugopal	Ultrasonic velocity studies in the vicinity of TC of Bismuth	J.Phys: Cond. Matt. 21 (2009) 056003	2009
38	Dr. P. Venugopal	Influence of sintering temp. & Oxygen Stoichiometry on	J. Alloys & Compds 470 (2009) 67-74	2009
39	Dr. P. Venugopal	Structural, Optical and Magnetic properties of nano crystalline	Mat. Chem. & Phy 113 (2009) 749 -755	2009
40	Dr. P. Venugopal	Structural, Optical and Magnetic properties of nanocrystalline Co	J. Phys. Chem. C 113 (2009) 3543-3552	2009
41	Dr. P. Venugopal	Variation of thermoelectric power with	Phase Transitions 82 (2009) 156	2009
42	Dr. P. Venugopal	Electrical behavior of silver doped lanthanum	J. Mag. Mag. Mat 321 (2009) 1240	2009
43	Dr. P. Venugopal	Electrical and magnetic transport behavior of Nano	J. Alloys & Comp. 429 (2009) 661-669	2009
44	Dr. P. Venugopal	Influence of the grain's morphology and their distribution	NSTI-Nanotech 2009, ISBN 978-1-4398-1782-7-	2009
45	Dr. P. Venugopal	Magnetic behavior of Nd – based CMR materials	J. Solid State Sciences 11 (2009) 1312-1318	2009
46	Dr. P. Venugopal	Elastic behavior of strontium doped LCMO in	J. Phys. & Chem. of Solids 70 (2009) 960-966	2009
47	Dr. P. Venugopal	Magnetoelectrical behavior of sodium doped	J. Appl. Phys. 106 (2009) 023707	2009
48	Dr. P. Venugopal Reddy	Magnon drag contribution to thermopower of Nd _{0.67} Sr _{0.33} MnO ₃	J. Appl. Phys 106 (2009) 033706	2009
1	M.Esakkimuthu Raju,	Low Cost Fiber Optic Sensing of Sugar	SPIE, 9317-20, Vol .1(P1-5)	2015
2	M.Esakkimuthu Raju,	Theoretical Investigations of Ni and Cu doped rutile TiO ₂	SPIE, 9364-56, Bol 1 (P 1-6)	2015
3	E M.Esakkimuthu Raju,	Outcome Based Learning of Optics in Schools	SPIE, Vol 9188, 91880R -1	2014
4	M.Esakkimuthu Raju,	Study of Surface roughness of corroded metals using plastic optical fiber sensor.	SPIE , 9205 920509-1	2014
5	Mr N.Pavan Kumar	Investigation of Magnetocaloric Effect in	Elsevier, 132 ,(2014), 82-85	2014
6	Mr N.Pavan Kumar	Investigation of Magnetocaloric Behavior of Sr-Doped EuMnO ₃	Springer, DOI 10.1007/s 10948- 014-2580-6	2014
7	Mr N.Pavan Kumar	Structural, Magnetic, thermodynamics and Transport Properties of A-site disordered	J.Thermal Anl Calorim, DOI10.1007/s 10973-014-39060	

8	Mr N.Pavan Kumar	Investigation of Magnetocaloric Behavior of Nanocrystalline	J.Supercond Nov Magn, DOI 10.1007/s 10948-014-2543-y	
9	Mr N.Pavan Kumar	Thermopower studies of rare earth doped lanthanum	Elsevier, 362(2014), 20-26.	2014
10	Mr N.Pavan Kumar	Thermal, Magnetic and Electric properties of RMn ₂ 5 based Multiferroics	Multiferr, Matter, 2014, 1(1):1-8	2014
11	Dr.K.Srinivas	Synthesis, Structural and Magnetic Properties of Nanocrystalline Ti _{0.95} Co _{0.05} O ₂ - Diluted Magnetic Semiconductors	J Supercond Nov Magn. ISSN: 1557-1947 DOI. 10.1007/s 10948-014-2615-z. 30 June (2014)	2014
12	Mr R Mahesh	Electronic Structure and Structural Phase Stability of BaFe ₂ As ₂ compound under pressure.	International Journal of Scientific & Engineering Research, (IJSER) ISSN 2229-5518, Vol 5, Issue 3 March 2014 (pages-198-203)	2014
13	Mr R Mahesh	Electronic Structure and Structural Phase Stability of EuCo ₂ As ₂ compound under pressure	International Journal of Scientific & Engineering Research, (IJSER) ISSN 2229-5518, Volume 5, Issue 3 March 2014 (pages-198-203)	2014
14	Mr S Srinivasa Rao	Synthesis of symmetrically / unsymmetrically substituted bisbenzimidazolesulphides of potential pharmacological	Indian Journal of Chemistry Sec- B (In Press). ISSN : 2230 – 9632(Online), Vol.4 (3), 2014,433-440	2014
15	Mr S Srinivasa Rao	A Green Synthesis of Benzimidazolyl-β-ketosulphides in Aqueous Medium and Their Alkylation	Journal of Green Science and Technology, American Scientific Publishers, 1(2), 2014, 1-3.	2014
16	Mr S Srinivasa Rao	Synthesis of N-alkyl-2-thiomethyl benzimidazoles: A Green approach	Organic Chemistry International, Hindwai Publishers, 2014 (2014)	2014
17	Mr S Srinivasa Rao	Synthesis of N,N1-disubstitutedbisbenzimidazoles of potential pharmacological interest	Journal of Chemical and Pharmaceutical Research, 6(3), 2014, 1100-1204	2014
18	Mr S Srinivasa Rao	A green approach for the synthesis of 1-methyl-2-(alkylthio)-1H- benzimidazoles	Asian Journal of Chemistry, 26 (18), 2014, 5995-5997.	2014
19	Mr S Srinivasa Rao	An Environmentally Benign Synthesis of α-benzylthiobenzimidazoleacetonitrile s Using	Journal of Green Science and Technology, American Scientific Publishers. 2(2), 2014, 1-3.	2014
20	Mr S Srinivasa Rao	A facile and eco-friendly Synthesis of 1-methyl-2-((alkylthio)methyl)- 1H-	Heterocyclic Letters, Raman Publications, 4 (2), 2014.	2014
21	Mr S Srinivasa Rao	An Ultrasound mediated Green synthesis of benzimidazolyl thiounsaturatednitriles using water as a green solvent	Organic Chemistry International, Hindwai Publishers, 2014 (2014).	2014
22	Mr S Srinivasa Rao	Synthesis of Symmetrical/Unsymmetrical-1- Alkyl-2-(((1-(1-Alkyl-1H- Benzimidazol-2- yl) Ethyl)Thio)Methyl)- 1H-Benzimidazole of Potential Pharmacological Interest	Heterocyclic Letters, Raman Publications, 4(3), 433, 2014.	2014

23	Mr S Srinivasa Rao	One-Pot Green syntheses of benzimidazolylacrylonitrile	Published in Conference Proceedings in NDCT-2014 held in JNTU Hyderabad).	2014
24	Ms K Sarita,	Zn(OAC), 2H ₂ O – Catalyzed One – Pot Efficient Synthesis of α - Amino Nitrites	Asian Journal of Chemistry, Vol : 26 No : 21 (2014) .	2014
25	Mr N.Pavan Kumar	Schottky-Like Anomaly In the Low- Temperature Specific Heat of Polycrystalline Y _{0.3} Gd _{0.2} Sr _{0.5} MnO ₃	Materials Physics and Mechanics 18 (2013), 35-41.	2013
26	Mr N.Pavan Kumar	Thermopower Studies of Polycrystalline Ag Doped LaMnO ₃ Manganites.	J.Supercond Nov Magn,(2013), 26-2975-2980 DOI 10.1007/s10048-013-2123-6	2013
27	Mr R Mahesh	Electronic structure, magnetic ordering and phase stability of LiFeX (X= P, As and Sb) under pressure	Modern Physics Letters B , ISBN- NO -1793-6640, Vol. 27, No. 32 (2013) 1350236 (14 pages)	2013
28	Mr S Srinivasa Rao	A facile and green synthesis of N- substituted-2-chlorobenzimidazoles	Der Pharma Chemica, 5, 2013, 69,ISSN : 0975 – 415X	2013
29	Mr S Srinivasa Rao	Synthesis of N, N1-bisbenzimidazolesulphides as potential pharmacological	Indian Journal of Heterocyclic Chemistry, 22, 2013, 243.	2013
30	Mr S Srinivasa Rao	A facile and Green Synthesis of N- substituted-2-mercapto benzimidazoles	Indian Journal of Chemistry, 52B, 2013, 1210-1213.	2013
31	Mr N.Pavan Kumar	Specific Heat and Magnetization studies of RMnO ₃ Multiferroics.	JOP Publishing Physics Spectra, 8, march, 2011, 83 (2011)	2011
Department of CHEMISTRY				
1	Dr.K.Srinivas	The influence of nanometric size on various properties of Nanocrystalline Zn _{0.9} Ni _{0.1} O Diluted Magnetic	International Journal of Nanoscience , ISSN: 1533-4880 Vol.10, Nos 4&5 (2011) 949-954	2011
2	Dr.K.Srinivas	Preparation and properties of Zn _{0.9} Ni _{0.1} O Diluted Magnetic Semiconductor Nanoparticles.	J.Nanopart Res. ISSN: 1388- 0764 (2011) 13.817-837. DOI 10.1007/s 11051-010-0001-0	2011
3	Dr.K.Srinivas	Structural, electronic and magnetic properties of Sn _{0.95} Ni _{0.05} O ₂ nanorods.	Nanoscale , ISSN 2040-3364, 2011, 3, 642-653	2011
4	Dr.K.Srinivas	Structural, Optical and Magnetic properties of Nanocrystalline Co based SnO based Diluted Magnetic	J.Phys. Chem C. ISSN 1932-7447, 2009, 113, 3542-3552.	2009
5	Dr.K.Srinivas	Structural, Optical and Magnetic properties of Nanocrystalline Zn _{0.9} Co _{0.1} O based Diluted Magnetic Semiconductors	Materials Chemistry and physics , ISSN: 0254-0584, 113 (2009) 749-755.	2009
6	Mr. S Srinivasa Rao	Synthesis of N-alkylated-2-(1,3-diphenyl-1H-pyrazol-4-ylsulfanyl)- 1H-benzimidazoles by Vilsmeier- Haack reaction and by condensation with DMF	Indian Journal of Chemistry Sec- B (In Press).	Accepted

7	Mr S Srinivasa Rao	Synthesis of α – Benzylthiobenzimidazoleactonitriles and their Chemo selective Reduction of the Double Bond with NaBH ₄ .	Journal of Hetrocyclic Chemistry, Wiley Publications (In Press)	Accepted
8	Mr S Srinivasa Rao	Utility of nitrogen nucleophiles: A simple route for the synthesis of 2- substitutedbenzimidazolyl Pyrimidines	Phosphorous, Sulphur, Silicon and Related Elements, Taylor and Francis (In Press)	Accepted
9	Mr S Srinivasa Rao	Synthesis of 1-alkyl-2-chloromethylbenzimidazole under Green Conditions	Asian Journal of Chemistry (In Press).	Accepted
10	Mr S Srinivasa Rao	Highly efficient tandem syntheses of unsymmetrically substituted isomeric S,N-disubstituted-2-	Indian Journal of Chemistry Sec- B (In Press).	Accepted

Department of English				
1	D.Indira Priyadarshini	Developiing Writing Skills in the context of Teaching English as Second Language for	OIJR ISSN 2249-9598 July 31	2015
2	Dr. M. Pratibha	‘Technical students’ perceptions on the prescribed language textbook-Skills Annexe: Functional	THE FRONTIERS OF ENGLISH LITERATURE,	2015
3	R. Padma	Manjula padmanabhan’s lights out: A clarion call	International conference, Vignan University journal	2015
4	R. Padma	Feminisic approach of Manjula padmanabhan with respect to lights out and harvest	National conference, Acharya Nagarjuna University Journal	2015
5	Dr.Sareen Raj,	Multiculturalism in American Literature	ISBN NO 9789883038145,2014	2014
6	R. Padma	Exploitive relations in Manjula Padmanabhan’s harvest	National conference, Vikram simhapuri, University Journal	2014
7	Dr. K. Sareen Raj	A Tale of Life and Death: Philip Roth’s <i>Nemesis</i>	Literary Oracle	2014
8	Dr. M. Pratibha	‘Computer as a language learning aid for distance language learners and teachers: A study’	IJELLS, January 2014, Vol. 2, No.4, pp. 100-106, ISSN 2278-0742.	2014
9	Dr. M. Pratibha	‘Communication perception and computers: Pedagogical implications’	the frontiers of english literature, january 2014, Vol. 2, No.1, ISSN	2014
10	Dr.Sareen Raj,	New Orientations in ELT	Vol-2,ISSN 2321-6549, 2013	2013
11	Dr. M. Pratibha	‘The impact of New Technological Developments on Distance English Language Teachers and Learners’	ideas & ideologies e-journal, September 2013, Vol. 1, No. 3, ISSN 2220-7744	2013
12	Dr. M. Pratibha	‘Criteria for the accessibility, availability and affordability of CALL for English at Dr. BRAOU’	COMOSA, Jan-June 2013, Vol. 4, No.1, pp. 77-91, ISSN 0946-0407.	2013
13	Dr. M. Pratibha	‘Factors Contributing to Support / Prevent the Preparedness of Learners and Counsellors to Use CALL for English at Dr. BRAOU’	THE FRONTIERS OF ENGLISH LITERATURE, , Vol. 1, No.2, ISSN 2320-2505.	2013
14	Dr. M. Pratibha	‘Possible CALL Material for Distance Language Learners of English at Dr. BRAOU’	COMOSA, Jan-June 2012, Vol. 3, No.1, pp. 17-29, ISSN 0946-0407.	2012
15	Dr. M. Pratibha	‘My first experiences in Germany’	SIETAR EUROPA - March, 2011, Vol. 1, No.8, pp. 13-14. www.sietar-europa.org	2011

STUDENT PUBLICATIONS

S.No	Paper details
1	<p>Pest damage assessment in fruits and vegetables using thermal imaging (Conference Proceedings) Authors: Badrinath Vadakkapattu Canthadai, M. Esakki Muthuraju, Vengalrao Pachava, et al.</p> <p><i>Proc. SPIE</i> 9488, Sensing for Agriculture and Food Quality and Safety VII, 94880P (May 13, 2015); doi:10.1117/12.2193713.</p>
2	<p>Low cost fiber optic sensing of sugar solution (Conference Proceedings) Authors: M. Muthuraju, Anurag Reddy Patlolla, Badrinath Vadakkapattu Canthadai, et al.</p> <p>Proc. SPIE 9317, Optical Fibers and Sensors for Medical Diagnostics and Treatment Applications XV, 93170L (5 March 2015); doi: 10.1117/12.2176390</p>
3	<p>Measurement of Polarisability of Liquid using Fiber Optic Refractive Index Sensor</p> <p>Raju M Esakki Muthu, Ashwin Kumar Kuchibhotla, Kumar Ravi, Badrinath Vadakkapattu Canthadai, and Vengalrao Pachava, Frontiers in Optics 2015, OSA Technical Digest (online) (Optical Society of America, 2015), paper JW2A.41, doi:10.1364/FIO.2015.JW2A.41</p>
4	<p>Outcome based learning of optics in schools (Conference Proceedings) Authors: M. Esakkimuthu Raju, Badrinath Vadakkapattu Canthadai, Kumar Ravi</p> <p>Proc. SPIE 9188, Optics Education and Outreach III, 91880R (15 September 2014); doi: 10.1117/12.2061998</p>
5	<p>Study of surface roughness of corroded metals using plastic optical fiber sensor (Conference Proceedings) Authors: M. Esakkimuthu Raju, Badrinath Vadakkapattu Canthadai, Kumar Ravi, et al.</p> <p>Proc. SPIE 9205, Reflection, Scattering, and Diffraction from Surfaces IV, 920509 (5 September 2014); doi: 10.1117/12.2061974</p>
6	<p>Intensity insensitive one-dimensional optical fiber tilt sensor (Conference Proceedings) Authors: Badrinath Vadakkapattu Canthadai, Dipankar Sengupta, Vengalrao Pachava, et al. Published: 18 Jun 2014</p> <p>Proc. SPIE 9098, Fiber Optic Sensors and Applications XI, 909811 (18 June 2014); doi: 10.1117/12.2050821</p>

Monographs Chapter in Books Edited:

S.No	Name of the	Title of the Book	Name of the publisher
1	Dr Dr.P.Venu Gopal Reddy	Elastic behavior of some HTSC materials	Nova Publishers, New York, USA (1996)
		Advances in Ultrasonics	Proceedings of 10 th national symposium on Ultrasonics, March 15 & 16, 2001
		Sintering methods and products.	Intech Publishers, Croatia. (2012)
		Recent Res. Devel. Mat. Sci.,	Recent Res. Devel. Mat. Sci., 9(2012) pp 203-229, ISBN: 978-81-308-0466-8.
2	Dr. M. Venkata Krishna	A text Book of Engineering Mathematics	Galgotia Publications Pvt. Ltd. - 2011 ISBN 978-81-7515-646-3 New Delhi
		Probability and Statistics	BS Publications Hyderabad 2010 ISBN: 978-81-7800-240-8
		A Text Book of B.Sc. Mathematics Vol. I	Scitech Publications (India) Pvt. Ltd 2011, 978 81 8371 3320
3	Dr. D. Raju	Numerical Methods	Siri publications & distributor Pvt, Ltd ISBN 978-81-9210-348-8.
		Text Book of B.Sc. Mathematics, Vol. II	Sci Tech publications India Pvt. Ltd. ISBN 978-81-8371-539- 3
		Text Book of B.Sc. Mathematics. Vol. III (Publishing Mode)	Science Tech publications India Pvt. Ltd
		Engineering Mathematics- III (Publishing Mode)	Siri publications & distributor Pvt, Ltd
		Differential Calculus (Publishing Mode)	Siri publications & distributor Pvt, Ltd

3.4.4 Provide details (if any) of

Research awards received by the faculty

- Dr. P. Rajeshwar Reddy, Secretary & Correspondent has received Young scientist award.
- Dr. V. Venkat Krishna, Professor & HOD CSE has received best Research award.
- Dr. B. V. Reddi, Prof. Mech. Dept received awards from National Physical Laboratories (NPL) and
- Indian Cryogenic Council for designing and fabricating Superconducting Magnet in 1975

Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

Dr. P. Venugopal Reddy Prof. & Director has received Patents for

1. Development of W-type hexagonal ferrites as permanent magnets
2. Development of ferrite co-axial Circular/ isolator with high isolation Ku band frequencies
3. Development of ferrite isolator with high isolation at X- band frequencies.

- Visiting Professor of Material Science at University of Maryland at Baltimore County (UMBC) for a period of two months during 2008
- Currently a Senior Visiting Professor at University of Technology, Mara, Kuala Lumpur, Malaysia.
- Visiting professor at Shanghai University, Shanghai, China.
- UGC-SAP advisory committee member of the Dept. of Physics, Kakatiya University, Warangal.
- Foreign expert of the selection committee of University of Putra Malaysia (UPM) to select Professor of Physics.
- Fellow of A.P Academy of Sciences Hyderabad.
- Fellow of Ultrasonic Society of India.
- Life member of Society for advancement of Solid state Sciences (SASS)
- Life member of Materials Research Society of India (MRSI).
- Life member of Indian Science Congress.
- Member of Magnetic Society of India.
- Refereeing of Journals :
 - a) Physica-B (Elsevier)
 - b) Journal of Mag. & Mag. Materials (Elsevier)
 - c) Journal of Alloys & Compounds (Elsevier)
 - d) Journal of Solid State Chemistry. (Academic Press)
 - e) J. Material Science (Kluwer Publishers)
 - f) J. Materials & Synthesis (Plenum Publishers)
 - g) J. Material Engg. & Synthesis (Elsevier)
 - h) Physica Status Solidi (Wiley)
 - i) Indian Journal of Physics. (Ind. Ass. cultivation of science)
 - j) Asian Journal of Physics.
- Senior Editor of the Journal **Physics Express**
- Ph.D adjudicator for around 40 theses from various Universities such as Marathwada, Mumbai, Gulbarga, Shivaji, Andhra, Sri Venkateswara, Kakatiya and UPM (Malaysia). DR.D.Raju
- Editorial Board review committee member for “International Journals of Advanced Engineering and Global Technology” (IJAEGT).
- Editorial Board review Committee member for “International Journal of Engineering research and technology” (IJERT).
- Editorial Board review Committee member for “International Journal of Scientific and Engineering Research” (IJSER).

Dr. A. Padjama

- Paper reviewer and examiner for M.Tech, Industrial Biotechnology, University College of Technology, Osmania University.
- M.Tech dissertation evaluation for University college of Technology, Osmania University.
- Chaired session on Curriculum Design at International Conference on transformations in Engineering Education, ICTIEE 2014.
- Paper reviewer for International Conference on transformations in Engineering Education. (ICTIEE 2015 & ICTIEE 2016)

Dr. B.V. Reddi Prof. Dept. of Mech. Engg has received Patents for

- Synthesis of Bi-based Super Conductor by Cryo-precipitation
- Editorial Board review committee member for “International Journal of Advanced Research” (IJOAR).
- Editorial Board review Committee member for “International Journal of Engineering and technical Research” (IJETR).
- Guest reviewer for International Journal “Advances in Pure Mathematics”. (APM).

Dr V Venkata Krishna

- NAAC Peer team Member
- AP ICET 2015 Advisory board Member
- Jury member for the International Conference on Innovations in Computer Science and Information Technology- ICICSIT 2015 organized by the Department of Information technology, MGIT.
- Board of Studies Member for IT dept for RGMCT (Aut) Nandyala, JNTU A
- Guest Faculty for various Institutions like JNTUH, NIT Surkal, Many more Engineering colleges.

DR.D.Raju

- Editorial Board review committee member for “International Journals of Advanced Engineering and Global Technology” (IJAEGT).
- Editorial Board review Committee member for “International Journal of Engineering research and technology” (IJERT).
- Editorial Board review Committee member for “International Journal of Scientific and Engineering Research” (IJSER).
- Editorial Board review committee member for “International Journal of Advanced Research” (IJOAR).
- Editorial Board review Committee member for “International Journal of Engineering and technical Research” (IJETR).
- Guest reviewer for International Journal “Advances in Pure Mathematics”. (APM).

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

- An incentive increment of Rs.3,000/- per month is sanctioned on submission of his Theses.
- An incentive increment of Rs.3,000/- to 8,000/- per month is sanctioned on submission of his Ph D certificate.
- An incentive increment of Rs.1,000/- per month is sanctioned on submission of his M.Tech. certificate
- An additional incentive increment of Rs.1000/ Rs2000/ and Rs 3000/ is sanctioned to the faculty who secure API score of 60 to 70 and >70 respectively.
- One time Financial incentive of Rs. 1000/- and Rs. 500/- is given for Publication of a paper in reputed Scientific journals for first author and second author respectively.
- Staff members are encouraged to attend seminars, conferences, workshops and short- term courses by providing TA/DA and registration fee.
- For presenting a paper in an international conference: International conference outside India 50% of actual expenses including registration fee or is paid to faculty.

- Necessary books and journals are provided for those who are pursuing research. Sufficient freedom is allowed to the staff for innovation and reforms in the teaching and learning process.
- Faculty members are sanctioned study leave for pursuing Ph.D. and M.Tech. Programmes and also permits non teaching staff to acquire higher qualifications.
- Faculty members are encouraged to take up developmental activities such as book-writing, paper publication, research projects and conducting student activities.
- All the teachers with M. Tech/ Ph.D are encouraged to apply for financial assistance to any research funding agency (UGC, AICTE etc).
- The administration encourages intra-departmental and interdepartmental R&D and Consultancy projects by providing the required amenities and needs.

3.5 Consultancy

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

The Institute industry interface is all about knowledge transfer and experience / technology transfer. The present changing paradigms today have necessitated these two to come closer.

The industry institutes relations can be used to enhance strategic competences with win-win results Internships help students to develop vocational self-concept, acquire job relevant skills and also develop decision making ability.

Industry instituteinteraction cell is established. It meets regularly to enhance the industry participation in the academics.

Objective of Industry Interaction Cell:

- Keep liaising with R&D organization and industry for knowledge sharing
- To bridge gap between institute and industry
- Faculty exchange with industry
- To arrange expert lecturers of eminent personalities
- To enhance inherent skill of faculty and students by arranging visits to industries
- To develop the skill to make the student placeable
- Knowledge sharing
- To get acquainted with practical or real word problems
- To explore the talent among industry, student and faculty
- To get acquainted with industry requirement, process, managerial skills
- To take review of curriculum and suggest the industrial supplementary contacts as per need of industry.
- It takes the review of research activity carried out in college
- It suggest advance training programs.
- They suggest resources lectures, books, magazines
- Periodic evaluation of staff member especially to evaluate the area of research, project training
- College - Industry Interaction Cell of each department interacts with industry to ascertain its needs and if these needs are felt missing in the curricula, the gap is filled by hosting special classes and by providing the required teaching for the students.
- Centralized Placement cell of the institution also interact with in dustries to know their job requirement and the placement officer of this institution acts as a liaison officer between the companies and college management.

- Our college has good alumni base who are currently working with many companies. This group certainly helps us in campus placements.
- An assessment is made periodically by the department to ensure the employability objectives of the department – which make sure to prepare the students on par with industry standards.
- The Industry – college interaction Cell of the department aids in the assessment of student related industry objectives of the department

➤ Industry institute interaction:

1. EEE Department has MoU with CMEY Automation private limited
 - Mr. Ch. Srinivas, MD, CMEY gave guest lecture to EEE B.Tech and M.Tech students.
 - Off Campus drive conducted by CMEY and 3 students got selected
2. MOU between VJIT & CII

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

- The college provides all necessary facilities to encourage faculty to take up consultancy works at institute level
- The college has constituted consultancy cell

The functions of Cell:

- To procure necessary equipment in labs and to promote consultancy activity
- To procure software for design of structures and for obtaining the results on projects taken up under consultancy
- Calibration of electrical meters Consultancy for conduct of online examinations
- Third party inspection services to Govt. buildings & projects
- To prepare modules for GATE, GRE and other competitive examinations
- To meet the challenging practical problems through consultancy
- The following measures are taken to publicize on various consultancy services offered by the college
- Providing information on the faculty expertise, testing equipment and facilities available in college website
- Participating in seminars, conferences and workshops to enhance the consultancy expert is and the lab testing facility
- Inviting industries and other organizations offering the services of the college consultancy cell to meet their problems

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

- By sponsoring the faculty to attend important workshops and seminars arranged by the leading technology consultants in relevant fields.
- Offering monetary benefits to faculty involved in consultancy as per the college policy
- Providing free transport facility to faculty to make field and industrial visits and meet the consultancy demands.

- Faculty members are permitted to utilize the infrastructure and lab facility.
- The Institute is recognized as academic partner for remote center conducting online exams of DGCA, (Director General and Civil Aviation).
- The Institute recognized as academic partner for conducting online exams for TCS, (Tata Consultancy Service).
- Institute is recognized as academic partner remote center for conducting online exams for National institute of Electronics and Information Technology (NIEIT).
- Recognized as a Research center by DRDO.
- **Memorandum of Understanding between VJIT (EEE Dept) and M/s CYME Automation Pvt.Ltd, Hyderabad**
- Some of the Software (Online Feedback system, Anti raging portal system) developed by students are given to other Institutes in Hyderabad.

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

Table3.12

Major consultancy Services taken up and the revenue generated during last 4years

S.No	Name of Consultancy Service	Name of the Faculty	Amount Received
1	TCS online examination center	Prof.Ravi Mathey	Rs.36,00,000/-
2	Director general and Civil Aviation National Institute of Electronics and Information Technology (NIEIT)	Prof.Ravi Mathey	Rs.4,40,000/-
3	Online feed back system	Prof.Ravi Mathey	Rs,50,000/-
4	Anti raging Portal system	Prof.Ravi Mathey	Rs.40,000/-

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

Policies on Consultancy:

The policy on sharing the income generated through consultancy is given in the college quality document as follows

1. The consultancy works may be categorized into three types:

Category ‘A’ : Consultancy works involving testing the materials/items using laboratory equipment and machines.

Category ‘B’ : Consultancy works using faculty expertise for analysis, design, programming etc.

Category ‘C’ : Consultancy works using high quality softwares available in the college.

2. Breakup of sharing the consultancy is shown in table below

Table3.14**Details showing the breakup of sharing the consultancy amounts**

Sl. No.	Members / Items	Category A	Category B	Category C
1	Principal	5.0	5.0	5.0
2	Dean, R & D and consultancy	2.0	2.0	2.0
3	HOD	5.0	5.0	5.0
4	Staff involved			
	i) Faculty	30.0	45.0	45.0
	ii) Technical & Non-technical	15.0	-	-
	iii) Programmers / Computer operators	-	-	-
5	College	20.0	20.0	20.0
6	Expenses in preparing the reports and others Actual subjected to a maximum off	18.0	20.0	18.0
7	Depreciation	2.0	-	2.0
8	Maintaining the records, typing covering letters, dispatch etc.			
	i) Jr. Assistant/Operator	2.0	2.0	2.0
	ii) Attendant / Helper	1.0	1.0	1.0
Total		100.0	100.0	100.0

S. No.	Category – A			Category - B			Category – C		
	Members	Project Name	Consultancy Amount	Members	Project Name	Consultancy Amount	Members	Project Name	Consultancy Amount
1	-	-	-	Prof. M.Ravi	Online exams center TCS, NIEIT (for example IBPS, CGPA, GPACT, GATE,IIT,JEE	36 Lakhs	CSE Students (2009-2013 batch)	Inventory Management for BHEL R&D Hyd	15,000/-
2	-	-	-	-	-	-	CSE Students (2009-2013 batch)	Patient Dash board for Apollo Hospital Jubleehills Hyd	20,000
3	-	-	-	-	-	-	CSE Students (2012-2016)	Health care solution for smarter city via Unic ID	40,000/-

4	-	-	-	-	-	-	CSE Students (2012-2016)	Online Feed back	50,000/-
5	-	-	-	-	-	-	CSE Students (2012-2016)	Anti raging Portal	15000/-

The Consultancy amounts received will be disbursed in accordance with the above breakup policy once in 6 months / 12 months, preferably during 1st week of January/July every year. The balance amount will be utilized to develop the laboratories by procuring the equipment and software necessary to conduct experiments related to research and also to arrange workshops and seminars on consultancy activities.

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?

Institute encourages students to participate in extension activities and to help neighborhood community. Institute has different social activity clubs like HITA, Akroth, **AVASHAH – Hands that Help.**

HITA is a student service club: Where students are working with pleasure for the betterment and development of the society, helping and understanding the needs of the under privileged society. HITAIN's believes in the words of **“Service to Mankind is Service to God”** but this should be done with pleasure and hence it brought us the thought of forming a Club named “HITA-Service with Pleasure” meaning..... Today all of us are busy in our world and very few have the thought and notion of helping others.

S.No.	Name of the Event	Date
1	HITA : Blood donation camp & Treeplantation at VJIT	05 th Sep. 2015
2	HITA :Swachh Bharat at Mehdipatnam Bus Stop	14 th March 2015
3	A “Rupee a Day” donation boxon	11 th April 2015
4	Save Electricity and Water	1 st June 2015
5	Adoption of Old Age Home or an Orphanage	18 th April 2015
6	Blood Donation and Medical Camps in Villages	13 th August 2015
7	Free Drinking Water camp at VJIT	28 th May 2015
8	Donation to Earthquake Affected Victims-Nepal	4 th May 2015

9	<i>Awareness and Training Program on</i> <ul style="list-style-type: none"> • Health and Hygiene Awareness • Child Labor • Traffic Education • Women Empowerment • Environmental Education on Issues like Save Water, Electricity, Conserve Plants and Animals etc. 	2014-15
10	Akrodha: Balyam Orphanage Home, Kalimandir, Hyderabad	August 15, 2013
11	Akrodha :Balyam Orphanage Home, Kalimandir, Hyderabad	5 th Oct 2013
12	Akrodha : Vivekananda Vidya Vikas Home, Vanasthalipuram, Hyderabad	August 15, 2015
13	SWACHH BHARAT campaign at Aziz Nagar Village	November 29, 2014
14	VRN: VRN distributed 125 kilos of rice, 20 kilos of dal, 20 kilos of oil, 20 kilos of onions, 20 kilos of potatoes, 700 Note Books etc.	26 th Jan. 2014

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

Institute encourages students to participate in social movements / activities which promote citizenship roles with the help of NSS activities, and students clubs like HITA, Akrodh, AVASHAH – Hands that Help

- HITA: Blood donation camp and tree plantation on 2nd October 2015 at VJIT.
 - HITA : Swachh Bharat at Mehdiapatnam Bus Stop 14th March 2015
 - SWACHH BHARAT campaign at Aziz Nagar Village 29th November 2014
 - Harithon run – Green Run Rally, 19th Feb. 2012
- One day Programme on “Biodiversity Train Visit” on 14th October 2012

1. Institute has social service club HITA – Service with Pleasure

HITA is a student service club: Where students are working with pleasure for the betterment and development of the society, helping and understanding the needs of the under privileged society. HITAIN's believes in the words of “**Service to Mankind is Service to God**” but this should be done with pleasure and hence it brought us the thought of forming a Club named “HITA-Service with Pleasure” meaning..... Today all of us are busy in our world and very few have the thought and notion of helping others.

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1	HITA : Swachh Bharat at Mehdiapatnam Bus Stop	14 th March 2015
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5	Blood Donation and Medical Camps in Villages	13 th August 2015
6	Free Drinking Water camp at VJIT	28 th May 2015
7	Donation to Earthquake Affected Victims - Nepal	4 th May 2015
8	<i>Awareness and Training Program on</i> <ul style="list-style-type: none"> • Health and Hygiene Awareness • Child Labor • Traffic Education • Women Empowerment • Environmental Education on Issues like Save Water, Electricity, Conserve Plants and Animals etc. 	2014-15
9	Akrodha: Balyam Orphanage Home, Kalimandir, Hyderabad	August 15 2013
10	Akrodha :Balyam Orphanage Home, Kalimandir, Hyderabad	5 th Oct 2013
11	Akrodha :Vivekananda Vidya Vikas Home, Vanasthalipuram, Hyderabad	August 15 2015
12	SWACHH BHARAT campaign at Aziz Nagar Village	November 29 2014

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

- The college conducts parents meets, collects feedback from parents every year and suggestions will be taken.
- The colleges' takes exit feedback from outgoing batch students, analyses and take their suggestions.
- The college Management Committee (CMC) takes decisions and policies keeping in view the perceptions of all stake holders and recommends to the Governing Body (GB).
- A registered Alumni association of the college has been established which helps the institution in extending their activities like delivering lectures on placement opportunities and provide financial support to meritorious poor students: thus contributes towards overall performance and quality of the institution.

3.6.3 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.

College plans and organizes its extension activities.

NSS winter camps
 NSS Summer camps
 One day special camps at College level
 One day special camps at adopted villages
 Special programs by College student clubs

Major extension and Outreach programs

- 1st Special camp at Himayatnagar village, Moinabad Mandal 19.3.2010 to 25.3.2010
- 2nd Special Camp at Anthappaguda village, Shankarpalli Mandal: 6.3.2012 – 12.3.2012

- 3rd Special Camp at Chilkur village, Moinabad Mandal: 24.1.2013 to 30.1.2013
- 04th Special Camp at Thangadapally Village, Shankerpally Mandal
- Developing leadership quality among the students and unemployed youth
- Health awareness camp and Blood Donation Camps
- Clean and green activities and Awareness on Environment protection
- The college organizes different social service activities in association with Lions Club.
- Save Electricity and Water (HITA)
- VRN distributed 125 kilos of rice, 20 kilos of dal, 20 kilos of oil, 20 kilos of onions, 20 kilos of potatoes, 700 Note Books etc.

4th Special Camp at Thankadpally village, Shankarpalli Mandal: 04.03.2015 to 10.03.2015			
Day	Date	Day	Programme
DAY – 1	04.03.2015	Wednesday	Repaired road and Plantation Tree plantation Helping the villagers in road repairs.
DAY – 2	05.03.2015	Thursday	Clean School White Washing the School and Temple Premises, Gardening, Rain water Harvesting
DAY – 3	05.03.2015	Friday	Green for Future Creating Awareness on important on Trees Creating Awareness on Global warming
DAY – 4	06.03.2015	Saturday	Literacy Programme Conducting Science experiments, Introduction to digital class, Modern Teaching Aids
DAY – 5	07.03.2015	Sunday	Health for all Health check up camp Creating awareness on self health
DAY – 6	08.03.2015	Monday	Literacy Programme Conducting Science experiments, Introduction to digital class, Modern Teaching Aids
DAY – 7	09.03.2015	Tuesday	Awareness campaign Save E-nergy – Save water - Ban Plastic bags, Valedictory Function

3rd Special Camp at Chilkur village, Moinabad Mandal: 24.1.2013 to 30.1.2013			
Day No.	Date	Day	Programme
DAY – 1	24.1.2013	Thursday	Neat and Clean Creating Awareness on Neat and clean among village peoples and School children Creating awareness of effect of uncleaned drainage and spreading of diseases through mosquitoes
DAY – 2	25.1.2013	Friday	Awareness on Transport and medicine HIV/AIDs awareness Awareness on drugs Creating Awareness on safety and Security in Transport
DAY – 3	26.1.2013	Saturday	Green for Future Tree plantation Creating Awareness on important on Trees Creating Awareness on Global warming

DAY – 4	27.1.2013	Sunday	Clean School White washing the school premises Gardening Rain water Harvesting
DAY – 5	28.1.2013	Monday	Health for all Health check up camp Creating awareness on self health
DAY – 6	29.1.2013	Tuesday	Literacy camp Modern Teaching Aids : Teaching School students
DAY – 7	30.1.2013	Wednesday	Awareness campaign Save Energy – Save water

2nd Special Camp at Anthappaguda village, Shankarpalli Mandal: 6.3.2012 – 12.3.2012		
Day	Date	Prgramme
8.3.2012	Thursday	<u>Neat and Clean:</u> Creating awareness on cleanliness & Hygiene among Villagers and School children Creating awareness about the effects of open drainage and spreading of diseases through Mosquitoes and other insects
		<u>Road Repairing:</u> Creating Awareness on safety and security in Transport. Helping the villagers in road repairs.
9.3.2012	Friday	<u>Green for Future:</u> Tree Plantation, Creating Awareness on the importance of Trees, Campaign against felling of trees. Creating awareness on Global warming Causes and Remedies
		<u>Health for All:</u> Health Check up camp, Creating awareness on Self health, HIV/AIDS, Awareness on drugs
10.3.2012	Saturday	<u>Clean School:</u> White Washing the School Premises, Gardening, Rain water Harvesting
11.3.2012	Sunday	<u>Literacy Programme</u> - Conducting Science experiments, Introduction to digital class, Modern Teaching Aids
12.3.2012	Monday	<u>Awareness Campaign:</u> Save Energy - Save Water - Save Trees, Ban Plastic bags, Valedictory Function

3.6.4 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 has a NSS Unit with a total strength of 150 members, affiliated to J.N.T.U. Hyderabad. The unit was established with an objective to cultivate the attitude of social service in the minds of students and to make them into responsible citizens.
- The members of NSS unit and the faculty participate in special and regular camp activities every year.
- NSS Activity to the Government Library, Moinabad, Ranga Reddy District:

- 1st Special camp at Himayatnagar village, Moinabad Mandal 19.3.2010 to 25.3.2010
- 2nd Special Camp at Anthappaguda village, Shankarpalli Mandal: 6.3.2012 – 12.3. 2012
- 3rd Special Camp at Chilkur village, Moinabad Mandal: 24.1.2013 to 30.1.2013.
- 4th Special Camp at Tangadepally village, Shankarpalli Mandal: 4.3.2015 to 10. 3. 2015
- To organize personality development classes to nearby Government Schools.
- To organize health awareness camps for public like Eye check up, Diabetics check up and General health check up camps and Blood Donation camps
- Conducting free classes to school children on simple basics of mathematics and sciences
- Institute has different social activity clubs like HITA, Akroth, AVASHAH – Hands that Help through which number of activities are conducted by students and faculty.
- Organ donation: Special lecture organized with Lions Club, Jubilee Hills:
- Computer education to rural children by NSS volunteers:
- Yoga training programme for village students

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

College does the survey of the society needs and accordingly organizes the activity.

The institute has undertaken number of initiatives to Under privileged and vulnerable sections of society. The activities conducted are,

- Students have developed many projects related to service orientation and holistic development of students. Some of the projects developed are green revolution electricity car, Trivehicle for handicapped, Solar panel powered four wheeler vehicle and solar fencing for the institution.
- A project on Eye Movement Controlled Wheel Chair by Raspberry PI is implemented to contribute physically challenged persons in ECE department.
- A project on Implementation of Hitech Agricultural Solar Fence Security with Soil Humidity Based Automatic Irrigation System and Voice Alert ON PIR Live Human Detection is implemented in agricultural area.
- A project on IRIS recognition using RIDGELET Transform is implemented security systems.
- A project on Lungs health monitoring by respiration analyzer using microcontroller is implemented to in the area of health monitoring system.
- Mechanical Engineering students have developed Power Brake to stop rotating saw when human touches the blade by accident.
- Mechanical Engineering students have also developed Paralysis Prosthetic Hand to help people suffering from Paralysis.
- Another project titled Heat transfer enhancement of nano fluids in heat exchangers done by the Mechanical Engineering students to help the industries to increase their overall efficiency.

3.6.6 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.

Engineers are the backbone of the country; they must know the weakness and strength of our society. The extension activities organized by the institution make them aware about the need and the necessity of our society. This makes them easy to decide their role in the society. Therefore all these activities help them to build themselves and to take part to the nation building process.

- Electronics club and hands on experience helping students to attain their outcomes in ECE department. Some of the projects developed under electronics club “Robo movement controlling using ANDROID” and “Design of autonomous fire fighting ROBOT” are implemented and this experience intern leads to academic learning of Micro Processor and Micro Controller and Embedded System Courses.
- The outcomes of the extension activities help lot to develop the overall personality of the students. These in turn are useful for getting good employment.
- The extension activities help to student to understand real life problems. Student can develop lifelong learning skills. They can apply the knowledge to solve the community problems.
- The extension activities expose the students to rural life and possible application of technology to make village life comfortable.
- The entrepreneurship skills are also developed among the students.
- The extension activity motivates the students to pursue higher studies.

3.6.7 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 college organizes the development programs at community places (e.g. villages) as per the need of the village. The College faculty and students visit the community and the community stake holders are invited and programmes are planned for community development. With the involvement of the village Community the following activities are conducted for the Community development.

The details on the initiative of the institution that encourage community participation in its activities are as follows.

- Plantation
- Blood donation camp
- Awareness Camp
- Yoga classes
- Orientation Programmes with the presence of eminent persons in the field of science, medicine, literature, art and social service.
- College organizes cultural programs at schools and involves people in the programs.

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

- Computer education to rural children of Anthappa gudem village by NSS volunteers: 11.03.2012, 27.01.2013
- Akrodha: Balyam Orphanage Home: Kalimandir, Hyderabad 15th Aug. 2013
- Akrodha: Vivekananda Vidya Vikas Home: Vanasthalipuram, Hyderabad 15th Aug. 2015

- Harithon run - Green Run Rally: 19th February, 2012
- Yoga training programme for students and youth of Chilkur village 13.3.2012
- NSS Activity to the Government Library, Moinabad, Ranga Reddy District: 19.11.2012
- 1st Special camp at Himayatnagar village, Moinabad Mandal 19.3.2010 to 25.3.2010
- 2nd Special Camp at Anthappaguda village, Shankarpalli Mandal: 6.3.2012 – 12.3.2012
- 3rd Special Camp at Chilkur village, Moinabad Mandal: 24.1.2013 to 30.1.2013
- 4th Special Camp at Tangadepally village, Shankarpalli Mandal: 4.3.2015 – 10. 3. 2015

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.

- Students of Vidya Jyothi Institute of Technology (India) V. Badrinath & Kumar Ravi won the first prize in SPIE OPTICS OUTREACH GAMES 2014 at San Diego, California, US during 17 - 21 August 2014.
- Received Lions Club appreciation award for best Blood Donation Camp organized by NSS for the year 2013.

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.

- Collaboration with Chennai to arrange Teacher Training Programs on “Excellence in Teaching –Learning”.
- Collaboration with industries and external research laboratories results in student industrial visits, summer internships and student projects.
- Collaboration with TCS, INFOSYS Campus connects, MICROSOFT, DRDO Unistring Tech Solutions, Hyderabad, Efftronics Systems Pvt. Ltd., Vijayawada.
- Collaboration with indo US Collaboration for Engineering Education (IUCEE). The college faculty attends the academic leadership programs of IUCEE, College also avails webinars of IUCEE.
- Collaboration with IIIT enhance education.

Benefits:

- Improved Teaching Learning Environment.
- Industry oriented B.Tech and M.Tech projects.
- Improved R & D and consultancy activities.
- Improved Placement & Training activity.
- Exposure to students on practical and Industrial aspects through Industrial tours.

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.

Details of MOUs/Collaborative arrangements with the college

- IBM Career Education Programme, Hyderabad
- Unistring Tech. Solutions Pvt. Ltd., Hyderabad
- Tata Consultancy Services (TCS), Mumbai.
- COIGN Education & IT Services, Hyderabad
- Globarena Technologies Pvt. Ltd. Hyderabad
- Premier Engineering Industries, Hyderabad
- Krikamit Engineering Pvt Ltd., Hyderabad.
- Frugal Technologies Pvt Ltd., Hyderabad
- IIIT Enhance Education : Learning by Doing & Course content development
- InPods : Out Come based Education
- Talent Sprint, CRT Partners
- Reference Globe , Career Guidance

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.

- Industry-Institute Community interactions by inviting scientists and industrialists to deliver guest lectures and to organize workshops and seminars helped the institution in so many ways.
- Faculty and students are trained to meet the technological needs of industry and society. Funds and also with the amounts allotted through institute budgets.
- Awareness on importance of collaborative research projects and live projects for students is created by inviting eminent scientists and industrial personnel.
- Both faculty and students are benefited by organizing Industry oriented workshops wherein they gain hands-on experience and industrial exposure.
- EEE Dept has an MOU with CYME Automation pvt ltd, which resulted in academic support for the students in the courses control systems & Power Electronics. Students are also benefited with summer internship and placement opportunities.

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 faculty members periodically participate in short term courses and workshops/ training programmes organized by this college and also organized by other institutes to enrich their technical knowledge and skills. The various departments conducted several workshops/ Faculty Development Programmes/ Training Programmes on the latest technologies and software for the benefit of the faculty. The following are the details of workshops/ Faculty Development Programmes/ Training Programmes organized by various departments during the last four years.

Workshops / Faculty Development Programmes / Training programmes organized during the last four years.

S.N	Seminars/Workshops/Conferences	KeyPerson	Date
1	A Work Shop on "Structures, Failures and Lessons"	Dr. Ivatury S. Raju, NASA Technical Fellow, Langley Research Center, Hampton, A, USA	9 Feb 2015

2	A Seminar on “Google Application for Education”	Ch.Dwarakanath Director, Implementation & Training, Google India.	23 & 24 December 2014
3	A Seminar on “Computer generated halogram for 3d display”	Prof. Hiroshi YOSHIKAWA, Ph.D., Dept. of Computer Engineering, College of Science and Technology, Nihon University, Japan	21 December 2014
4	A workshop on ‘Preparing Today’s Students for Tomorrow’s Challenges’	Department of H&S TPO Mr Satya Kiran	25 November 2014
5	Role of S/W Engineering in Project Development	Dr. William, Microsoft India, Hyderabad	13 November 2014
6	A workshop on AUTOSUGGEST, Data Structure and Algorithm behind it.	S. Sandeep Kumar & Team, Microsoft	8 November 2014
7	A Workshop on Data Analytics	Mr. Shankar, National Business Head (SAS @ Lodestone Learning) Mr. Sunny, Asst Manager (SAS @ Lodestone Learning).	29 October 2014
8	A Seminar on “Introduction to Data Science”	Dr. Dakshinamurthy, educator, consultant, Scientist and entrepreneur, INSOFE.	10 October 2014
9	A Workshop on “the 21 st Century Grand Challenges of Engineers”	Department of H&S In collaboration with IUCEE	15 to 17 September 2014
10	Grass-root level Innovations & Entrepreneurial opportunities	P Ganesham, Founder of Palle Srujana & Honeybees network	22 August 2014
11	Work Shop on “Augmented Reality	Mr. Punkaj Diwan, CEO-UPTEC IDEALabs	13 th August 2014
12	A Seminar on “Engineering projects in Community service”	DR William s, Director, EPICS, Purdue University	2 August 2014
13	A Seminar on “Global Professional development”	Sri Nivas P C S Talent acquisition team lead Infosys	2 August 2014
14	Conference on “Engineering the Future Engineer”	1. Bhargav Mamillapalli, Anil Nair Classes 2. Prof Anil Ramesh, Director, Siva Sivani Institute of Management 3. Dr AV Hanuman, Andhra University 4. Dr VSV Laxmi Ramana, VJIT	25 th to 26 th July 2014
15	IBM Orientations program on Moving Ahead with Times	Ms. Sheetal Soni, Country Channel Manager, Career Education, IBM India	16 July 2014
16	21 st Century Grand Challenges of Engineers	Prof Krishna Vedula, Executive Director, IUCEE	15 July 2014
17	Interactive session for students on Project Based Learning	Prof Siva Krishnan, Faculty Expert, IUCEE	15 July 2014
18	Seminar on “Career opportunities”	Mr. Raja Das Gupta, Country Manager, Oracle India	15 July 2014
19	A National Workshop on Project-Based Active Learning Methods in Engineering	Dr Siva Krishnan is from IUCEE, faculty expert, Indianapolis, USA.	14 & 15 July 2014

20	FDP on Engineering drawing	Prof Kommariah, SNIT, Hyderabad Prof Ratnareddy, CBIT, Hyderabad	26th & 27th June 2014
21	MATLAB WORKSHOP	Mr. Sk. Jakeer Hussain	26th June 2014
22	Faculty Orientation Programme	<ol style="list-style-type: none"> 1. Ms. Sandhya Kode, Director Enhance Education IIIT, Hyderabad 2. Mr. Lion Nagaraju 3. Mr. Daniel Raj, Chief Executive Officer, Smart Skills Lab 4. Prof Anil Ramesh, Director, Siva Sivani Institute of Management 5. V.S.V. Laxmi Ramana, Professor, VJIT 6. Dr. P. Venugopal Reddy, Director, VJIT 7. Ms. Sandhya Kode, Director Enhance Education IIIT, Hyderabad 8. Mr. Lion Nagaraju 9. Mr. Daniel Raj, Chief Executive Officer, Smart Skills Lab 10. Prof Anil Ramesh, Director, Siva Sivani Institute of Management 11. V.S.V. Laxmi Ramana, Professor, VJIT 12. Dr. P. Venugopal Reddy, Director, VJIT 	25th & 26th June 2014
23	A Seminar MVC Architecture & Importance of Framework	Mr. Jaya Kumar, Technical Head, NeoApp Technologies, Hyderabad	21 March 2014
24	A guest lecture by "Distinguished Alumni" organised by VJIT Alumni Association	Dr. Ramagopal Varma. Ramaraju of 2004-08 batch, Sr. Lecturer, Faculty of Technology, University Malaysia	11 March 2014
25	A Seminar on IOS Native Application Development	Mr. K. Sandeep, Senior Software Engineer, Cognizant Technology Solutions, Hyderabad	7 March 2014
26	Two day national level workshop Hacking Essentials	G. Vishwanath, South Regional Manager, EC-Council, India	20 & 21 Feb 2014
27	A Two Day Workshop On "COMPREHENSIVE MATLAB"	Mr. Mahesh Anand S, Founder & CEO, SCS-India.	19 th & 20 th Feb 2014.
28	Smartgrid	Mr. Sridhar CPTI	6 February 2014
29	A National Level one day Hands-on ISTE workshop on Adobe Photoshop	Mr. Vemuluri Rakesh, Technical Head, Mr. Dharmana Krishna Mohan and Mr. Veluri Ramakrishna from SHAFT Academy of Media Arts, Hyderabad	4 th Feb 2014
30	A Seminar On "Developing the ecosystem for academic excellence"	Mr. Abdullah, Former Executive Director, Power Finance Corporation and Motivational Speaker	14 Jan 2014
31	Hands On Training "Medical Image Processing"	Mr. Sk. Jakeer Hussain	8 January 2014.
32	One day seminar on Java Technologies	Mr. Sudheer Reddy, Team Lead, Wipro Technologies	4 th Jan 2014

33	A Two Day Workshop On“Embedded System ARM7AndRaspberryPi”	Suprath Joshi, CEO, EmbeddedRF Technologies	3 & 4January 2014.
34	A talk on Out ComeBased Education	Prof Krishna Vedula, ExecutiveDirector,IUCEE (Indo US CollaborationforEngineering Education) ProfKrishna Vedula, ExecutiveDirector	2 Jan2014
35	A Work Shop on “FPGA BasedVLSIDesign Using Verilog WithPracticalImplementation”	N. Suresh Kumar, Director,ELEGENT Technologies	19 th & 20 th Dec 2013
36	A Seminar on “ AgriSensors”	Dr. SarunSumriddetchkajornPrincipal Research /Director Intelligent Devices and SystemResearchUnit National Electronics andComputertechnologycenter National Science andTechnology DevelopmentAgency Thailand	December19 2013
37	Where is theengineeringprofession heading: The challenges and opportunities	Mr. Ahmed, Head- SouthOperation- TalentSprint	December16 2013
38	A Work shop on“Grid management”	1.MdAnwaruddin Director/Grid Operation/APTRANSCO 2.Sri MSR Sarma SE /Protection APTRANSCO (Retd.) 3.Dr P V Satya Ramesh DE / OpenACCESS /APTRANSCO	12 th & 13 th Dec 2013
39	Load DispatchOperation	Dr P V Satya Ramesh DE / Open ACCESS/ APTRANSCO Prof.S.M.Zafarullah HOD,EEE Dept /VJIT	12 th & 13 th Dec 2013
40	SPECTRA2013 “Two day workshop onOptics”	1. Prof. K. VenugopalReddy,HOD,Physics,O U 2. Dr.C.P.Vardhani, Head, Departmentof Physics, Osmania UniversityCollege ForWomen. 3. Dr. Kannan Ramaswamy, from BITS– Pilani,Hyderabad 4. Dr. T. Sreekanth, Head, JNTUC, Jagatial. 5. Dr. Suryanarayana	9 &10 November2013
41	Work Shop on“Optics”	OSA student chapter ofVJIT	30 Sept. 2013
42	Industry institute interaction programme	Mr. Chamarthi Srinivas CYMEAautomation System pvt.Ltd.	30 August2013 (1 st July-15 th oct 2013)

43	Need for Concept Oriented Physics Teaching in Engineering Colleges	<ol style="list-style-type: none"> 1. Prof. K. Rama Reddy, Senior Director, ANGI 2. Dr. Suryanarayana, IIT, Hyderabad 3. Dr. P. Madhusudana Rao, BOS, JNTUH 4. Dr. P. Kistaiah, professor, OU 5. Professor P. Yadagiri Reddy, OU 	12th to 17th, August, 2013
44	Moving ahead of the curve: why industry – academia connect matters.	Mr. Sundaram, Campus Recruitment Lead	August 08 2013
45	Latest trends in the IT Industry	M.S.R. Murthy, Delivery Head, TCS	August 04 2013
46	Two days National workshop on Cloud Computing Development.	<ol style="list-style-type: none"> 1 Dr. Rajkumar Buyya Prof. in computer Science and Engineering Dept, Melbourne University and CEO Manjra Soft Pvt Ltd. 2. K. Raghavendra Scientist Adrin 	2 nd 3 rd Aug. 2013
47	Role of Mathematics in Engineering	<ol style="list-style-type: none"> 1. Prof. M. A. S. Srinivas, Professor and HOD of Mathematics, JNTU, Hyderabad 2. Prof. K. Satyanarayana 3. Prof. Srinathan, IIT, Hyderabad 4. Dr. A. Ramu, Professor of Mathematics, BITS, Hyderabad 5. Dr. B. S. Lakshmi 	15 th to 20 th July 2013.
48	Basics of electrical engineering	Mr. Prof. S. M. Zafarullah (HOD/EEE) N. L. V. Prasada Rao (Prof)	27 th to 29 th June 2013
49	Faculty Orientation Programme	<ol style="list-style-type: none"> 1. Sri A. K. Menon, MD, Options Executive Search Pvt Ltd 2. Sri Achyuth Rao, President Bala Hakkula Sangham, A.P 3. Sri Venkata Ramana, Founder and Director of HIMS 4. Sri Tirumal Reddy, Learning and Development Professional 5. Sri Akella Raghavendra Rao 6. Sri Bala Kishore, Senior Vice President, United Online Software Development India Pvt Ltd., 	24 th & 26 th June, 2013
50	Recent trends in electric traction	Sri R. V. V. Subramanyam, ADE / Electric Traction / SCRLY, Secunderabad Sri Pramod .P, DGM / L & T Metro Rail / Hyderabad	24 th June 2013
51	Efficient teaching methods for engineering students	Mr. Chamarthi Srinivas CYME Automation System Pvt. Ltd.	25 May 2013

52	Two days National workshop on Android Application Development.	1 G. Srinath Reddy Technical Head in COIGN Edu pvt ltd. 2.S.Naveen, Sr. Software Engineer 3.Y.Shiva Reddy,	3rd&4th April 2013
53	Instill Design	Ms.Prathima Guptha (IIT Bombay), Mr.Kalyan (National Institute of Technology).	22nd-23rd March 2013
54	Opportunities in the Finance Industry'	Aditya Lanka, IIM Kolkata alumni and a former consultant with Bloomberg	March 11 2013
55	Smartgrid	Mr. Mahesh Kumar ADE/CPDCL	5 March 2013
56	One day National seminar on Ethical Hacking & Information Security. Ethical Hacking & Information	Mr. Safeer ur Rahman Technical Director, EC-Council, Hyd.	2nd March 2013
57	One Day National seminar on Microsoft Application Development.	1. C.Ramesh ,Sr. Software Developer, visual studio platform 2.Mr.Naveen Kumar, Software Developer in	26 Feb 2013
58	Latest advances in the IT industry	Madhu Murthy, former Vice President, Applabs and co-founder, Talent Sprint	Feb 15 2013
59	A Seminar on "Open source Technologies IBXGLUG"	Ms.Linitha, Sr. Software Engineer, CSC, Hyderabad	14th Feb 2013
60	Non conventional energy sources	1.Dr D P Kothari Director General JB Group of Educational Institutions 2.Sri Rama Raju, Solar energy consultant 3.Dr.T.S.Surendra, Principal BVRIT, Hyd 4.Sri Uday, wind power engineer Suzlon Energy	23rd to 24th Jan 2013
61	A Workshop on "Autonomous Robotics"	Techkriti'13, IIT Kanpur & I3 Indya Technologies	23rd & 24th Jan 13
62	Infosys Technical Seminar	Dr.Sundharam (Head, Recruitment)	23 rd Jan, 2013
63	A Seminar on "Optical precision metrology"	Prof. Anand Krishna Asundi Ph.D. Eng school of Mechanical & Aerospace Engineering, Nanyang	December 27 2012
64	Workshop on "Photonics & Applications of optical Fibers"	Prof TSrinivas, IISc, Bangalore	7 & 8 December 2012
65	Employability and career Opportunity in New Era	Prof.M.S.RMurthy (Head, TCS, Hyderabad)	6th November- 2012
66	Prospects of computing Education	Prof. Pratap Reddy (PVC College New Jersey, USA)	21st October- 2012
67	A Lecture on Prospects of Computing Education.	Prof. Pratap Reddy, PVC College, New Jersey, USA	5th Oct 2012
68	A Seminar on "Software testing in real time scenario".	MD. Riyaz, Team Lead -HCL	27 September 2012

69	Chemistry in Engineering Technology	Department Of Chemistry	10 Sep,2012
70	Applications of Mathematics in Engineering Sciences	Prof. D. Rama Murthy, OU Prof. M. V.S. Srinivas, HOD, JNTUH Prof. J. Anand Babu, (Retd.), OU Prof. V.	4th and 5th September, 2012
71	Latest Trends in Materials.	Department Of Physics	24th & 25th, August, 2012.
72	Large capacity turbogenerators	Mr. V. Bhanu Murthy, S.E, BHEL ,Haridwar	14 August 2012
73	Foster professional communications skills	Mr. Prem Dayal, Lead Manager Education & Research	August 10 2012
74	A one day Seminar on AIX (UNIX-flavored) Operating System.	Mr. Krishna Chaitanya , Sr. Consultant power systems and services, IBM	27th July 2012
75	Recent trends in switch gear and protection	Dr. M Rammoorthy, Former Director General/ CPRI Sri. Dhakshina Murthy (CE/Retd. APTRANSCO). Sri. P.S.N. Raju, ADE/MRT /400KV Lines/APTRANSCO Prof. S.M. Zaf	JULY 5th to 7th 2012
76	The Latest Trends in the IT Industry	Mr .Karthikeyan, Sr. HR Manager, Mphasis	March 19 2012
77	Solar Energy applications	Dr. SURENDER Principal, BVRIT	1 March 2012
78	Earthing practices in power systems	Sri. Karamchetty Jawaharlal Nehru Sr. Faculty ESCI	30 January 2012
79	Performance & testing of induction motors	Sri. M.S.N. Sastry Former Director Heavy Water Board	20 January 2012
80	Training on Aptitude, Reasoning, Soft Skills and Communication Skills	Mr. Niranjana and Mr. Gangadhar of Career Conduit	16 to 22nd Jan 2012
81	A Seminar on “Web technologies”	V Vijay Kumar, Mag Web Technologies	17th September 2011
82	Applications of electrical machines in power industry	Sri. M. Gopal Rao, Director/APTRANSCO (Retd) Mr. Joseteje, Railway Traction system, Secunderabad Sri. CH. Srinivasa Rao, Manager Elmore Alternators (Retd)	AUG 26 & 27 2011
83	Environmental Pollution, Its sources Effects and Remedies	Department Of Chemistry	23rd, Mar, 2011
84	Nuclear power plants	Mr. A. Chandra Mohan Rao Sr. Scientific Officer "G" A.D.E. (Retd)	17 February 2011
85	Energy conservation for national growth	Mr. S. Ganapathi S.E. (RETD) (APTRANSCO)	8 February 2011

86	A Seminar on “Design and Development of Mobile Embedded Systems”	Dr. Lal Kishore, JNTUH	11 Jan 2011
87	SCADA applications in power systems	Sri. P.V. Srinivas DE/AP.GENCO/HYD Sri. ADE/TEL/AP.TRANSCO Sri. N.L.V. Prasada Rao DE/SCADA (APTRANSCO)	DEC 22nd & 23rd 2010
88	Recent trends in power transmission system	Mr. C. Devender Reddy SE/Hydel/APGENCO. (Retd.) Mr. K. Ramakrishna DE/Hot Lines/APTRANSCO Mr. Narayana Rao ADE/Hot Lines/APTRANSCO	FEB 4th & 5th 2010
89	Relevance & meaning in the Teaching and Learning of English communication skills	Department Of English	25th and 26th July, 2008
90	Power electronics and Drive systems in industrial environment new trends	Prof. PP. Reddy, HOD, KG Reddy, ECE Dept.	17 th Jan 2013

- Several of our faculty members delivered guest lectures in various other colleges and also acted as Judges in various student technical paper contests organized by other colleges.
- Many faculty members are involved in R & D and consultancy works.

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

HOD/Senior Professor of each department has experts both from Industry and Reputed Institute. The HOD/Senior Professor meets frequently and gets suggestions in view of the needs of Industry and ongoing changes in relevant technological changes in various disciplines.

The Institution has MoU's with the following

- Infosys Campus connect
 - TCS
 - Microsoft
 - Indo U.S. Collaboration for Engineering Education (IUCEE)
 - IUCEE Collaboration for Project Based Learning in Engineering Education.
 - IIIT enhance education Hyderabad.
 - In Pods outcome based education
 - MoU with Quadrivium Software Pvt Ltd. For Android applications software programming.
- ECE students Table

b) Internship/ On-the-job training

- Collaboration with various industries provides an opportunity to the students for industry exposure, acquiring training skills for placements and getting projects from industries.
- Many students were benefited with the organization of ICT programs to place in Infosys Campus Connect program and IBM Career Education Programme.

- EEE Dept has an MOU with CYME Automation pvt ltd, which resulted in academic support for the students in the courses control systems & Power Electronics. Students are also benefited with summer internship and placement opportunities. Mr. Chamarthi Srinivas, Managing Director of CYME Automation PVT Ltd was associated with EEE dept for one semester.

c) Summer placement

- Collaboration with various industries / organizations helps the students to undergo short- term training and internship programmes during summer vacation period and semester break period.
- The college deputed M.Tech students to industries for taking up live projects and work at industry for short duration period.

d) Faculty exchange and professional development

Institute arranges workshops, Seminar and conferences at department and inter- department levels to exchange the ongoing research activity in the fields of national importance and industry needs.

Institute also deputed faculty to exchange their research expertise at workshops, conferences and training programs arranged at other colleges/organizations.

College also arranges frequently faculty development programmes, inviting resource persons from IIT, Hyderabad, NIT Warangal and other reputed Academic from IIT and NITs.

The following programmes are arranged during last 4years.

- i) Excellence in Teaching-Learning Process
- ii) Guidance and counseling for Teachers on their teaching individually
- iii) Instruction Design and Delivery Techniques
- iv) Student Feed Back and Performance Appraisal

e) Research

- Institute encourages the faculty to take up research projects offered by DRDO, AICTE, DST, UGC, MHRD and other State and Central Government organizations.
- Institute is also extending incentives to the faculty who publish papers in journals and conferences.

f) Consultancy

- The college has established consultancy cell and encourages the faculty to take up consultancy works and to extend services catering the needs of the society and industry/ companies.
- Department of Engineering Physics got DRDO project and actively engaged in offering consultancy like.

g) Extension

The following are some of the extension services taken up by the college

IBM Career Education Programme which aims at enhancing the benefits to the institute by providing right software tools to the students.

h) Publication

The institute encourages the faculty to publish their research outcome results in journals and conferences. *Details are presented in 3.1.7.*

a. **Student Placement**

Placement activities as on 14 September 2015

S. No	Workshop Title	Key Person	Dates
1.	TASK Awareness	Mr Vamsee Palle, Head-Training ,Telangana Academy for Skills and Knowledge	August 22, 2015
2.	Seventh Sense agency 'The benefits of CRT'	Mr Ravi Theja, Senior Manager, Seventh Sense	July 20 th , 2015
3.	Placement Orientation day Professional Skills Development	Mr Leo Tyron White- Talent Sprint spoke on	July 6 th ,2015
4.	Career Guidance Cell	Mr Satish Datla, Head –South India, Nasscom Qualification Standards for IT Industry	March 29 th , 2015
5.	Innovation and Entrepreneurship	Mr. Shankar Muralidharan, General Manager, Woxsen Business School	17 July 2014
6.	Developing the ecosystem for academic excellence	Mr. Abdullah, Former Executive Director, Power Finance Corporation and Motivational Speaker	14 Jan 2014
7.	Opportunities for education through the GRE route	Mr. Vijay, Zonal Head, Manhattan Review	7 Jan 2014
8.	Developing an Innovation mind set	MsRevathi, Senior manager Learning and Development, Cognizant Technologies	24 Feb 2014
9.	Where is the engineering profession heading: The challenges and opportunities that lie ahead	Mr. Ahmed, Head- South Operation- Talent Sprint	December 162013
10.	What does it take to crack the job market	MrNareshDubudu , Abhyas Corporation	Sept 11 2013
11.	Dr. Developing a global mindset	George Rancourt, Former Managing Director, Monster	August 15 2013
12.	R. Moving ahead of the curve: why industry –academia connect matters.	Sundaram, Campus Recruitment Lead	August 082013
13.	M.Latest trends in the IT Industry	M.S.R. Murthy, Delivery Head, TCS	August 042013
14.	Best Preparation methodology for CAT	SumanthPalepu, A Senior Manager with Conduira Education Services	July 092013
15.	Opportunities in the Finance Industry'	Aditya Lanka, IIM Kolkata alumni and a former consultant with Bloomberg	March 112013
16.	Latest advances in the IT industry	Madhu Murthy, former Vice President, Applabs and co-founder, Talent Sprint	Feb 152013
17.	Prospects in Infosys	Sunder Raman HR Manager, Infosys	Jan 252013

18.	Mr Foster professional communication skills August 10 th , 2012	MrPremDayal, Lead Manager Education & Research	August 10 2012
19.	One week training for students in the areas of Aptitude and Reasoning and Soft Skills/Communication Skills	Mr. Niranjana and Mr. Gangadhar of Career Conduit	16 to 22 nd Jan 2012
20.	MrThe Latest Trends in the IT Industry	Karthikeyan, Sr.HR Manager, Mphasis	March 192012
21.	In house JKC Training Classes	JKC Mentors	5 to 11 Jan 2011
22.	Communication and Soft Skills	Faculty Enablement Programme by Globarena in Association with IEG	Sept 202010

- Providing job market information and related inputs to students
- Pre- placement training from third year onwards by agencies like Talent sprint, Globarena Technologies and Time Institute.
- Personality Development Programmes and frequent Assessment Tests in Aptitude, Reasoning and Verbal.
- Evaluation of students by external assessment agencies such as Talent sprint, Amcat, Brain valley and Reference globe.

The Placement details during last 4years

Year	2014-2015	2013-2014	2012-2013	2011-2012
No of students Placed	126	182	113	107

New Courses introduced Increase in Intake

Year	New Courses Introduced	Increase in Strength
2014-2015	M.Tech CAD/ CAM-24	B.Tech - CE from 60 to 120 B.Tech - CSE from 180 to 240 M.Tech - ECE (ES) from 18 to 36
2013-2014	M.Tech in CS –18M.Tech in ECE –18/36 M.Tech in MECH (MD) 24B.Tech - CE60	B.Tech - ECE from 180 to 240 B.Tech - ME from 180 to 240 B.Tech - CSE from 120 to180
2012-2013	M.Tech in EEE –18	

i) Student exchange

Students are deputed to industries / research organizations during summer vacation for industry exposure and to take up the projects related to industry needs.

The departments organize state-wise and inter collegiate festivals, seminars and technical paper contests and students from various institutions exchange their ideas in thrust 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 the theory and practical applications which enhance the exposure to real working environment.

j) **Any other**

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

- The college has “Qualify Document” in which the planning, establishment and implementation procedures on Research and Consultancy are incorporated.
- The institute has a Research Committee. The functions and outcome impact are presented in Criterion-III, Item No.3.1.2.
- The college provides budget for in-house R & D every year.
- Institution provides seed money to undertake industry oriented student projects and in-house R&D projects by faculty.
- Workload will be reduced to senior faculty who involve in major R&D projects and consultancy.
- Faculty will be sponsored regularly to attend important workshops and seminars arranged by leading research organizations.
- Senior faculty of the departments get research projects, MODROBS, FDP and Seminar grants regularly enhancing the research culture in campus.
- Faculty members publish papers in reputed journals and the college sponsors them to present papers at Conferences / Symposiums at National and International level. The details are presented in Criterion-III, Item No.3.4.3.
- Motivational incentives in the form of cash awards along with commendation certificates are provided to the faculty who publish papers in reputed journals.
- Departments entered into MOUs with reputed companies and take up collaborative projects from industries and take up faculty exchange programmes.
- Faculty members are encouraged to offer consultancy services in design and testing of materials, electric meters etc. Details are presented in Criterion-III, Item No.3.5.4.
- College provides free transport to faculty for making field visits and industrial visits to meet the consultancy demands.

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

CRITERION - IV

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

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

The College has established policies and procedures to create and continuously enhance the infrastructure in the form of human resources (Faculty, Technical and Administrative staff), laboratory equipment, built-up place, learning resources, (print and electronic and teaching learning aids) by keeping the following objectives in view to promote Teaching Learning process directly and indirectly.

- To provide sufficient, good, airy academic and supporting spaces for effective teaching and learning.
- To have conference halls, meeting rooms, faculty cabins, digital library for effective teaching and learning.
- To use ICT for academic processes including Teaching & Learning
- To provide access to internet to students and faculty members.
- To develop class rooms, tutorial halls, departmental and central library and contents to meet the changing requirements of teaching learning.
- To develop labs as per curriculum requirement and also beyond the curriculum.
- To promote learning materials like Charts, Write Ups, Multimedia, Models, Virtual labs for enhancing the teaching learning
- To provide amenities like canteen, transport, playgrounds etc.
- The Annual budget is prepared as per the proposals submitted by the Departments based on the needs of the departments and the same is submitted to the Governing Body for its approval. After getting approval from the Governing Body, it will be deployed to the departments and they are made available to teachers and students.

The following guidelines shall be followed to finalize the purchase procedure:

- HODs will submit their budget estimations for the next year by Feb 28.
- Budget allocations will be intimated to the departments/ sections concerned.
- HODs will submit the list of required equipment/items for the department to the purchase committee.
- The purchase committee will call for quotations for the items of the equipments and prepare comparative statements.
- The purchase Committee along with Director/Principal and HOD concerned will finalize the indent for placing order to the lowest quoted firm.
- The account department will place the order.
- No advance shall be paid at the time of purchase order.
- However, when an advance is required to be paid at the time of purchase order, pros & cons will be duly weighed and decision will be taken.
- After receiving the equipment along with the bill, the department will test and verify as per specifications mentioned in the purchase order. The HOD will certify and forward the bills to the accounts department after entering in the departmental stock register.

- The accounts department after receiving the bills shall enter them in the central stock register and payment will be made to the firms.
- The department shall maintain one purchase register, and separate stock registers for recurring and non-recurring items for each laboratory.

4.1.2 Detail the facilities available for

- a) **Curricular and Co-curricular Activities** – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, specialized facilities and equipment for teaching, learning and research etc.

Details of classrooms, tutorials, seminar halls, library and laboratories:

Particulars			No.of Rooms	Total carpet area of rooms (Sq.m)
Class Rooms	UG	B.Tech	61	4135.03
	PG	M.Tech	16	614
		M.B.A	02	136
Tutorials			14	493
Drawing Halls			01	137.16
Seminar Halls	UG	B.Tech	06	845
	PG	M.Tech	-	-
		M.B.A	01	140
Conference room			02	
Computer centre			01	188.57
Library			02	1029.4
All Laboratories/Workshops			89	1125
Grand Total				

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, lighting is provided with good acoustics.
- Better Aspect ratio is maintained for proper visibility of glass board and audibility. All the class rooms of individual departments are at close proximity in order to have better access for the students.

Technology enabled learning rooms

- Each department in the college is provided with technology enabled classroom to facilitate active learning.
- Each room has a seating capacity of 60 and provided with LCD projector, Wi-Fi and LAN enabled internet connectivity, public addressing system etc.
- The Classrooms are also ideal for small seminars and workshops where the audio-visual facilities available help make presentations with a greater impact.

Seminar Halls

- Each department in the college has separate seminar hall to conduct conferences, workshops and symposia for students and faculty.
- Each seminar hall has a seating capacity of 200 and is fully air conditioned. It is equipped with LCD projector, LCD screen, white board and public addressing system.

Tutorial classrooms

- Each department has tutorial classrooms to conduct tutorial classes to address the personal level doubts and queries of the students.
- Tutorial class is equipped with glass board, wooden benches, fans, windows for air circulation and ventilation and tube lights for proper lighting

Laboratories

- All laboratories are well equipped, and well maintained not only for carrying out curriculum-oriented lab practical but also to carry out research activities.

Specialized facilities and equipment for teaching, learning and research

- The college has exclusive English communication skills lab with 63 numbers of Pentium IV/ Dual core systems and licensed software's like CAREER, English Language Lab Software, Aptitude, APSCHE, K-VAN Multimedia Language and GEMS.
- Central library has IEEE journals, ASME journals, DELNET (All branches of engineering), NLIST and Society for Networkingfor Excellence Technical education (SONET) CDs.
- Apart from the central library, each department is having separate department library with good collection.
- The college has provided web-based materials and 7000 hours of NPTEL PHASE-II video lectures by IIT teachers on 200 subjects, subscribed to INDEST-AICTE consortium IEL online material in the library for the use to both students and faculty.
- CBTS (Computer Based Tutorials) on 42 subjects are available
- E-learning facility is provided which covers a wide set of applications and processes, including computer based learning and virtual class room learning.
- For self learning, reference books for all the subjects are available in the central library.
- Co-operative Learning facility is provided in Central Library where students learn in mixed ability heterogeneous groups on academic tasks, discussion rooms are provided with network facility for this purpose.
- To promote the research activities, the college has established research centre.

b) Extra-curricular activities:

Sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc

Sports, outdoor and indoor games, gymnasium

- Vidya Jyothi Institute of technology strikes a balance between the axioms "Knowledge is Power" and "Health is Wealth".
- The college promotes sports and games and offers the individual an opportunity to enhance self knowledge, expression, personal development, courage and social interaction.
- To develop team spirit, leadership qualities and organizing abilities among the students, Sports & Games meets are organized regularly in the college. Students of all departments participate and prove their talents.

Facilities	Number available	
	Boys	Girls
Volleyball court	2	1
Basket ball	1	0
Tennis court	--	--
Throw Ball court	0	1
Tennicoit Court	0	1
Shuttle Badminton Court	1	0
Kabbadi Court	1	0
Cricket Court		
Chess Boards	5	3
Carom Boards	4	2
Table Tennis Boards	2	1

- Two qualified Physical Directors and one lady Physical instructor are on rolls to look after the day to day games and sports activities of the college
- The outdoor games such as Ball-badminton, volley ball, cricket, tennikoit etc. are also provided.
- A permanent basketball court with R.C.C. slab and two Lawn Tennis courts are provided with floodlight arrangements.
- A separate indoor games facility for playing shuttle, table-tennis, caroms and chess, is provided and it is being used by the students regularly.
- A new Amenities building is constructed and the facilities like Canteen, Games room, Gymnasium and Recreation-cum-Reading halls for both girls and boys separately are in place. The institute is also planning to construct a separate indoor stadium in the campus.
- The Institute encourages students in cultural activities by providing departmental associations, Literary Club, English Club etc.
- As part of this, the college encourages participation of its students by sponsoring them to various literary and cultural meets.
- Departmental Associations conduct events aimed at overall development of the students.
- Institution has provided literary and cultural rooms with needed audio visual equipment to conduct various activities for students.
- The Institution organizes a three day festival (PHOENIX) every year and conducts State Level Inter Engineering Collegiate Competitions in Technical Paper Presentations, Technical Exhibition, Literary and Cultural Activities, Sports and Games Activities.

Auditorium:

- The college has an open air auditorium with a seating capacity of 2000.
- Three seminar halls with a seating capacity of 500,200 and 100.

NSS:

- The College has a NSS Unit with a total strength of 150 members, affiliated to J.N.T.U. Hyderabad.
- The unit was established with an objective to cultivate the attitude of social service in the minds of students and to make them into responsible citizens.
- Our college NSS Unit has adopted a School in Himayath Nagar which is near to our college.

Public Speaking Communication skills:

- The college has separate English language communication skills laboratory provided with 63 numbers of Pentium IV/ Dual core systems and licensed software's like CAREER, English Language Lab Software, Aptitude, APSCH, K-VAN Multimedia Language and GEMS
- The focus is on training the students speak fluent, intelligible, appropriate, and functionally correct English through coaching in phonetics, role plays, describing exercises and debates.
- Advanced communication skills laboratory focuses on reading and writing skills and integrating these with speaking, listening and other intra and interpersonal skills

- Keeping in view of the growing importance of Soft Skills, the training and placement department is imparting Soft Skills to the student's right from I Year onwards. Along with regular subjects, a separate session is allotted to each branch for training on aptitude, verbal and soft skills.

Yoga, health and hygiene:

- The college organizes yoga classes for the faculty periodically by the yoga experts.
- The college maintains a four bedded medical centre with a male doctor and visiting daily and supported by one full time female medical assistant.
- Ambulance service is provided.
- RO plants are established in all the blocks.
- Campus is being maintained by Estate Manager ensuring maximum levels of safety.

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).

- Institute develops the infrastructure as per the norms of AICTE, University and State government.
- The experts from the regulatory authorities visit the Institute regularly.
- This enables the Institute to ensure the infrastructure adequacy and optimum use for academic growth.

Facilities Developed in the last four years and the amount spent:

Items	Expenses in 2014-15	Expenses in 2013-14	Expenses in 2012-13	Expenses in 2011-12	Expenses in 2010-11
Acquisition of lands & New buildings and infrastructure built up	1,36,15,295.80	1,05,22,300	51,99,796	94,81,851	99,09,500
Library books and equipment	4,89,425.50	9,63,104	8,15,013	3,05,325	2,25,973
Library E-journals, print journals, magazines	6,18,495		21,346	13,16,237.50	1,60,042
Laboratory equipment and	33,12,477	18,10,180	36,88,293	19,23,004.2	8,81,361.64

software				5	
Games and sports	5,30,807	2,33,987	3,36,777	3,68,663	41,919
Buses and cars purchase	95,29,548.42	94,25,569.31	71,87,396.50	43,20,218	42,36,302
Furniture	86,85,469	18,03,737	38,27,411	13,41,504	41,424
Administrative and other expenditure	11,21,90,685.44	13,83,16,811.69	65,75,319.66	6,68,79,637.25	6,50,11,253.36
Generator purchase	-	-	6,81,450	-	-

Infrastructure details of the institute:

S.no	Name of the building	Area
		In Sq.m
1	A-Block	4537.5
2	B-Block	3056.5
3	C-Block	13,371
4	N-Block	
5	S-Block	
6	Canteen	155
7	Work shops	893
8	Generator room	
9	Security room	10
10	Library	779.4
11	Seminar halls	985
12	Computer centre	188.57

S.No	Name of the Building			Area in Sq.m
1	A Block	I	Ground floor	1402.93
		Ii	First floor	1402.93
		Iii	Second floor	1402.93
2	C Block South wing	I	Ground floor	1022.4
		Ii	First Floor	1022.4
		Iii	Second Floor	1022.4
		Iv	Third Floor	1022.4
3	C Block Central wing	I	Ground Floor	1022.4
		Ii	First Floor	1022.4
		Iii	Second Floor	1022.4
		Iv	Third Floor	1022.4
		V	Fourth Floor	773.75
4	C Block North Wing	I	Ground Floor	1022.4
		Ii	First Floor	1022.4
		Iii	Second Floor	1022.4
		Iv	Third Floor	1022.4
5	B Block	I	Ground Floor	939.00
		Ii	First Floor	939.00
		Iii	Second Floor	939.00
6	Work Shops1,2,3,4	I	Ground Floor	792.75
7	Canteen	I	Ground Floor	250.00
		Ii	First Floor	250.00
8	Generator Room	I	Floor Ground	100.00
9	Stores & Workers Sheds	I	Ground Floor	200.00

Total Built-up Area 456920.6 42449.5

Future Planned Expansions:

- New Mechanical & Civil block with 1, 00,000 sq.ft. is planned for 2015-16.

Infrastructure plan for 2015-2016

S.No.	Infrastructure	Amount Budgeted
1	B-Block 2nd Floor	125 Lakhs (Approx)

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

- The college has taken care of physically disabled students. In this regard, lifts have been provided in the main block.

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

- Hostel Facility –
- Recreational facilities, gymnasium, yoga center, etc.
- Computer facility including access to internet in hostel
- Facilities for medical emergencies
- Library facility in the hostels
- Internet and Wi-Fi facility
- Recreational facility-common room with audio-visual equipments
- Available residential facility for the staff and occupancy
- Constantsupply of safedrinking water
- Security

Hostel Facility:

As there is no College hostel the other provisions are not applicable.

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?

- Students and staff are provided with free medical checkup, examination and treatment at health care centre in the campus.
- Ambulance service is provided

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

S.No	Common facility	Room No.	Area in sft.
1	IQAC	C110	200
2	Grievance Redressal unit	C312	300
3	Women's Cell	C110A	200
4	Counseling and Career Guidance	C312	300
5	Placement Unit	C312	300
6	Health Centre	B001A	300
7	Canteen	E001	600
8	Recreational space	B004	750
9	Safe drinking water facility	RO Sheds	250
10	Auditorium	C004	1000

Grievance Redressal unit:

The composition of the complaints-cum-grievance redressal committee shall be:

- Headed by senior Faculty member
- Heads of All departments
- A senior lady staff member from each department (if available)

Functions:

- To enquire into the complaints received from the aggrieved students including ragging.
- To recommend to the principal for appropriate action.

Counseling and Career Guidance:

- Mentoring system is implemented for the last three years.
- For every 20 students one faculty member is allotted as mentor.
- The mentor not only counsel the students but also inform to their parents about their wards,
- Slow learners and Irregular students will be counseled frequently by the mentors and HODs.
- All proceedings of the counseling shall be recorded and signatures of participants shall be taken.
- Counseling and Career Guidance Cell provides training to students on personality development skills.
- Cell conducts Orientation programmes to students by external agencies for educating them on their career building and higher education.
- The cell is headed by Training and Placement Officer (TPO), and supported by one faculty member from each department.

Objectives of the Cell:

- To create self confidence among students.
- To conduct frequent interactive sessions with students.
- To clear the doubts related to academic matters of the students.
- To create social interactions and compatibility among the students.
- During the first three months of admissions, this cell functions under the name Counseling and Guidance Cell for new students and encourages the new students in seeking its help.

Placement Unit:

- The department of Training and Placement cell was established with an objective of training the students on aptitude, verbal, puzzle solving and soft skills to make them more employable and providing placements to all students.
- The Department is headed by Training and Placement Officer , supported by one faculty member from each Department and one DTP operator'
- To prepare the students ready for Industry.

Functions:

- Preparing the database of the eligible students from all the departments and organizing various training programmes by internal trainers and training by external agencies.

- Inviting the experts from industry to deliver lectures on various technologies at regular intervals to the students.
- Organizing On-Campus and Pool-Campus Drives for the eligible students.
- Obtaining feedback from the industry and facilitate to incorporate the required topics in the subsequent training programmes etc
- T&P Cell formulated a committee with a faculty coordinator from each discipline and a student coordinator from each section. This committee discusses on various training needs, testing patterns and employment opportunities.

Health Centre:

- The college maintains a four bedded medical centre with a male doctor visiting daily and supported by one full time female medical assistant.
- Ambulance service is provided.
- One State Government Primary Health Centre and two private Medical colleges with attached Hospitals are available within 2 km radius.

Canteen:

- Hygienically maintained canteen facility with a seating capacity of 200 is available in the campus

Recreational spaces for staff and students:

- Recreation halls for both girls and boys separately provided in the amenities block.

Safe drinking water facility:

- Purified water is supplied to all academic blocks, canteen and hostels.
- Storage capacity : 3000 liters SS container:
- Filtration Capacity : 1000 liters /hr
- Treatment ; UV-RO treated oxidized
- Usage water Storage tanks : 4 numbers with a total capacity of 64750 liters
- Drinking water Storage tank : 2 numbers with a total capacity of 3750 liters
- Method of distribution of water : Academic Premises with 10 water coolers

Auditorium:

- Auditorium with capacity of 500
- Open air auditorium with a seating capacity of 2000 is provided in the campus



4.2 Library as a Learning Resource

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

Yes The library has an Advisory Committee.

- The committee is intended to plan and coordinate the execution of the requisite procedures for the functioning of the library.
- It takes up the process of identifying, planning, and procurement of the books, journals, manuals etc.
- It ensures the up gradation of the library to keep pace with the technological developments.

Composition of the Advisory Committee:

The library advisory committee comprises of

- Director – Chairman
 2. Coordinator- Librarian
 3. Members- HoDs or their Nominees
 4. One Student from each Department

Significant Initiatives of the Committee:

- The committee monitors the allocation of funds for the books, journals, manuals etc. and the digital processing of information, including on-line journals.
- It also expected to monitor the student and staff utilization of the library.
- The committee shall take into consideration all the procurement criteria, and rules and regulations of the library management, including cataloguing and access-administration.
- The committee shall look into the indents of the departments and the purchase mechanism with multiple volumes wherever necessary.
- The committee is expected to submit the minutes of its meetings along with observations, suggestions, if any and resolutions to the college management committee for further processing. The chairman and the members of the committee shall undertake all the operations in coordination with the Librarian and other Library personnel.

The following items fall under the purview of the committee.

- Ascertaining the number of books and journals available in the library
- Ascertaining whether the catalogue is up to date or not
- Budget planning for the year
- Budget utilization of the previous year
- Distribution of funds allocated for books, journals, periodicals etc.

- Purchase mechanism for the central library
- Infrastructure like tables, chairs, shelves, book racks etc. and their maintenance, fund allocation for the infrastructure and its utilization
- functioning of the digital library
- Student and faculty utilization of the library
- Effectiveness of the open access system
- Student behavior with the books
- Timings and any suggestions
- Awareness activities of the library
- Areas that need to be improved in the library

4.2.2 Provide details of the following:

- Total area of the library
(Central and A&B Block Library in Sq. Mts.) : 1029.4 Sq.Mts
- Total seating capacity : 200
- Working hours (on working days, on holidays, before examination days, during examination days, during vacation) :

On working days	: 8.00 AM to 6.00 PM
Before examination days	: 8.00 AM to 8.00 PM
On holidays	: 10.00 AM to 2.00 PM
- Layout of the Central library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

West wing: Text book section, Book bank for SC/ST, Back Volumes, Project Reports

East Wing: Reference section, and Resource Centre

Central Wing: Reading Section, Circulation section, News Papers Journals and Periodicals,

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

The Library advisory committee reviews the requirement received from various departments and recommends the same to the college management committee for further processing. The Institute gets the all reading material well in advance of the commencement of academic year.

Details of the amount spent during the last four years:

Library holdings	2014-15		2013-14		2012-13		2011-12		2010-11	
	Number	Total cost	Number	Total cost	Number	Total cost	Number	Total cost	Number	Total cost
Text books and reference books			2992	976967.51	1877	514840	877	198689.50	1396	326318.65
Journals/periodicals		331779		311779		316779		304849		197300
e-resources										

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

OPAC

- An OPAC (Online Public Access Catalogue) has been created and about 40 terminals are provided to facilitate its access. It is also made available via LAN in the campus.

Electronic Resource Management package for e-Journals

- Central library has IEEE journals, ASME journals, DELNET (All branches of engineering), NLIST and Society for Net working for Excellence in Technical education (SONET) CDs.

Federated searching tools to search articles in multiple databases

- A web based search engine is available to search articles in multiple databases and it is an emerging feature of automated, Web-based library and information retrieval systems.

Library Website

- Library information is available on Institute website.

In-house/remote access to e-publications

- Both Faculty and students can access to e-Publications like E-journals, E-books and NPTEL Resources through LAN or Wi-Fi connectivity.

Library Automation

- All the data relating to the Library is computerized and bar coding has been introduced.

Total number of computers for public access

- 15 computers are available for public access in library

Total number of printers for public access

- One printer is available for public access in library

Internet band width/speed

- Internet band width in the library is 12mbps

Institutional Repository: Yes

Content management system for e-Learning

- Central library has IEEE journals, ASME journals, DELNET (All branches of engineering), NLIST and Society for Net working for Excellence in Technical education (SONET) CDs. Video Courses

NPTEL, MIT, Stanford, Harvard and Learning ware Materials for Engineering Programme are available.

Participation in Resource sharing networks/consortia (like In flibnet)

- DELNET

4.2.5 Provide details on the following items:

- Average number of walk-ins : 180
- Average number of books issued/returned : 45
- Ratio of library books to students enrolled : 1:10
- Average number of books added during last three years : 1915
- Average number of login to opac (OPAC) : 42
- Average number of login to e-resources : 26
- Average number of e-resources downloaded/printed : 21

4.2.6 Give details of the specialized services provided by the library

- Manuscripts : No
- Reference : Yes
- Reprography : Yes
- ILL (Inter Library Loan Service) : Through DELNET
- Information deployment and notification : Library deploy information in the form of video courses, web courses, question banks, department exercises, notes, project reports, case studies and university question papers
- Download : Yes (E - Journals, E books etc.)
- Printing : Yes
- Reading list/ Bibliography : Yes
- compilation : Yes
- In-house/remote access to e-resources : Orientation and awareness seminars are organized for faculty and students.
- User Orientation and awareness : Yes
- Assistance in searching Databases : DELNET
- INFLIBNET/IUC facilities

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

The Library staff always extends their services to the student and teachers of the college to look after in various aspects mentioned below.

- Library staff issue books, journals, new arrivals to the students and faculty
- Library is open beyond institute hours for students
- Library has well furnished students study center with a capacity of 200
- Call facility for **on demand book** is available in library
- Book bank facility is available to the students
- Library staff displays the important media notifications
- Library organizes book exhibition for student & staff
- Downloading and preserving the hard copy of study material
- Issue of books to departmental library
- Special rights are given to faculty/students to access the e-Journals, Periodicals & Reference books
- Inter library loan facility provided to the students and staff
- To facilitate the STOP/START mode of e-learning, discussion rooms are established.

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

- Library staff helps visually/ physically challenged persons for the book issue as well they provide the library facility on need basis as & when required
- Special rights are given to them to access the e-Journals
- Special book bank service is offered to the physically challenged persons

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

- Yes, library collects the feedback from its users
- The feedback is collected from students regularly in a special designed format
- A feedback box is kept in the library to get feedback from staff and students at any point of time.
- Exit feedback is collected from the students regarding the library facility available in the campus.
- The feedback information analyzed by the library advisory committee is utilized for further improvement of the library.

4.3 IT Infrastructure

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

1. Number of computers with Configuration (provide actual number with exact Configuration of each available system)

S.No	Configuration of systems	No. of systems
1	i3 System (I3-2120 CPU@3.30GHz), 4 GB RAM, 500 GB HDD	185
2	Core 2 DUO 2.53 GHz, 2 GB RAM, 320 GB HDD	475
3	Dual Core (1 st & 2 nd Generation 2.70/3.0/3.2 GHz etc.,) 2 GB RAM, 160/320 GB HDD	369
4	P- IV Systems (1.6/2.6/3.0 GHz etc.,) 1 GB RAM, 160 GB HDD	126
Total no. of systems		1155

2. Computer-student ratio
UG- 1:4 PG - 1:2 -
3. Stand alone facility:
50 systems are provided with stand alone facility
4. LAN facility
All computing labs are provided with LAN facility
5. Wi-Fi facility:
Wi - Fi facility is available in the institute with 300 Mbps speed within the college campus.

Specifications:

- I. INDOOR ACCESS POINT –15 No's**
802.11 b/g/n high power wireless access point for 300 Mbps speeds.
- II. POWERBACK-UP MODULE - 16 No.'s**
12.5KV& 10KV power back-up Module with charger and POE support for 24 hrs.
Period.

6. Licensed Software

Department	LicensedSoftware
Civil Engineering	AUTOCAD
Electrical and Electronics Engineering	MATLAB 6.5, Simulink 5.0, Control System tool box, Multisim 2001, Caspoc2005, PSCAD X4 Academic, MATALAB 7.14, Control System Toolbox 9.3, Simulink 7.9, Simscape 3.5, Sim power System 5.6
Mechanical Engineering	Autodesk Inventor Series 6, Algor Nastran, Solid Edge, Pro E CREO, Gibbscam
Electronics and Communication Engineering	XILINIX Active VHDL, Xilinx 6.2 I (Multiuser), Xilinx iSE 6.3i (Multiuser), Xilinx iSE 7.1i (Multiuser), MATLAB Software V.7.4, MATLAB 9.14, Signal Processing Tool Box, DSP Tool Box, Image Processing Tool Box, Communication Tool Box
Computer Science and Engg.	MSDN Academic Alliance 7.0, Linux (open License), Rational Rose Suite, Micro Media Studio Mx Olp, Paint Shop Pro, MS FrontPage 2003, Adobe Photoshop Cs v8, Microsoft Sql Server Cal, Microsoft Sql Server, MS Visual Studio Net 2003,, Oracle 9i Internet Developer Suite (9.0.2.0), Softech Cobol, Borland Turbo C++, Microsoft Visual Studio 6.0, Suse Linux Suite, Linux 5.0 (Ser), Fedora 17, e Swecha, Ubuntu (14.4), Windows XP, Windows 2003, Windows 2008, Windows 7
Information Technology	
Basic Sciences and Humanities	English Language Lab, Career Lab (Digital Mentor) Aptitude Lab, Foundation Course in Communication Skills from APSCHE, K-van Multimedia English Language Lab, Globarena E-Monitoring Systems (GEMS)

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

- Internet service is available for both faculty and students in the campus
- 60 systems are provided with internet facility in the central computing centre
- All the departmental computing centers are provided with internet facility
- 25 Systems are provided with internet facility in the central library
- The College provides internet facility to staff members at the respective departments in order to access the required study material from available e-resources and present them as part of their teaching 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 within the campus.
- Un-interrupted power supply is made available in the campus so that the students and staff can access the internet without any interruption

Specifications:

- Internet Provider : TATA, Bharath Sanchar Nigam Ltd and Airtel.
- Total Band width : 24 Mbps broad band connections.
- 20 Mbps broad band leased line : Entire college
- 4 Mbps : Examination branch

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

- Computer systems are upgraded with latest configuration once in Two years.
- Individual up gradation of the computers is taken up as per the need and requirements of the various departments.
- Enough provision is made available in the annual budgets for the procurement of the computer systems.
- Once new systems are procured, they replace with the existing systems as per the requirements of the departments.
- All the computer systems in the campus are regularly monitored by the system administrator and maintenance staff.

- The trouble/problems experienced by the computers in the various laboratories are entered by the lab programmers/technicians in the complaint register which is kept in the central office.
- The maintenance staff will then goes to the respective labs for identification of the problems and resolves the same at the respective places.
- In case of major problems i.e. replacement of component/part during warranty they are sent to the respective service centers and got replaced at the earliest.
- The institute is provided with total Nine servers among which the Computer center is provided with Four servers of different capacities to cater the computer requirements.

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

Amount spent for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution during last four years:

	2014-15	2013-14	2012-13	2011-12	2010-11
Amount Spent	1397454	37,03,308	31,47,929	11,13,657	2,28176

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 with internet facility for preparation of teaching/ learning materials in their respective departments.
- Each department has its own computing facility based on the curriculum demand. Number of computer laboratories and number of computers in each laboratory vary from department to department.
- The faculty and students can access e - resources available in the library through Wi-Fi facility and also through computing facilities available with each department.
- Adequate Multimedia projectors, OHPs are available within the college for the faculty use.
- Each department in the institute has individual seminar halls provided with LCD projector, PA system and internet facility.
- In addition each department has separate e - class room with all multimedia facilities.

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

- The institution acts as a facilitator for e-learning material (NPTEL video lectures) and the accession of online lectures of various experts from IITs, NITs and Reputed institutes.
- E-class rooms are provided in the departments for this purpose.
- Institute has collaboration with IUCEE. Periodically webinars are conducted through IUCEE.
- Institution has applied for the remote center to IIT Bombay for Akash Projects.

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

The Institution has applied to IIT Mumbai for National Knowledge Network Connectivity

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)?

- Based on the requirement from head of the departments and the concerned in charges, about 10% of the total budget is allocated for maintenance and upkeep of the facilities like building, furniture, equipment, computers, vehicles etc.

Amount spent for maintenance of facilities during the last four years:

Items	Expenses in 2014-15	Expenses in 2013-14	Expenses in 2012-13	Expenses in 2011-12
Building	1,36,15,295.80	1,05,22,300	51,99,796	67,42,024
Equipment & computers	33,12,477	17,22,680	31,47,929	4,55,920.25
Vehicles	95,29,548.42	52,20,314.31	43,87,481.50	-
Any other (Administrative and other expenditure)	12,98,19,581.90	13,85,02,929.80	9,90,10,315.20	6,84,96,937.75

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

- Matters concerning the maintenance of buildings and infrastructural facilities, the HODs or the concerned in-charge will make a requisition to the Principal which will be forwarded to the Estate Manager.
- The Estate Manager will submit the proposals to project officer.
- The project officer discusses with the Secretary and Correspondent, take their approval and attend to the work at the earliest possible time.
- For items of works costing more than Rs.10, 000/-, he will submit estimates along with quotations.
- Regarding furniture, a requisition shall be made to the Principal by the HODs/in-charges; it will be forwarded to Administrative Officer (A.O).
- A.O. will discuss this with Secretary and Correspondent and take necessary

Building Hygiene:

- Sweepers are allotted for a particular area for cleaning. Every day the sweeper has to sign in the register to confirm that he/she has done the duty. The supervisor should attest the same.

Duties of Sweepers:

- Cleaning of class rooms, corridors, floor cleaning of laboratories, staff rooms and other areas allotted
- Dusting of furniture and windows in the class rooms and also cleaning of glass boards.
- However, dusting of departmental furniture/equipment/machines shall be done by department attendee's and lab technicians.
- Swabbing of corridors
- Clearing cobwebs in the corridors, class rooms and other areas, except department labs.
- Supervisors shall personally supervise the work and lock the class rooms after he is satisfied with the work.

Toilet Hygiene:

- Scavengers will clean the each toilet four times a day, which should be checked by supervisor concerned.
- Care is taken in providing exhaust fans, daily cleaning with phenol or detergents and naphthalene balls.

Class Rooms:

- Use of non-dust chalks.
- Daily sweeping of class rooms.
- Wet cloth cleaning of benches (at least twice a week).
- Black board cleaning (with wet cloth daily).
- Dust bins are provided in corridors and open areas.

Floors:

- Daily sweeping and wet cleaning.
- Common dust bins are provided at various locations in each floor. Supervisor will take care.

The following registers shall be maintained for the above:

- Sweepers - log book/log sheets
- Scavengers - log book/log sheets
- File for work assignments - sweepers and scavengers.

Laboratories-Equipment-Maintenance

- Preventive maintenance is followed.
- Lab Attenders will clean the Lab equipment every day under supervision of lab assistance
- Periodical checkups and calibration of equipment in all laboratories.
- Stock verification is being conducted in all laboratories every year.

Computing Facilities-Maintenance & Utilization

- Computing facilities are provided as per the AICTE norms, even extra computers are provided to meet the practical requirements.
- Internet connectivity with a total of 24 Mbps band width is provided.
- All the computer systems in the college are on LAN with OFC backbone.
- Computing facilities are made available to the students for at least 12 hours a day and WiFi enabled facility shall be provided.
- The number of computers to be made available will be as per the requirements.
- A team of technicians with in-charge faculty takes care for the maintenance of computers.
- Necessary Licensed software are procured.
- Servers like LINUX, WINDOWS, Web Servers, Database etc., are provided.
- Additional projects are taken up by the students for optimum utilization of the facilities.

Library:

- Library is maintained by a Librarian and two assistant Librarians. The process is monitored by Library Committee.
- Library maintenance is computerized and automated with regular/constant up-keeping
- Individual Departmental Libraries are integrated with Central Library for accessing Digital Learning Materials
- Regular swabbing of the Library floors, regular cleaning of the racks, up-keeping the quality of the books with needed binding are in place

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

- The departments take the initiative to calibrate the precision instruments for their optimum and assured performance, once in three years
- Faculty members take master readings once in a semester to ensure proper working of the equipment.

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 Departments take steps to protect sensitive instruments from mechanical and electrical damage, so that they render optimum and assured performances
- All these instruments are protected from voltage fluctuations and power outages through the use of off-line and dedicated on-line UPS
- An exclusive 11 KV Electrical distribution sub-station with 200KVA Transformer was erected on the college premises with the following particulars:

Particulars	Capacity	No.s
Transformer	200 KVA	1
Main Circuit breaker	800KVA	1
Bus bar chamber	3 phase, 1000 Amps	1
Distribution panel	250amps, 200amps, 200amps, 200amps, 125amps	5
Change over switch	400amps	1

Generator Power Backup: 2 Generators

- One generator of 125 KVA capacity,
- One generator of 100 KVA capacity, are provided for power backup in the campus

UPS Power BACKUP

- No. of UPS System : 11 UPS in different capacities
 - Total Capacity of Power Backup : 151 KVA
- An exclusive electrical maintenance section works under HOD EEE Dept. for the college and two technicians to look after the electrical equipment erection, testing and commissioning.

Supply of Water:

Supply of purified drinking water to all Academic Blocks, Hostels and Canteen.

- Storage capacity : 1250 litres SS container
- Filtration Capacity : 500 litres / hr
- Treatment : UV - RO treated oxidized
- Usage water Storage tanks : 3 Nos with a total capacity of 4000ltrs.
- Drinking water Storage tank : 3 Nos with a total capacity of 3000 ltrs.
- Method of distribution of water : Academic Premises - 15 water coolers

CRITERION-V

STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

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

YES.

The College publishes prospectus/ handbook every year which comprises the information about vision and mission of the college, discipline of the college, Teaching & Non-teaching staff, Technical Society, General information, admission procedure, important academic information regarding JNTU(H) regulations, rules and regulations of the college and other facilities available the college. It gives a bird's eye view of the college.

The college publishes CARTWHEEL magazine which is by monthly newsletter which provide the information about student events like seminars, Workshops conducted, Orientation & Awareness Programmes, Professional society events, departmental association activities, activities of students and faculty members. It is given to the students at the time of their leaving the college. In addition, the departments publish quarterly/half-yearly new letters.

Student mentoring system is strictly maintained in all the departments. Each 30 students one mentor is allocated. Apart from mentors students in each class are monitored by an academic coordinator and class in charges. Each mentor of the class

- maintain entire academic and personal record of each student
- interact with each student personally and guide them proper direction for their academic growth
- Monitoring class attendance
- Monitoring mid marks
- Interacting with parents and informing to parents about students attendance
- Motivate the students to attend the classes regularly

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?

YES

The financial aid was available and disbursed on time.

Table 5.1

Details of financial Assistance given to the students by the College

Year	No of Scholarships	Amount (Lakhs)
2015-16	-	-
2014-15	1630	17538150
2013-14	1490	55210750
2012-13	1221	43511400
2011-12	1036	33854000
2010-11	976	25339600
	6353	175453900

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

Table 5.2

Details of financial Assistance (Fee reimbursement) from A.P./T.S State Govt.

Catego ry	2010-11 Admitted students	Fees Rs	2011-12 Admitted students	Fees Rs	2012-13 Admitted students	Fees Rs	2013-14 Admitte d students	Fees Rs	2014-15 Admitted students	Fees Rs
SC	180	5403000	181	5946400	207	8508900	259	11328300	280	4117600
ST	72	2216900	81	2752900	104	3730800	130	6140400	155	2214400
BC	504	10845100	551	18116900	657	22771800	769	26950850	834	7835900
EBC	216	6776500	220	6939700	252	8467200	332	10758500	361	3370250
PHC	4	98100	3	98100	1	32700	0	32700	0	0
	976	25339600	1036	33854000	1221	43511400	1490	55210750	1630	17538150

5.1.4 What are the specific support services/facilities available for SC/ST, OBC and economically weaker sections

- All SC /ST students receive financial assistance in the form of tuition fee, maintenance charges and pocket money from the Government as per the Government regulations.
- The college library has book bank facility from which SC, ST students can borrow additional books.
- OBC Students also receive financial assistance in terms of tuition fee and maintenance charges.

- EBC students also receive financial assistance from government.
- The college arranges additional training / remedial classes for academically lagging students.
- Class mentors take special attention of slow learners, identifying their academic deficiencies etc..

Physically challenged / other disabled students?

- Physically challenged students have a provision of availing additional time during examinations.
- Examination will be conducted in the ground floor.
- The College is providing lift provision and special toilets suited to them.

Overseas students

- There are no overseas students in this college

Students to participate in various competitions/ conferences in India and abroad

- The college extends financial support to students participating in various competitions/ conferences in India and abroad.
- About 40% of the students participate in various events organized outside the college.
- Good number of students secures prizes in Inter University, and Inter Collegiate events.

Medical Assistance to Students: Health centre, health insurance etc.

- The college has a medical centre with four beds.
- A male doctor visits daily. The centre has one full time medical assistant on its rolls.
- Accidental Insurance scheme is extended to all the students.
- The centre has its own van facility.

Organizing Coaching Class for Competitive Examinations:

- In house GATE coaching classes are conducted by both internal and external faculty.
- In addition, the departments provide guidance to their students preparing for competitive examinations like CAT/GRE/TOEFL.
- The college has sufficiently well stocked library books for CAT/GRE/ TOEFL

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

- The college has the following laboratories to enhance students skills:
- **ELCS Lab:** for developing communication skills.
- **AELCS Lab:** to enhance students oral and writing skills, and Software's for improving their skills in Spoken English, computer literacy, etc.

Support for slow learners:

- Remedial classes are arranged for the slow learners. Student mentors continuously monitor their progress.

Exposure of students to other institutions of higher learning/ corporate / business houses, etc.

- Students are encouraged & guided to participate in events organized by other institutions.
- Industrial visits are arranged for the students for practical exposure.
- Workshops on entrepreneurship development are organized to enhance the interests of students to start their own business/industry

Publication of student magazines

- College publishes a monthly magazine “Cartwheel.”

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

EDC of the institute is committed to the cause of encouraging entrepreneurship among students. The center invites various renowned entrepreneurs to share their experiences.

Lectures and awareness programs are regularly conducted to enlighten the students about the joys and problems of entrepreneurship. Guest lectures are conducted throughout the year to involve the students in the various activities.

- VJIT EDC Cell was inaugurated on 8th. March’2014 by **Dr. T. Rammohan Rao, Professor, Dept. of Mech Engg. & Coordinator IEDC, Vasavi Engineering College.** A one day awareness program was organized for all the engineering dept. faculty.
- A one day seminar on “Role of Public Sector Banks” in setting up small and medium industries was organized on 28th. June’2014. **Mr. Vishnu Aditya, SME Enterprises Marketing Officer, Canara Bank, Hyderabad** addressed the seminar.
- Mr. Shankar Muralidharan, General Manager, Woxsen Business School, anchored a workshop on **Innovation and Entrepreneurship** on 17.07.2014 he gave a broad overview on the importance and impact of an innovative mindset.
- A Seminar on **Grass-root level Innovations * & Entrepreneurial opportunities** by **Brig. Ganesham ,Founder of PalleSrujana& Honeybee network** for the students on 22nd August 2014 was arranged. Brig Ganesham stressed students to pay closer attention to the creative potential of our society and try to add value to the grassroots innovations to enable commercial or social diffusion. Brig Ganesham has explained about the gross root level innovations that can be carried out in rural villages. The overall seminar gave an overview on about how to become an entrepreneur with the gross root level innovations. *Innovations can and do happen in the nearest of the villages around you !*
- A one day demonstrative seminar was organized on 25th. July’ 2015 for III & IV year Mech. Engg. Students on “scope of self-entrepreneur opportunities in Non Destructive Technology (NDT)” by Mr. B. Srinivas, Manager, Training, Kalva Engineers Pvt. Ltd, Hyderabad

Students participation at various events

S.No.	Name of the student	Program	Venue.
1.	P Ajay and B Santosh Pawan Kumar of III year ECE Department	Global Student Forum (GSF) ,World Engineering Education Forum (WEEF)	University of Florence, Italy
2.	10 students from 2 nd & 3 rd year students have participated	August fest 2015 29 th & 30 th August 2015 India's largest startup's Conference	JRC Convention center Hyderabad
3.	K Sai Kiran – IV Mech	Innovation Corridor Feb' 2015	Vasavi College of Engineering
4.	B Vamshi Krishna – III Mech	2 day work shop on Entrepreneur Awareness program.	CVSR College of Engineering.
5.	5 students from 2 nd & 3 rd year students have participated	August fest 2014 23 rd August 2014 Entrepreneurship startup demos	Hitex Hyderabad
6.	30 students from 1 st , 2 nd & 3 rd year have participated	Woxen Business School Entrepreneurship Bootcamp on 3rd August 2014	Hotel Katriya, Raj Bhavan Road.

Students participation at JNTU EXCITE Programme and won seed money of Rs45000/- from HYSEA & TASK for the project named *Health Care Solution for Smarter City ViaUnic ID*.

Entrepreneurship Committee

S.No.	Name	Position	Department
1.	Mr M S Gowtham	Coordinator	Mechanical
2.	MsSuneelaBharathi	Member	MBA
3.	Dr V Venkata Krishna	Member	CSE HOD
4.	Dr M Krishna Rao	Member	ECE HOD
5.	Prof Sree rami reddy	Member	Mech HOD
6.	Prof Srinivasulu	Member	IT HOD

Objectives of EDC

- To organize Entrepreneurship Awareness Camps, Entrepreneurship Development Programs, Faculty Development Programs and Skill Development Programs in the college/institution for the benefit of students
- To motivate and develop entrepreneurship among the students

- To initiate innovative student projects each year for new innovative product development
- To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.
- To facilitate creation of entrepreneur's club in each college to foster culture of entrepreneurship amongst students

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

Promotion of participation of students

Sports & Games

- Provides Sports Track Suit to students for participating in major tournaments.
- Encourages participation in inter collegiate tournaments conducted in Cricket, Volleyball, Basketball, Tennis, Table-Tennis, Athletics etc.,
- Presents merit certificates and mementoes to winners and runners in intramural competitions for boys & girls in College Annual Sports Day celebrations.
- Encourages participation in co-curricular activities.
- Provides TA, DA to students participating in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debates, cultural activities etc.
- Due consideration in respect of attendance for students participating in important literary, cultural or sports events outside the college.
- Conducts inter collegiate tournaments, cultural competitions by organizing state level fest known as “PHONEIX” every year.
- Conducts coaching camps to enhance their capabilities in sports and games events.
- Honoring best outgoing sportsman and sportswoman with “gold medals”
- Various “Cash Awards” are given in the tournaments conducted in and outside the college.

Co-Curricular & Curricular Activities

S.No.	Name of the student	Branch	Name of the Topic/Event	Name of the Institution
1	George Koshy	CSE	19 th Rank in B.Tech First Year Examinations	JNTUH
2	K.Karthik	IT	Won \$500 for Reporting a vulnerability threat	Facebook
3	Saanya Gandhi	IT	Got selected as Google Student Ambassador	Google India
4	V.Vishwanath	ME	Awarded Rajiv Gandhi National Ujra award for paper presentation on Turbines	New Delhi
5	B.KrishnaKoundanya	EEE	Received cash award of Rs. 4000 for paper presentation "Leadership Styles"	ISTE
6	Omkarchowdary P.Gauthami K.Pavan Kumar	CSE	Member of Microsoft student partner	Microsoft
7	Omkarchowdary P.Gauthami K.Pavan Kumar	CSE	Won Apple i-phone	Microsoft contest
8	Omkarchowdary	CSE	C-programming skills, 1 st place	JNTU Jagithyala
9	Omkarchowdary Karthik Das	CSE	Won windows phone in "IUNLOCKJOY" contest	Microsoft
10	Yeshwanth	EEE	2 nd Prize for a model on "Robot"	IIT Kharagpur
11	Sravanthi	EEE	1 st Prize in Essay writing	Ramachandra mission
12	B. Sindhu Tejaswini	IT	Paper presentation, 3 rd position	UCE,OU
13	HeenaAfroz	IT	Paper presentation, 1 st position	SGIT
14	B. Sindhu Tejaswini	IT	Paper presentation, 1 st position	SGIT
15	B. Sindhu Tejaswini	IT	Leader Discovery' 12	New Delhi
16	S. UjwalTej	IT	Paper presentation	CVSR
17	N. Abheeshna	IT	Paper presentation	CVSR
18	M Sanjay Krishna Rao	IT	Paper presentation, 1 st position	VJIT
19	DivyaRupa	IT	Poster presentation, 1 st Position	VJIT
20	B. Sindhu Tejaswini	IT	Instill Design, 2 nd Position	VJIT
21	B. Sindhu Tejaswini	IT	Technical quiz, 1 st Position, Infinity 2K13	UCE,OU

22	HeenaAfroz	IT	Paper Presentation, 2 nd Position, Sagar Tech Fest'13	SGIT
23	B. Sindhu Tejaswini	IT	Paper Presentation, 2 nd Position, Sagar Tech Fest'13	SGIT
24	V Shravan Kumar	IT	Swecha'12	VJIT
25	B. Sindhu Tejaswini	IT	Paper Presentation, 1 st Position, Talentine'13	KG REDDY
26	B. Sindhu Tejaswini	IT	Swamy Vivekananda Anniversary	New Delhi
27	B. Sindhu Tejaswini	IT	National Green Corps	APPCB
28	M Sanjay Krishna Rao	IT	Microsoft Appfest'13	VJIT
29	B. Sindhu Tejaswini	IT	Cyber Cure Solutions'12 workshop	KG REDDY
30	B. Sindhu Tejaswini	IT	Vandemataram Youth Front	Secunderabad
31	S. UjwalTej	IT	Paper presentation, Aagama 2K12	CVSR
32	N. Abheeshna	IT	Paper presentation, Aagama 2K12	CVSR
33	N. Abheeshna	IT	Coartha Tech Solotions	Coartha Tech Solutions
34	B Diwakar	IT	VchangeU, State Tobacco Control Cell	People's Plaza, Hyderabad
35	S. UjwalTej	IT	VchangeU, State Tobacco Control Cell	People's Plaza, Hyderabad
36	S. UjwalTej	IT	Innovation Forum-12	Mumbai
37	Yeswanth J	IT	UXINDIA'12,International Conference	Hyderabad
38	Yeswanth J	IT	UXINDIA'12,International Conference	IIITH
39	Yeswanth J	IT	Innovative Challenge '12, International Conference	Hyderabad
40	Yeswanth J	IT	Paper Presentation, Aagama 2K12	CVSR
41	Yeswanth J	IT	Mission R&D'12	Hyderabad
42	Yeswanth J	IT	Techease'11	IIITH
43	Yeswanth J	IT	Horizon, MBS Group	Hyderabad
44	Kireeti R	IT	Dream Spark Yatra	SR ENGG COLLEGE
49	Gayatri	CSE	Paper Presentation	BITS-Hyd
50	Pranitha	CSE	Paper Presentation	BITS-Hyd

51	Raghavendra	CSE	Paper Presentation	BITS-Hyd
52	Sai harish	CSE	Pheonix-14 LAN-Gaming	VJIT
53	Aneesh	CSE	CODE-Cracker	CVSR
54	Harshitha	CSE	Key-Buzz	MGIT
55	George Joshi	CSE	Paper Presentation	CBIT
56	AksharaVarsha	CSE	See into C	MGIT
57	Chowdeswary	CSE	Code-Cracker	MGIT
58	I.Keerthana	CSE	Paper presentation, Verve-2015	GNITS
59	I.Keerthana	CSE	Ekalavya-2014	MGIT
60	G YashwantShaury, Narayan Lal,	ME	Built a walking chair	VJIT,Hyd
61	K.Prasanna	ECE	Paper Presentation	MGIT,Hyd
62	P.Srinivas Reddy	ECE	Texas Analog Design Contest	VJIT,Hyd
63	D.Naveen Raj	ECE	Texas Analog Design Contest	VJIT,Hyd
64	J.Vivek	ECE	Texas Analog Design Contest	VJIT,Hyd
65	N.Venkatesh	ECE	Texas Analog Design Contest	VJIT,Hyd
66	D.Vinod Kumar	ECE	Texas Analog Design Contest	VJIT,Hyd
67	P.Anurag	ECE	OSA Short courses	OSA,Bangalore
68	P.Srinivas Reddy	ECE	National Level Workshop	NIT,Goa
69	B.SaiTeja	ECE	Techno Quiz Contest	VJIT,Hyd
70	D.Eswar Goud	ECE	Volley Ball-Runners	JNTUH
71	B.Sainath	ECE	Badminton	JNTUH
72	P.Kranthi Kumar	ECE	Chess	JNTUH
73	B.Arun Kumar	ECE	Maze-Robotics	MJCET
74	B.Arun Kumar	ECE	All Terrain-Robotics	MJCET
75	B.Arun Kumar	ECE	Robotics-Robo Sumo	RRSCET
76	C.Naveen	ECE	All Terrain-Robotics	MJCET

77	R.Mohan Krishna	ECE	Eureka	VJIT
78	R.Mohan Krishna	ECE	Robotics-Robo Sumo	VJIT
79	C.Naveen	ECE	Maze-Robotics	VJIT
80	B.Adithya	ECE	Robo Soccer	VJIT
81	B.Adithya	ECE	All Terrain-Robotics	VJIT
82	B.Adithya	ECE	Maze- Robotics	VJIT
83	S Shashidhar Reddy and V C Badrinath	ECE & Mechanical	Student Leadership Workshop Student Chapter poster presentation	San Diego, CA, USA,2013
84	V C Badrinath	Mechanical	Frontiers in Optics/Laser Science (FiO/LS) Student Chapter poster presentation	Orlando, Florida, USA.2013
85	V C Badrinath	Mechanical	SPIE International Symposium on Sensing Technology + Applications Paper presented Intensity insensitive one-dimensional optical fiber tilt sensor	Baltimore, Maryland, United States,2014
86	Kumar Ravi and V C Badrinath	Mechanical	SPIE International Symposium on Sensing Technology + Applications Outreach Game activity Outcome based learning of optics in schools Paper presented Study of surface roughness of corroded metals using plastic optical fiber sensor	San Diego, California, USA,2014
87	P Anurag Reddy	ECE	SPIE Photonics West 2015 San Fransico, California, USA Paper presented Low cost fiber optic sensing of sugar solution	San Fransico, California, USA 2015
88	Team Members: Shubanyu, Teja and Vinay from Mechanical	Mechanical	“21 st Century Grand Challenges of Engineering”. Infrastructure Track: Project named “AUTO TANK: “won the best action plan award.	International Conference on Tranformations in Engineering Education,ICTIEE B.M.S College Of Engineering, Bangalore ISF-2015 5 th to 8 th Jan 2015

89	Ms Kavya S	ECE	“21 st Century Grand Challenges of Engineering”. Under Energy Track: MsKavya, ECE 2nd year best action plan winning team	ICTIEE 2015, ISF-2015 BMS college of engineering, Bangalore 5 th to 8 th Jan 2015
90	MsKavya and Roopak	ECE	“21 st Century Grand Challenges of Engineering”. Best poster award	ICTIEE 2015, ISF-2015 BMS college of engineering, Bangalore 5 th to 8 th Jan 2015
91	B Santosh Pawan Kumar	ECE	Students platform for Engineering education SPEED India.	Social Media Officer
92	Mr. Sourav Sengupta	EEE	First Prize in <u>ALL INDIA</u> CBI’S Essay writing Competition on “Anti Corruption	CBI Essay writing competition

ps/ Quizzes conducted

Student Workshops/ Quizzes conducted

S.No.	Name of the workshop	Date
1	Gesture Based Robotics (Human Machine Interaction) Workshop	Sept 30 & 1 st October 2015
2	A two day workshop “Android programming for smarter application” held by cse dept. under CSI chapter by Mr. Dinesh, CEO of Quadrium Software Ltd.,	10th and 11th of September 2015
3	A Three-Day Regional Workshop on “Engineering education without borders	August 3 rd to 5th, 2015
4	Generation Of ThoughtsWild to Wise Techno Fair 2015	30 Jan 2015
5	Google Apps For Education Training Ch. Dwarakanath Director, Implementation & Training, Google India.	22 nd & 23 rd December 2014
6	Techno Quiz Contest in memory of famous Indian scientists C.V. Raman – S. A. Ramanujan –P.C.Ray Cognition 3R	20 th Dec 2014
7	The Training and Placement Department ,TPO Mr Satya Kiran, conducted a one day workshop on ‘ Preparing Today’s Students for Tomorrow’s Challenges’ ...	25th November 2014
8	A Three-Day Regional Workshop on “the 21 st Century Grand Challenges of Engineers “	Sep15-17, 2014
9	Annual Essay writing event organized by Ramachandra mission in collaboration with united nations	15 th Feb 2014.
10	Techno Quiz Contest in memory of famous Indian scientists Cognition 3R C.V. Raman – S. A. Ramanujan – P.C. Ray	20 th Dec 2013
9	Techno Quiz Contest in memory of famous Indian scientists C.V. Raman – S. A. Ramanujan – P.C. Ray	16 th March 2012
10	Annual Essay writing event organized by Ramachandra mission on “ Success must bestow humility” in collaboration with united nations	26 th November 2011.

Students conducted workshops at various colleges in India on the Theme Engineering Education without boarders

S.No.	Name of the workshop	Student facilitator	Name of the college
1.	Engineering Education without boarders	B Santosh Pawan Kumar	HITAM ,Hyderabad 18 th – 20 th July 2015
2.	Engineering Education without boarders	P Prathyusha	GPREC, Kurnool 23 rd – 25 th July 2015
3.	Engineering Education without boarders	A Swarnamani C KavyaSree	SREC, Warangal 18 th – 20 th July 2015
4.	Engineering Education without boarders	P Ajay	BHGCET, Gujarath 27 th – 29 th July 2015
6.	Engineering Education without boarders	Rupak	PSG College Of Technology Coimbotore 14 th -15 th Sept. 2015

WALL for the first year students: The VJIT Wall has given an opportunity to the students to share the knowledge and create awareness among the student community regarding various issues like Science & technology, music, sports, gadgets, wonders of the world, historical monuments, current affairs, etc. Viewers can give their impressions.

A. Academic support, flexibility in examinations:

- Academic support is provided for all those students participating in extracurricular activities in the form of arranging compensation classes.
- Due consideration in respect of attendance for the students participating in important literary, cultural or sports events outside the college.
- Since the college has to follow the examination time tables of the affiliating university, there is no scope for deviation from examination schedule.

B. Special dietary requirement, sports uniform and materials:

- College provides sports uniform to all the students participating in the inter-collegiate/inter University events and provides dietary supplements for such students.
- The college spends approximately Rs.1.5 Lakhs annually on consumable sports material.
- Special diet is provided for students in their coaching camps.

C. Any other:

The following committees are formulated to enhance student participation in extra curricular activities.

- Sports and Games Committee
- Cultural Committee
- Literary Committee.

In addition to the above committees, the college also provides service to the nearby villages through NSS Activities.

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

The College Established career guidance cell to support guidance to the students in preparing for competitive exams.

Career and guidance Cell

S.No.	Name	Department	Position
1.	Dr.V.Venkata Krishna	CSE HOD	Coordinator
2.	DrM.V.Krishna Rao	ECE HOD	Member
3.	Prof SM Zafarullah	EEE HOD	Member
4.	DrArchanaaDongree	Civil HOD	Member
5.	ProfG.Sreeram Reddy	Mech HOD	Member
6.	ProfB.Srinivasulu	IT HOD	Member
7.	Dr Krishna Kumari	H&S HOD	Member

Objectives of the center:

- To provide information about various career options available to the students.
- To conduct a survey among students on their career options.
- To organize programmes to create awareness about the importance of higher studies in India and Abroad.
- To organize diagnostic tests for the competitive exams such as CAT, GRE, GMAT and to counsel them for higher studies.
- To organize coaching classes on CAT, TOEFL, GRE etc. towards higher studies.
- To organize and offer various programmes on Personality Development, Soft Skills and Communication Skills.
- To organize Pre Placement Training Programmes to enable students to showcase their skills during the Interview.

Career Guidance for Higher studies:

- The Placement cell of the institute organizes seminars, workshops on soft skills and placement orientation programme to impart the skills and guidance for higher education to the students.
- Language lab has interactive software which enables the students to prepare for GRE and TOEFL examinations.
- Large number of books on career guidance and competitive examinations are available in Library.
- Every year students are achieving good ranks/scores in GATE/GRE/ TOEFL / CAT examinations.

No. of Students qualified in GATE

Academic year	EEE	MECH	ECE	CSE	IT
2014-15	21	8	6	3	2
2013-14	30	10	15	4	3
2012-13	25	5	5	1	3
2011-12	24	7	8	4	4

No. of Students qualified in GRE/TOFEL/CAT/MAT/PGECET etc

Academic Year	EEE	ME	ECE	CSE	IT
2014-15	08	30	35	50	21
2013-14	05	21	23	25	22
2012-13	10	20	20	22	19
2011-12	15	18	28	12	16

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

Academic Counseling:

College has constituted a dedicated team of Faculty to counsel the students. There will be academic coordinator and mentors to look after the problems of the students such as academic, personal, career, psycho-social etc.

Personal Counseling:

- The mentors bestow personal care in the case of academically low or irregular students. Personal care is taken by class mentors and HOD in the case of such students.
- A Grievance Redress Cell is constituted to look into the grievances of students and to attend their problems.
- An exclusive counseling and guidance cell is set up to attend the problems of newly admitted students

Career Counseling:

- The college established the English Language Communication Skills (ELCS) laboratory to improve the communication skills of students.
- The college has constituted a dedicated team of English Faculty exclusively for developing Soft Skills of the students
- Soft Skill Training Programmes are periodically conducted with internal resource

persons and slots are allotted in the regular time table.

- Also, our students are trained through external corporate training agencies like, Globarena, Talent Sprint, Dexter labs and Smart skills labs etc.
- Training & Placement Cell regularly conducts Group Discussions, Just A Minute (JAM) and also Orientation Programmes.
- Mock Interviews are conducted to identify and improve the skill set of the students.
- The college is an Advanced Partner of Campus Connect initiative of Infosys for enhancing the Employability Skills of the Engineering Graduates.
- Infosys Campus Connect “Soft Skills” module is being rolled out every year to III year B.Tech students.
- Faculty members of English, earlier trained by experts of Infosys Technologies, train the students in the following areas.

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

YES.

The college has a structured mechanism for career guidance and placements. Multiple Campus recruitment and finishing school training providers like Talent Sprint, Conduira, JKC have been imparting soft skills, English language skills and also Professional competencies to our students right from the second year apart from these activities there is also Consistent effort by the in-house faculty to develop verbal and quantitative skills of the students to enable them to perform better during campus recruitment drives.

Training and Placement cell

Full-fledged Training & Placement Cell of the institution comprising T&P Officer, & PRO, one Office Assistant and Departmental Coordinators are constituted. It monitors and organizes continuously the training and placement activities. The cell regularly contacts all relevant industries / companies and conducts placement drives. Apart from this formal team group of students from various branches act as student leaders and volunteers. The Placement drives provide valuable leadership and organization development opportunities for the students.

Special Training on English Language and Communication Skills

The College conducts special training classes on English Language and Communication Skills to improve the communication skills of students. It also helps the students to improve their technical presentation and interview performance skills.

Regular Training on Aptitude & Other Soft Skills

Regular training on aptitude and soft skills is provided to the students at pre-final and final year level both by the external and internal resource persons. Talent Sprint, Manhattan review Globarena have been our service providers.

Special customized training based on Industry requirement

The suggestions of industry representatives on the Board of Studies of individual departments are taken to identify the customized training needs of individual departments. Industry relevant customized training is provided to final year students before the commencement of recruitment process. In addition, guest lectures are arranged on specialized areas relevant to the present day industry. Customized programmes in the areas of technology like Big Data, Analytics are provided to students.

Campus Recruitment

Efforts are being made by the institution to improve the employability of the students and industries are invited to the campus to recruit students. Several Senior level decisions makers in Global IT Companies like TCS, Oracle and Infosys have been visiting the campus to make the students aware of the latest trends in recruitment For the past four years all the eligible and interested candidates are absorbed by the industry before completion of the course.

List of Companies visited for placement drives

Academic 2014-2015	
S.No.	Companies Visited
1	AMAZON
2	Celigo
3	GENPACT
4	IBM
5	Inrhythm
6	KONY LABS
7	Mind Tree
8	Mphasis
9	Open Text
10	Virtusa
11	Cyient
12	CapGemini
13	Divami
14	TCS

15	ICICI Bank
16	Samudra Technologies
17	TechMahindra
18	Quantum Labs
19	Google
20	Sutherland
2013-2014	
S.No.	Companies Visited
1	ACCENTURE
2	ASK IT SOLUTINS
3	ASPRE, CHENNAI
4	BDL
5	CADSYS
6	TCS
7	GOOGLE
8	GSEC
9	HCL
10	IBM
11	IISC,BANGLORE
12	INFOTECH
13	INRHYTHM
14	INVESCO
15	MAGNAQUEST
16	MAHINDRA SATYAM

17	MPHASIS
18	OPCODE
19	OPCODE IT
20	OPEN TEXT
21	PROGRESSUE MEDIA
22	SACTSET
23	SATRA IMAN
24	SERENDIO
25	SERVO
26	TECH MAHINDRA
27	TRIVENI ENGG
28	UNITED ONLINE
29	UST GLOBAL
2012-2013	
S.No.	Companies Visited
1	ACCENTURE
2	ASK IT SOLUTINS
3	ASPRE, CHENNAI
4	BDL
5	CADSYS
6	TCS
7	GOOGLE
8	GSEC
9	HCL

10	IBM
11	IISC,BANGLORE
12	INFOTECH
13	INRHYTHM
14	INVESCO
15	MAGNAQUEST
16	MAHINDRA SATYAM
17	MPHASIS
18	OPCODE
19	OPCODE IT
20	OPEN TEXT
21	PROGRESSUE MEDIA
22	QUALITY ENGINEER (GT JOB)
23	SACTSET
24	SATRA IMAN
25	SERENDIO
26	SERVO
27	TECH MAHINDRA
28	TRIVENI
29	TRIVENI ENGG
30	UNITED ONLINE
31	UST GLOBAL
2011-2012	
S.No.	Companies Visited

1	ACCENTURE
2	AMAZON
3	BHEL APPRENTICE
4	BIG DATA
5	BIRLA SOFT
6	CAPGEMINI
7	CMC
8	COHERENT
9	CONNECTING COMPUTER
10	DELL
11	DRDO
12	ERP ANALYST PVT LTD
13	FRANKLIN TEMPLETON
14	GOOGLE MAPS
15	HCL
16	INFOSYS
17	INFOTECH ENTERPRISES
18	ITC
19	L&T ENGINEERING
20	MPHASIS
21	NACRE
22	NAVITAS
23	PENNAR INDUSTRIES
24	QUALCOMM

25	ROFOUS GOOGLE
26	SIEMENS
27	SRISTI INFOTECH
28	SYNTEL
29	TECHNOCRAT
30	VAG VALVES
31	VEDIC VLSI
32	WIPRO

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 headed by the HOD (EEE) comprises one senior faculty member from each department and a lady faculty member. The composition of the cell is as follows:

Grievance Redressal Committee:

- | | |
|--------------------------------------|----------|
| 1. Mr.S.M.Zafarullah HOD (EEE) | Chairman |
| 2. Mrs. G.Srilatha(Acad.Coordinator) | Member |
| 3. Dr.M.V.Krishna Rao HOD (ECE) | Member |
| 4. Dr.V.V.Krishna HOD (CSE) | Member |
| 5. Dr.ArchanaDongre HOD (CIVIL) | Member |
| 6. Mr.G.Sreeram Reddy HOD (Mech) | Member |
| 7. Mr. B.Srinivasulu HOD (IT) | Member |
| 8. Mr.SubramanyaSarma HOD (MBA) | Member |
| 9. Dr. Krishna Kumari HOD (H&S) | Member |

The basic functions of the cell are:

1. It conducts a thorough enquiry on the complaints received from the aggrieved students, including instances of ragging.
2. It submits the enquiry report with its recommendations to the Director/ Principal, for necessary action.
3. The Director/Principal, on receipt of the above report, gives an opportunity to the student(s) to give his/her/their explanation. The Principal will convene the College Academic Committee meeting in this regard to decide on the measures to be taken. In special cases the opinion of the College Management Committee will also be taken before imposing the punishments / penalties.

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

Aziz Nagar Gate, Himayatnagar Village, Chaitanya

Bharathi Post, Hyderabad – 500075

GRIEVANCES REDRESS CELL – STUDENTS

1. Name of the student Roll No
..... Branch & Year of study Grievance
.....
Date:..... Signature of the student

ACKNOWLEDGEMENT – GRIEVANCES REDRESS CELL – STUDENTS

Received the Complaint from Roll No. Class &
year of Study.....

Date:

Signature of the Incharge

Date:.....

**ACTION TAKEN
(Proposed/ Implemented)**

Signature of the Convener

INFORMATION OF ACTION TAKEN – INTIMATION TO THE STUDENT

Date.....

To

.....
.....

On the recommendation of the committee you are here by informed that you are suspended/Warned for a period of
..... with a warning that such a incident should not be repeated in future.

Signature of the Director/Principal

Grievances for the last four years and action taken

S. No.	Academic Year	Grievance Reported	Date	Action Taken
1	2015-16	Mr.Akhil, IV year ECE (Misbehave)	12.08.2015	Suspended 1 Week
2	2014-15	Mr. Abrar Ali, III year EEE (Indiscipline)	13.06.2014	Suspended 2 Weeks
		Mr.Md. Sarvar Alam, III year EEE (Indiscipline)	13.06.2014	Suspended 2 Weeks
3	2012-13	Mr. Rajiv Naidu, IV year CSE (Misbehave)	05.02.2013	Suspended 2 Weeks
		Mr. Ch.Dinesh Reddy, III year Mechanical (Using foul Language)	13.02.2013	Suspended 3 Weeks
		Mr.K.SuryaTeja Reddy, III year Mechanical (Using foul Language)	13.02.2013	Suspended 3 Weeks
		Mr. G.Kiran Kumar, II year Mechanical (Using foul Language)	13.02.2013	Suspended 3 Weeks
		Mr.Khurshed Ahmed, I year Mechanical (Using foul Language)	03.05.2013	Suspended 3 Days
		Mr. MohdSubhan, I year Mechanical (Using foul Language)	03.05.2013	Suspended 3 Days
		Mr. Shaikh Toufiq, I year Mechanical (Using foul Language)	03.05.2013	Suspended 3 Days
		Mr.Ilyas Uddin, I year EEE (Using foul Language)	03.05.2013	Suspended 3 Days
		Mr. J.Karimulla, I year CSE (Using foul Language)	03.05.2013	Suspended 10 Days
		Mr. Abrar Ali, I year EEE (Using foul Language)	03.05.2013	Suspended 10 Days
		Mr.Md. SarvarAlam, I year EEE (Using foul Language)	03.05.2013	Suspended 10 Days
		Mr. R.Ravider. III year ECE (Misbehavior)	12.07.2013	Show-Cause Notice
		Mr. B.Sri Shiva Sai Kumar, II year Mechanical (Misbehavior)	02.09.2013	Suspended One Month
		Mr. V.Pothan Kumar Reddy, IV year Mechanical		
		Mr.Akhil, II year ECE (Teased and harassed)	03.10.2013	Suspended 4 Weeks
		Mr.D.Rahul, II year ECE (Teased and harassed)	03.10.2013	Suspended 2 Weeks
		Mr.Shiva Sai, II year Mechanical (Impulsive, Aggressive behaviour)	11.10.2013	Suspended One Month
		Mr. Sharan Rushi, III year CSE (Impulsive behaviour)	11.10.2013	Suspended 3 Weeks
		Mr.K.Sudhakar, II year CSE (Impulsive behaviour)	11.10.2013	Suspended 3 Weeks
		Mr. G.Harish, II year EEE (Impulsive behaviour)	11.10.2013	Suspended 3 Weeks

4	2011-12	Mr.Shanshan Reddy, I year CSE-B (Misbehavior)	12.03.2012	Suspended 2 Weeks
		Mr.Ch. Dixit Reddy, I year IT (Misbehavior)	12.03.2012	Suspended 1 Week
		Mr. G.Naresh Kumar, I year MBA (Misbehavior)	25.04.2012	Suspended 2 Weeks
		Mr.R.V.Rohit, I year, ECE (Misbehavior)	25.04.2012	Suspended 1 Week
		Mr.R.KalyanSagar, IT II year (Misbehavior)	30.03.2011	Suspended 1 Week
		Mr.P.Praveen Pal Reddy (Misbehavior)	30.03.2011	Suspended 1 Week
		Mr. D.Sripal Reddy (Misbehavior)	30.03.2011	Suspended 1 Week

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

The college has a Women Protection Cell which addresses the grievances of women/girls students regarding sexual harassment. The composition of the cell comprises one senior lady faculty member as convener and one lady faculty member from each department as members.

Women Grievance Committee

- | | |
|--------------------------------|----------|
| 1. Dr.Archanaa Dongre (CIVIL) | Chairman |
| 2. Mrs. G.Srilatha | Member |
| 3. Dr.Krishna Kumari (H&S) | Member |
| 4. Mrs.A.R.Vani(EEE) | Member |
| 5. Mrs.T.Devi (IT) | Member |
| 6. Mrs.M.VijayaShanthi (CSE) | Member |
| 7. Mrs. J.Emeema (MECH) | Member |
| 8. Mrs. A.Prasanna Laxmi (ECE) | Member |
| 9. Mrs.Suneela Bharathi (MBA) | Member |

This cell looks after the welfare of women/girls students.

The basic functions of the cell are:

The cell notifies its presence through posters, notices and interactive sessions and also creates awareness among the students and faculty on the repercussions they face, if they resort to harassment of any kind.

When a complaint is received by the cell, it conducts an enquiry to identify the gravity of the offence.

Based on the firsthand information and prime-facie evidence, the committee submits its report to the Principal for further action.

No sexual harassment complaint has been recorded so far.

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?

YES.

The College has an anti-ragging committee.

Anti-ragging Committee

MEMBER	DEPARTMENT	POSITION
Prof.S.M.Zafarullah	HOD,EEE.	Chairman
Prof. G. SreeramReddy	HOD, Mech.	Member
Dr.V.Venkata.Krishna	HOD, CSE.	Member
Mr. B.Srinivasulu	HOD, IT.	Member
Dr.M.V.Krishna Rao	HOD,ECE.	Member
Dr.ArchannaDongre	HOD,Civil	Member
Dr.KrishnaKumari	HOD,H&S.	Member
Mr. J. RameshBabu	PhysicalDirector	Member
Ms.N.Swathi	Physical Instructor	Member

The basic functions of the cell are:

To create self confidence and congenial environment among the newly admitted students by way of conducting frequent interactive sessions to clear the doubts related to academic matters, social interaction and compatibility. The “Counseling and Guidance Cell” provides a ragging free campus for newly admitted students to have a pleasant and fruitful academic stay in this college.

Faculty is deputed at various locations inside the college campus to monitor the student activities. Faculty sees that no student groups are formed and if any are observed, the group is dispersed to avoid any nuisance. The punishment for ragging is displayed at various places to make the students aware of seriousness of the administration for preventing ragging.

To conduct an enquiry and identify of the culprits on receipt of complaint.

Based on the first hand information and prime-facie evidence, the committee submits its report to the Principal for necessary disciplinary action. Severe punishment will be imposed on the accused, if proven.

Ragging instances reported during the last four years and actions taken

S. No.	Academic Year	Anti-Ragging Incidence	Date	Action Taken
1	2015-16	Mr. MohdSubhan, IV year Mechanical (Ragged the I year B.Tech students)	03.09.2015	Suspended 4 Weeks
		Mr. Ilyas Uddin IV year Mechanical (Ragged the I year B.Tech students)	03.09.2015	Suspended 4 Weeks
2	2014-15	Mr. Shrn, IV year CSE (Ragged the II year B.Tech students)	15.09.2014	Suspended 4 Weeks
		Mr.K.Sudhakar, II Iyear CSE (Ragged the I I year B.Tech students)	15.09.2014	Suspended 4Weeks
3	2013-14	Mr. Shiva Sai, II year Mechanical (Ragged the I year B.Tech students)	01.11.2013	Suspended One Month
		Mr. Shrn, III year CSE (Ragged the I year B.Tech students)	01.11.2013	Suspended 3 Weeks
		Mr.K.Sudhakar, II year CSE (Ragged the I year B.Tech students)	01.11.2013	Suspended 3 Weeks
		Mr.G.Harish, II year EEE (Ragged the I year B.Tech students)	01.11.2013	Suspended 3 Weeks
4	2012-13	Mr. Rajiv Naidu, IV year CSE (Ragged and beaten the ECE II year Students)	06.03.2013	Suspended 3 Weeks
		Mr.Vamshi Krishna, IV year EEE (Ragged and beaten the ECE II year Students)	06.03.2013	Suspended 4 Weeks
		Ms.B.V. Lakshmi – ECE II year (Ragged the I year B.Tech students)	14.10.2012	Warned
		Mr. G.Siddartha, III year ECE (Snatching the scarf and goggles from I year girl student)	21.02.2012	Suspended 75 days
5	2011-12	Mr. G.Siddartha, III year ECE (Ragged the I year B.Tech students)	19.02.2012	Suspended 75 days
		Mr. Karun Raj, II year Mechanical (Ragged the I year B.Tech students)	19.12.2011	Suspended 60 days
		Mr. Kiran Goud, II year IT (Ragged the I year B.Tech students)	19.12.2011	Suspended 45 days
		Mr. K.Sai Kiran, II year ECE (Ragged the I year B.Tech students)	19.12.2011	Suspended 45 days
		Mr. K.Rohit. II year Mechanical (Ragged the I year B.Tech students)	19.12.2011	Suspended 20 days
		Mr.DineshRedy, II year Mechanical (Ragged the I year B.Tech students)	19.12.2011	Suspended 20 days
		Mr.V.Sai Ram, II year Mechanical (Ragged the I year B.Tech students)	19.12.2011	Suspended 20 days
		Mr.G.Kiran Kumar, II year Mechanical (Ragged the I year B.Tech students)	19.12.2011	Suspended 20 days

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

- Amenities like canteen, indoor games, gymnasium, reading room and waiting rooms for boys and girls separately.
- Free medical assistance to the students through health center established in the college
- Financial support and needed facilities to physically challenged students
- provision of giving fee Waiver by the Management.
- Xerox facility is available to students for subsidized rates.

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

YES.

The institution has a registered Alumni Association. Alumni Association of VidyaJyothi Institute of Technology (AAVJIT) is registered under the A.P. Societies Registration Act 1402 of 2010 on 10th December 2010.

Aim of the Alumni:

Its motive is to bring together all the Alumni to share their experiences and to extend their helping hand and provide guidance to the budding engineers of the college.

All the passed out students of the college become members of the Alumni Association. At present it has strength of 5451. The VJIT Alumni spread around the globe, support the college in various activities. It organizes yearly meet in College every year. Alumni association organizes various technical seminars / guest lectures, motivates and guides students for their academic improvement.

1. ALUMNI ASSOCIATION – EXECUTIVE COMMITTEE MEETING: 23rd November 2013

The executive members attended:

- | | | |
|---------------------------|---|--|
| 1. Mr. Susheel Reddy | - | Vice President - VJIT Alumni Association |
| 2. Mr. Sateesh Chandra | - | General Secretary |
| 3. Ms. Sravanthi Dwarsala | - | Joint Secretary |
| 4. Mr. Vamshi | - | Executive Member |
| 5. Ms. Monika Dasi | - | Executive member |

The meeting was attended by:

- | | | |
|---------------------------|---|--------------------------------|
| 1. Dr. P. Rajeswar Reddy | - | Secretary & Correspondent |
| 2. Dr. P. Venugopal Reddy | - | Director |
| 3. Dr. A. Padmaja | - | Principal |
| 4. Mr. R. V. Chalam | - | Sr. A.O |
| 5. Prof. S. M. Zafarullah | - | HOD – EEE |
| 6. Prof. G. Sriram Reddy | - | HOD – Mech |
| 7. Prof. Jakir Hussain | - | HOD - ECE |
| 8. Prof. M. Ravi | - | HOD – CSE |
| 9. Mr. B. Srinivasulu | - | HOD – IT |
| 10. Mr. M. S. Goutham | - | Mech. Dept. – Meeting Convener |

Activities conducted under Alumni:

- I. “MILAN’2014” – Annual Alumni get together held on 22.02.2014 at the college premises.
Dr. P. Venugopal Reddy, Director and Dr. M. Padmaja, Principal spoke on the occasion. About 350 Alumni from all passed out batches attended the day long get together.
- II. “Distinguished Alumni Guest Lecture” – The first lecture by a distinguished VJIT Alumni was organized by the Alumni Association on 11.03.2014. Dr.

- III. RamagopalvarmaRamaraju of 2003 passed out batch addressed the students of Mech. Dept.
- IV. The second “Distinguished Alumni Guest Lecture” was held on 26th. July’2014. Mr K. sateesh Chandra, CEO Dexter Labs addressed the students of ECE and CSE departments.
- V. The VJIT Alumni Association Executive committee meeting was held on 25th. October’ 2014 to discus and finalize the program calendar for the year 2015.
- VI. The Annual Alumni get together “MILAN’2015” was held on 03rd. Jan’2015. About 400 Alumni from all passed out batches attended the event with their family members.
- VII. Dr. T. Giri, of Talent Sprint, Hyderabad addressed the students of final year CSE on career prospects in Software Engineering, as part of the “Guest lectures” organized by the Alumni Association on 26th March’ 2015.

5.2 Student Progression

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

Student’s progression to higher studies

STUDENT PROGRESSION	ACADEMIC YEAR	EEE	MECH	ECE	CSE	IT
UG TO PG with Percentage	2014-15	41.5	30	49.2	4.76	38.8
	2013-14	33.77	31	25.23	40.7	44
	2012-13	37.84	36.7	24.49	24.4	47.5
	2014-15	35	38.2	29	80	35
	2013-14	50	5	55	40	41
	2012-13	47	24	31	30	40
CAMPUS SELECTION	2014-15	05	15	29	35	20
	2013-14	08	17	15	18	26
	2012-13	26	12	10	10	21
OTHER THAN CAMPUS RECRUITMENT	2014-15	12	11	10	30	02
	2013-14	24	14	28	15	01
	2012-13	40	13	30	10	01

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

There is no grading system for the colleges affiliated to JNTU Hyderabad.

Programme - Wise Success Rate (pass %) for the last Four Years

Batch	B.Tech				
	EEE pass %	MECH pass %	ECE pass %	CSE pass %	IT pass %
2008-12	80	88.33	95.24	100	98.19
2009-13	88.89	98.39	86.72	89.09	92.31
2010-14	87.4	96.97	90.44	85.25	93.75
2011-15	54.62	76.64	82.84	83.62	88.46

Batch	M.Tech						
	EPS	ES	VLSI	CSE	PEED	MD	CAD/C AM
2010-12	-	-	-	81			
2011-13	-	-	-	83	87		
2012-14	-	83	80	80	94	-	-
2013-15	93	-		85	89	-	-

MBA	
Batch	MBA Pass %
2010-12	100
2011-13	96.5
2012-14	96.9
2013-15	-----

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

S.No	Workshop Title	Key Person	Dates
1	CRT Programme for 3 rd year students	Mr. Ravi Teja of Seventh sense ageny,Bangalore	23 rd July 2015
2	Placement Orientation Programme	1. Mr Leo Tyron Whyte of Talent Sprint 2. MrRanjith of Jamboree 3. Mr Nagendra, Reference globe	6 th July ,2015.
3	QP Adoption & Deployment. Awareness on IT-BPM Industry Job Roles.	Mr. Sathish, NASSCOM	27 th March 2015
4	Innovation workshop by Cognizant	Innovation workshop by Cognizant Senior HR Manager MsRevathi	3 rd Jan 2015
5	A workshop on ‘Preparing Today’s Students for Tomorrow’s Challenges’	TPO Mr Satya Kiran	25 November 2014
6	A Seminar on “Global Professional development”	Sri Nivas P C S Talent acquisition team lead Infosys	2 August 2014
7	Seminar on “Career opportunities”	Mr. Raja Das Guptha, Country Manager, Oracle India	15 July 2014
8	Developing the ecosystem for academic excellence’	Mr. Abdullah, Former Executive Director, Power Finance Corporation and Motivational Speaker	14 Jan 2014
9	Manhattan Review, a leading provider of training for CAT/GRE/GATE Review, a leading provider of training for CAT/GRE/GATE	Mr. Vijay, Zonal Head, Manhattan Review.	Jan 7 2014
10	What does it take to crack the job market	Mr Naresh Dubudu , Abhyas Corporation	Sept 11 2013
11	Dr. Developing a global mindset	George Rancourt, Former Managing Director, Monster	August 15 2013
12	R. Moving ahead of the curve: why industry –academia connect matters.	Sundaram, Campus Recruitment Lead	August 08 2013
13	M. Latest trends in the IT Industry	M.S.R. Murthy, Delivery Head, TCS	August 04 2013
14	Best Preparation methodology for CAT	Sumanth Palepu, A Senior Manager with Conduira Education Services	July 09 2013
15	Opportunities in the Finance Industry’	Aditya Lanka, IIM Kolkata alumni and a former consultant with Bloomberg	March 11 2013

16	Latest advances in the IT industry	Madhu Murthy, former Vice President, Applabs and co-founder, Talent Sprint	Feb 15 2013
17	Mr Prospects in Infosys	Sunder Raman HR Manager, Infosys	Jan 25 2013
18	MrFoster professional communication skills August 10th, 2012	MrPremDayal, Lead Manager Education & Research	August 10 2012
19	One week training for students in the areas of Aptitude and Reasoning and Soft Skills/Communication Skills	Mr. Niranjan and Mr. Gangadhar of Career Conduit	16 to 22 nd Jan 2012
20	Mr The Latest Trends in the IT Industry	Karthikeyan, Sr.HR Manager, Mphasis	March 19 2012
21	In house JKC Training Classes	JKC Mentors	5 to 11 Jan 2011
22	Communication and Soft Skills	Faculty Enablement Programme by Globarenain Association with IEG	Sept 20 2010

The Institute facilitates student progression by conducting training/orientation classes for achieving higher studies/employment. The training/Orientation programme conducted for the last four years are given below.

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

- Remedial Classes are arranged for the students who are at risk of failure and drop out.
- Question banks and notes are provided to the slow learners.
- Assignments are given to the students.
- Conducting frequent Counseling by the class teachers. Discussions with the parents.
- Special Coaching is being provided in the form of extra class hours.
- Mentoring system is introduced to improve the confidence levels of the student academically, personally and psychologically. For every 20 students 1 mentor is allotted.

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) Sports & Games Facilities:

The department of Physical Education looks after the Games and Sports activities. The department is headed by two qualified Physical Directors and one lady Physical instructor with the required infrastructure.

The college has exclusive amenities block for indoor games and also has well developed playgrounds for Tennis, Basketball, Volleyball, Shuttle Badminton, Kho- Kho, Kabaddi, Cricket etc.

The participation of students in Games & Sports activities are fundamentally of two types.

1. Intramural games & sports activity
2. Extramural activities outside the college

Major Activities:

Organizing inter-collegiate tournaments in Tennis, Volley ball, Basketball, Cricket & Table Tennis etc..

Intramural activities:

Intramural competitions will be conducted in February & March every year and the prizes will be distributed on Annual Day function.

Gymnasium: Separate Gymnasium facility for Boys and Girls is provided.

Facilities for Girl Students:

The colleges encourage participation of girl students in intra and inter institutional sports & games competitions. The following are the sports & games arranged by the college;

Indoor:

Caroms, Chess, Table Tennis, Badminton etc.,

Outdoor:

Volleyball, Basketball, Tennis, Throw ball, Tennicoit, Kho-Kho Conduct of separate selection trials for girl students for picking up talented players for participation at Inter Collegiate tournaments.

Conducting practice sessions in athletic events.

Presentation of women championship awards every year.

Sports Programme Calendar

S.No.	Name of the Events	Time Period	Name of the Sports & Games
1	University Selections	Aug to Jan	All Sports & Games (Athletics & Cricket, Volley Ball, Basket Ball, Badminton, Table tennis etc.)
2	Inter Engineering Collegiate Tournaments	Sep to Jan	All Games
3	Intramural Competitions	Dec to Mar	All Sports & Games

4	State Level Inter Engineering Colleges Sports fest	Sep to Jan	Games
5	JNTU Zonal Competitions	Jan to April	Sports & Games
6	Annual day Competitions		Sports & Games

b) Literary and Cultural activities:

Literary and Cultural activities are conducted every year during Tech fest and Annual day celebrations under the supervision of Humanities department.

Department Associations also conduct Literary and cultural activities every year. Competitions are conducted on special occasions like 150th Birthday of Swamy Vivekananda, science day, etc.

In addition to this our students also participate in state level/ National level literary and cultural activities meet.

Participation of Students In Annual Literary And Cultural Competitions

YEAR	NAME OF THE EVENTS	NO.OF STUDETNS PARTICIPAT ED	NO. OF STUDENTS WON THE PRIZES	DATE & YEAR
2014-15	Fashion Show (NIFT)	40	-	18/04/15
	Annual Day Crescendo	500	200	20/03/15, 21/03/15
	Phoenix (Annual Fest)	400	100	24/01/15, 25/01/15
	Radio Mirchi (Mr&Ms Fresher)	50	6	20/12/14
	Maa Music (Debate Show on Black Money)	100	-	22/11/14
	Times Group (Talent Search)	50	6	15/11/14
	T9 Channel (Talent Search)	75	05	25/10/14
	Clean & Clear (Fresh Face of the Year)	60	4	23/08/14
2013-14	Dance Competition, (Solo & Group),	75	10	19/04/14
	Short Film Making	10	2	22/03/14
	Skits	6	2	25/01/14
	Rangoli, Songs, Mehendi	75	12	21/12/13
	Traditional Festivals (Dandiya, Bathukamma)	125	-	23/11/13
	PPT Competition (Social Awareness)	15	3	16/11/13
	Eloecution	20	3	26/10/13
2012-13	Dance Competition, (Solo & Group),	60	20	24/08/13
	Essay Writing	100	25	20/04/13
	Telugu Antyakshari	200	40	23/04/13
	Rangoli,Songs	250	50	23/02/13
	Traditional Festivals Dandiya	130	-	23/03/13
	Bathukamma	160	-	18/10/13
	Mehendhi	50	10	22/12/12
	Floor Crossing	40	5	24/11/12
2011-12	Essay Writing	150	30	25/08/12
	Rangoli,Songs	200	30	21/04/12
	Skits	10	4	24/03/12
	Traditional Festivals (Dandiya, Bathukamma)	150	-	22/10/11
	Telugu Antyakshari	60	20	19/11/11
	Floor Crossing	40	10	24/12/11
	Dance Competition, (Solo & Group),	50	10	22/01/11
	Radio Mirchi (Mr&Ms Fresher)	110	20	08/01/11
	Drawing Competition	45	10	19/02/11

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.

Co-curricular Activities

Participation of Students in Paper Presentations, in Poster Presentations, Technical Exhibition, Technical Quiz ,etc..

Year	Activity	Branch	No. of Students Participated	No. of Students won the Prizes
2014-15	Paper, Poster Presentation, Tech Quiz's, Etc..	EEE	25	5
		MECH		
		ECE	50	1
		CSE	100	26
		IT	38	26
2013-14		EEE	15	03
		MECH		
		ECE	33	8
		CSE	78	22
		IT	36	23
2012-13		EEE	10	02
		MECH		
		ECE	17	6
		CSE	66	20
		IT	38	24
2011-12		EEE	12	1
		MECH		
		ECE	10	1
		CSE	65	18
		IT	41	31

SPORTS EVENTS: Students participation at University/National & International level

S.No.	Name of the Sports/Game	Univ/National/International Level	Place & date& Year	Medal/Position	No. of Students
1	Cross Country team	National	Mangalore University, Mangalore. 10 th Oct 2015	Participated	Mr. Pramod Kumar
2	Table Tennis Carroms	State	CVSR College of Engineering, Hyderabad, 9 th & 10 th Oct 2015	Winners	Mr. Swarnendu Chowdary, Mr. K.Sai Ashish. Mr. Shoban
3	Volley ball	National	Hyderabad Institute of Technology and Management. Hyderabad, 29 th & 30 th Sep 2015	Winners	12
4	Volley ball	State	Malla Reddy Institute of Technology and Science. Hyderabad, 11 th & 12 th Sep 2015	Winners	12
5	Volley ball, Table tennis	State	K.G. Reddy Institute of Technology. Hyderabad, 26 th & 27 th Feb 2015	Winners	13
6	Volley ball	State	Bharath Institute of Engineering and Technology. Ibrahimpatnam, Ranga Reddy, 23 rd to 26 th Feb 2015	Winners	12
7	Badminton	National	BITS Pilani Hyderabad, 05 th to 08 th Feb 2015	Runners	Ms. I.Keerthana, Ms. M.L.K. Tulasi
8	Badminton Volley ball Throw ball Table tennis Kabaddi	State	VidyaJyothi Institute of Technology. Hyderabad, 23 rd & 24 th Jan 2015	Winners, Winners Runners Winners Runners	10 12 12 03 12
9	Badminton	State	G. Narayanamma Institute of Technology, Hyderabad, 08 th & 9 th Jan 2015	Runners	Ms. I.Keerthana, Ms. M.L.K. Tulasi
10	Badminton	National	BharathiarUniverstiy, Coimbatore, T.N, Jan 2015	Participated	Ms. I.Keerthana, Mr. S.S. Jawahar
11	Soft ball	National	Delhi University, Dwaraka, Delhi. Mar 2015	Participated	Mr. P. Dakshendar
12	Soft ball	National	Balevade Stadium, Maharashtra, Jan 2015	Participated	Mr. Sai Nishanth Reddy
13	Badminton	National	SRM University, Chennai 01 st to 05 th Oct 2015	Participated	Mr. S.S Jawahar, Ms. MLK Tulasi
14	Cricket	State	S.R Engineering College, Warangal, 04 th to 12 th January 2014	Runners	15
15	Table Tennis	State	Krishna Murthy Institute of Technology, Hyderabad, 09 th to 11 th January 2014	Winners	Mr. Swarnendu Chowdary, Mr. E. Chaitanya Kumar

16	Table Tennis	National	BITS Pilani Hyderabad, 30 TH Jan 02 nd Feb 2014	Winners	Mr. Krishna Kanth, Mr. SwanenduChowdary, Mr. E. Chaitanya Kumar
17	Table Tennis Badminton, Basket ball	JNTU Zone-C	Narasimha Reddy Enginnering College, Secunderabad, 19 th to 22 nd Feb 2014	Winners, Runners Runners	17
18	Basket ball	State	K.G. Reddy Institute of Technology, Hyderabad, 06 th & 7 th Mar 2014	Winners	12
19	Javelin Throw	JNTUH Central Zone	St. Martin's Engineering College, Secunderabad, 29 th & 30 th Mar 2014	Gold Medal	Mr. Maheshwaram
20	Badminton, Table tennis	State	Mahatma Gandhi Institute of Technology, Hyderabad, 16 th & 17 th Oct 2014	Winners Winners	Mr. S.S Jawahar, Mr. B. Sai Nath, Mr. SwarnenduChowdary, Mr. E. Chaitanya kumar
21	Table tennis	State	CVSR Engineering College, Gatkesar, Hyderabad, 17 th & 18 th Oct 2014	Runners	Mr. SwarnenduChowdary, Mr. E. Chaitanya kumar
22	Table tennis	National	SRM University Chennai, Sep 30 th to Oct 3 rd 2014	Participate d	Mr. SwarnenduChowdary
23	Hand ball	National	Periyar University Selam, T.N, Sep 2014	Participate d	Ms. P.Ashritha
24	Kabaddi	National	Kannur University, Kerala, Oct 2014	Participate d	Ms. Vandana
25	Cross Country	National	Kannur University, Kerala, Dec 2014	Participate d	Mr.Pramod Kumar
26	Volley ball, Badminton	JNTU Zone-C	Narasimha Reddy Enginnering College, Hyderabad, 28 th & 29 th Jan 2013	Winners, Runners	17
27	Chess, Javelin Throw	JNTUH Central Zone	JNTUH, Kukatpally, Hyderabad, 05 th & 06 Th Mar 2013	Winners	Mr. Kranthi Kumar, Mr. Maheshwaram
28	Cricket	State	Aurora Engineering College, Hyderabad, 22 nd to 28 th Mar 2013	Winners	16
29	Volley ball, Basket ball	State	K.G. Reddy Institute of Technology, Hyderabad, 18 th & 19 th Aug 2013	Winners Winners	12 12
30	Cricket	State	Nishitha Engineering College, Hyderabad, 08 th to 18 th Sep 2013	Runners	16

31	Chess, Basket ball	State	VidyaJyothi Institute of Technology, Hyderabad, 13 th & 14 th Sep 2013	Winners, Runners	13
32	Chess, TableTennis, Carroms	State	Sagar Institute of Engineering and Technology, Hyderabad, 04 th & 5 th Oct 2013	Winners, Runners	06
33	Cricket	State	Global Institute of Engineering and Technology, Hyderabad, 11 th to 18 th Oct 2013	Winners	16
34	Javelin Throw	National	Kalyani University, Kolkata, Dec 2013	Participated	Mr. Maheshwaram
35	Base ball	National	Delhi University, New Delhi, Nov 2013	Participated	Mr. Sai Nishanth Reddy, Mr.Dakshendar
36	Hockey	National	Rourkela University, Odisha, Oct 2013	Participated	Mr. M.Rajesh
37	Hand ball	National	Kakathiya University, Warangal, Oct 2013	Participated	Ms. P. Ashritha. Ms. N. Anusha
38	Soft ball	National	Nagarjuna University, Guntur, Nov 2013	Participated	Mr. P. Dakshendar Mr. Sai Nishanth Reddy
39	Table tennis	National	PT.RaviShanker Shukla University, Raipur, Dec 2013	Participated	Mr. SwarnenduChowdary
40	Base ball	National	Chandigarh University, Chandigarh, Sep 2013	Participated	Mr. P. Sai Nishanth Reddy
41	Kabaddi	National	Kakathiya University Warangal, Dec 2013	Participated	Mr. Vandana
42	Javelin Throw	National	Punjab University Patiala, Dec 2013	Participated	Mr. Maheshwaram
43	Boxing	National	Banaras Hindu University, Varanasi, Dec 2013	Participated	Mr. M.Hashithosh
44	Chess	National	Kerala University, Kerala, Dec 2013	Participated	Mr. P. Kranthi Kumar
45	Kabaddi	National	Madras University, Chennai, Dec 2013	Participated	Mr. B. Kishore
46	Chess	All india Inter University Central Zone	AvdeashPratap Singh University, Madhya Pradesh, 09 th to 11 th Oct 2013	Silver medal	Mr. P. Kranthi Kumar
47	Athletics (100 mts)	National	GMC Balayogi stadium, Gachibowli RR, 16 th & 17 th Sep 2013	Silver medal	Mr. N. Maheshwaram
48	Athletics (100 mts)	National	Bangalore Athletics Stadium, Bangalore , 29 th & 30 th Sep 2013	Silver medal	Mr. ThadiYugender
49	Chess	Inter - National	4 th Kandy Open International Rated Chess Championship, Srilanka, 05 th to 12 th Aug 2013	IV Place	Mr. P. Kranthi Kumar

50	Athletics (4*100 mts relay team)	Inter - National	Asian Junior Athletic Championship, Germany, 22 nd to 31 st Dec 2013	VI Place	Mr. ThadiYugender
51	Basket ball, Carroms	State	Naipunya, ABVP Hyderabad, Sep 2012	Runners	14
52	Cricket	State	Global Institute of Technology, Hyderabad, Aug 2012	Winners	16
53	Volley ball, Badminton	JNTU Zone-C	Malla Reddy Institute of Technology, Hyderabad, Feb 2012	Winners, Runners	17
54	Chess	JNTU Central Zone	Global Institute of Technology, Hyderabad, Mar 2012	Winner	Mr. P. Kranthi Kumar
55	Table Tennis	State	Sagar Institute of Technology, Hyderabad, Oct 2012	Winners, Runners	Mr. Krishna Kanth, Mr. SwanenduChowdary, Mr. E. Chaitanya Kumar
56	Cricket	National	Osmania University, Hyderabad, Nov 2012	Bronze medal	Mr. P. Rahul Kumar
57	Chess	National	Calicut University, Calicut, Dec 2012	Participate d	Mr. P. Kranthi Kumar
58	Fencing	National	Anna University, Chennai, Nov 2012	Participate d	Mr. K. Sai Sharan
59	Soft ball	National	Punjab University, Punjab, Dec 2012	Participate d	Mr. P. Dakshendar
60	Cricket b) c) d)	State	Hyderabad Cricket Association, Hyderabad, Aug 2011	Runners	16
61	Cricket e) f) g)	State	VidyaVikas Institute of Technology, Hyderabad, Sep 2011	Runners	16
62	Badminton, Volley ball h) i)	JNTU Zone-C	St. Martin's Engineering College, Hyderabad, Jan2011	Runners	15
63	Basket ball j) k)	National	MG University, Kerala, Oct 2011	-	Ms. Sri Vidya
64	Javelin Throw l) m)	National	University of Alahabad, Uttar Pradesh, Dec 2011	-	Mr. N. Maheshwaram
65	Fencing n) o)	National	Anna University Chennai, Sep 2011	-	Mr. K. Sai Sharan
66	Soft ball p) q)	National	Punjab University, Punjab. Oct 2011	-	Mr. P. Dakshender

Participation in South Zone & All India Inter University Tournaments:

Year	University Representation	Event	No. of Participations
2014-15	South Zone Inter University	Table Tennis	01
		Badminton	02
		Hand Ball	01
		Soft Ball	01
2013-14		Cross Country	01
		Kabaddi	01
		Hand Ball	02
		Hockey	01
2012-13		Base Ball	02
		Table Tennis	01
		Kabaddi	02
		Chess	01
		Soft Ball	02
2011-12		Boxing	01
		Cricket	01
		Base Ball	02
		Badminton	01
		Kho-Kho	02
		Basket Ball	01
		Soft Ball	02

b) Student Participation in Inter-collegiate Regional & Central Zone Tournaments:

Year	Tournament Name	Event	No. of students participated	Prizes Won
2014-15	BITSFEST	Cricket	16	Runners
		Table Tennis	05	Winners
	JNTU C-Zone	Basket Ball	10	Runners
		Table Tennis	04	Runners
		Badminton	04	Winners
	State Level Tournament	Basketball, Volleyball	24	Winners
	JNTUH Central Zone Tournament	Athletics (Javelin Throw)	01	Gold Medal
2013-14	AURORAFEST SPORTSBO UT,BITS,HYD	Cricket	16	Winners
		Chess	01	Winners
		Table Tennis	04	Winners
	JNTU C-Zone Tournament	Basket Ball	10	Runners
		Badminton	04	Winners
		Table Tennis	04	Winners
	State Level Tournament	Badminton	04	Winners
		Table Tennis	04	Winners
	JNTUH Central Zone Tournament	Javelin Throw	01	Gold Medal

2012-13	State Level Tournament	Volley Ball	10	Winners
		Cricket	16	Runners
		Basket Ball	26	Winners
		Cricket		
	JNTU Zone-C	Volley Ball	10	Runners
		Badminton[Women]	02	Runners
		Table Tennis	04	Winners
		Chess	01	Winners
	JNTUH Central Zone Tournament	Chess	01	Gold Medal
		Javelin Throw	01	Gold Medal
2011-12	CBITFEST VBIT TROPHY TKR TROPHY	Badminton	02	Runners
		Cricket	16	Winners
		Cricket	26	Winners
		Basket Ball		
	JNTU Zone-C	Badminton	03	Winners
		Volley Ball	10	Winners
	JNTUH Central Zone Tournament	Chess	01	Gold Medal

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 Exit feedback is taken from all the outgoing students every year seeking their opinion on the instructions and delivery, infrastructural facilities, library 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 taking into consideration for effective improvements.



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

Aziz Nagar Gate, C.B.Post, Hyderabad 500074, Telangana.

FEEDBACK

Name : Branch : Roll No. :

Present Position (Employment/Higher Studies/Entrepreneur, etc).....

Office : Location : Designation:

Address:

:

Ph. No. : Mobile : E-mail :

Dear Student,

Hearty Congratulations on your **Graduation** in Engineering / MBA / MCA course work.

The College requires your candid feedback on the Institute.

We request you to give your considered answers to the following questionnaire.

* * *

Note the marks allotted to each question in the square bracket opposite the question.

	Marks		Marks		Marks		Marks
Very Well	3	Well	2	Partly	1	No	0
Very Good		Good		Satisfactory		Not Satisfactory	

- Are you familiar with the vision, mission and goals of the college? []
How do you rate?
- The Library []
- The computing facilities in the college. []
- The language Lab (ELCS) []
- The communication facilities like Phone, LAN, WAN, INTERNET []
- The Photocopying (Xerox) facilities []
- The usefulness of the college publications like Handbook, Newsletter, Yearbook etc. []
- Classrooms and teaching aids []
- Labs []
- The quality of classroom instruction []
- The quality of lab instruction []
- The quality of Handouts given by teachers at the beginning of the semester []
- Training and Placement activities of the college []
- The learning environment in the college []
- Your learning experience in the college []
- The Management of the college with respect to response, responsibility and commitment to the needs of students. []
- Sports and Games facilities []
- Your suggestions for further improvement of the college. []

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Signature of the Student

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

- The Institute in association with its allied colleges publish the news letter “Cart Wheel” in which the information with regards to the achievements and other activities of the department and also provide opportunities to students and faculty to publish their articles.
- Students are given the required motivation and conceptual help for preparing technical papers at National level paper contests and financial support is provided as per norms.
- Department encourage the students to prepare and display the working models during VJITFEST, Departmental Association Day Celebrations and Engineers Day Celebrations.
- Department also encourages the students to prepare and display in the department notice boards about the latest information in the concerned fields and working models etc.
- **WALL for the first year students** : The VJIT Wall has given an opportunity to the students to share the knowledge and create awareness among the student community regarding various issues like Science & technology, music, sports, gadgets, wonders of the world, historical monuments, current affairs, etc. Viewers can give their impressions.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

YES.

The following are the Student Associations of the different departments of the college.

EEE : Electrical Students **CON**fedracy (**ESCON**),IEEE,IETE,ISTE

ME : Mechanical Engineering Association (**MEA**)

ECE : VJIT-IEEE Student Chapter, VJIT-IEEE Student Branch Signal Processing,
VJIT-IEEE Women In Engineering, VJIT-IETE-VJIT-ISF, ISTE

CSE : CSI,ISTE,IEEE

IT : ISTE, CSI, GSA, UMO, TechPotent

The executive committees of these associations comprise President from final year, Vice-President from pre-final year, Secretary from first or second year and Treasurer from third year. The associations conduct the activities under the guidance of the faculty representatives. The following are the activities generally undertaken by the departmental associations

1. Expert Lecture
2. Technical Talk
3. Technical Quiz
4. General Quiz
5. Aptitude Test
6. Workshop
7. Group Discussion
8. Essay Writing

TheISTE registration fee of Rs.200 is mandatory for all newly admitted students.

In addition to the ISTE, Institute has other professional student chapters such as IETE, IEI, CSI, SPIE, OSA and IEEE also exist. The interested students take the member ship in these chapters. The college also makes budgetary allocations for student 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.

Academic Bodies

- Class Monitoring Committee
- Library Committee

Administrative Bodies

- Anti Ragging committee
- Women Grievance Redress Committee
- Canteen Committee
- Teachers day, Engineers day, Technical Fest, Annual Sports and College day committees.
- Student chapters of IETE, ISTE, IEI, CSI etc

Student members represent the various issues and present their ideas at the respective committee meetings. Their suggestions are given due importance in arriving at decisions. The involvement of students in these creates better understanding between the administration and students, further brings to lights the time of thinking of the administration on college matters.

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

a) 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 seek their advice and support for the development of the institution.
- The departments seek the opinion /suggestions of alumni on various developmental activities.
- An alumni portal is created in the college website for better interaction between the college and alumni.
- The alumni association encourages their juniors by extending cash awards to meritorious poor students.

b) Network with the Former Faculty Members:

- The faculty who left the college maintain good rapport and cherish their association with the institute.
- They are invited to all the important functions of the college and they respond positively.
- The faculty who left the institution have rejoined the institution which itself shows the cordial relation the institute maintains.
- The department invites the former senior faculty to deliver guest lectures and also to extend their expertise in Research and Development.

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 – Mission and objectives of the Institute

Vision

- To develop into a Reputed Institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through intellectual, cultural and ethical efforts with human values.
- To foster Scientific Temper in promoting the world class professional and technical expertise

Mission

- To create world class infrastructure facilities for optimization of knowledge acquisition.
- To shape the students holistically, to make them competent in theory and applications so as to excel in global scenario.
- To imbibe research oriented teaching-learning practices.

Distinctive Characteristics of the College

- Readiness to provide Infrastructural facilities and learning resources
- To impart engineering education to rural and suburban students on par with urban students.
- Organizing training programs to staff, students and unemployed youth.
- To transform the students into technically skilled, knowledgeable and socio economic personalities by providing value added education.
- To start industry driven P.G. Programmes in various disciplines.
- Sensitizing the surrounding public on health and Integrity issues.

Vision for the future

- To attain Accreditation from NAAC and Reaccreditation from NBA.
- To have MOU's with Industries, Universities and R&D Institutions.
- To develop as a one of the best Institution in the State.

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

- The institution is governed by the Vidya Jyothi Educational Society. The college is governed by well-defined Quality Document.

- The Management, the Principal and the staff/faculty are always working together for designing and preparing applications of the quality policy and plans.
- The Director/ Principal of the college is the head of the institution and provides requisite leadership to the system.
- The Secretary/ Correspondent keeps on meeting the college staff to discuss various policy matters and their application and adjudication.
- The Director/Principal ensures that all provisions of the University bye-laws, the Statutes and the regulations are observed.
- The Director/Principal convene meeting of the College Academic Committee (CMC) and forms resolutions.
- The Director/Principal also convenes meetings of the College Management Committee (CMC), and discusses the proposals of CAC and other key aspects and formulate the necessary strategies and plans to upkeep the quality of education in the campus.
- The Members of the Management, Director, Principal and other officers are always available to the faculty to present their views and ideas. The opinions of faculty and staff will be considered positively for evolving policies.
- The recommendations of the Chairman of the Committees are submitted to the Managing Committee and the Management arrives at suitable decisions for implementation.
- Two faculty members, in the capacity of teacher Representatives in the Governing Body are actively involved in the decision-making process to sustain and enhance quality of education imparted by the institution.

6.1.3 What is the involvement of the leadership in ensuring :

- *The policy statements and action plans for fulfillment of the stated mission.*
- *Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan*
- *Interaction with stakeholder*
- *The policy statements and action plans for fulfillment of the stated mission.*

Management takes responsibility to provide the facilities for learning through state-of-the-art infrastructure and learned devoted faculty. The Management also provides required budget under various heads to promote industry institute partnership, technical skills, Research activities and encourages entrepreneurship.

- *Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan*

Based on the policy statements, the management strictly follows to accomplish the strategic plans. This provides various templates (Process measures) for the various activities, so that the operations are recorded chronologically. These process measures are audited every year.

Action plans

- To achieve NBA Reaccreditation

- To achieve NAAC Accreditation
- To strengthen in house R&D
- To get research grants from DST, UGC and AICTE etc.
- To get more MOU'S with Industries

- ***Interaction with stakeholders***

VidyaJyothi Institute of Technology frequently creates various platforms for interacting with its stakeholders.

- At the beginning of the academic year the management calls for parent's meet and enlighten them with the norms of the institute.
- To obtain the views and suggestions from the parents and to keep them posted with the information regarding their wards attendance, performance in the internal exams.
- Based on the feedback, students are taken care by conducting counseling through the respective mentors.
- Another category of stakeholders are employers, wherein HR policies are circulated as and when changes are there.
- Retention policy, financial assistance and promotion policy are taken care.
- The institution has strong alumni associations and meetings are being held once in a year generally in December last week and takes the suggestions from alumni for the betterment of the Institution.
- Feedback received from all stake holders are critically reviewed, analyzed and further necessary changes are implemented.

- ***Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders***

The various Heads of the Departments review the progress for continuous improvement. Based on the employer's feedback about the students performance in the preceding years, the students are given additional training in the respective areas for improvement. In order to improve the performance of the students, internal assessment methodology is frequently reviewed and modifications are implemented.

The faculties are encouraged with monetary benefits and enhanced facilities for acquiring research projects, consultancy works etc.

- ***Reinforcing the culture of excellence***

Vidya Jyothi Institute of Technology always benchmarks itself against the best industry practices such as developing the MOUs with industries, organizing various student development activities, conducting coaching classes for GATE and other competitive exams. It channelizes the procedures and practices with respect to the prevailing external environment and hence proves to create an atmosphere as Center of Excellence.

- ***Champion organizational change***

In order to accomplish Champion organization changes the VJIT makes use of performance metrics in terms of pass percentage, placement percentage, Paper presentations in conferences, paper publications, consultancy work and Co- Curricular and Extra Curricular activities etc. These are communicated to the faculty to execute and achieve the required outcomes.

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

The College is committed for the effective Implementation and improvement from time to time for the betterment of quality. The decisions taken by the appropriate regulatory bodies of the institution such as GB, CMC, CAC are effectively implemented by the respective committees for the betterment of the students/institution. Noticing the challenges during implementation will be reviewed and replaced with suitable alternative actions. The college shall have a Governing Body (GB) constituted as per UGC guidelines. Principal shall be the member Secretary and arranges the Governing Body Meetings. Governing Body meets at least once in six months. The appropriate body will gauge the impact of the decisions and evaluates the effectiveness and devises plans and mechanisms for improvement from time to time. The respective Committee takes up the task of monitoring and implementing successfully. The Principal of the college, at the helm of the affairs, has complete autonomy to govern the institution within the purview of the rules and regulations framed by the government and affiliating university.

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

The top Management will provide adequate freedom to faculty for strengthening teaching–learning process, academic advancement, nurturing multifaceted talent in students. Faculty will be at liberty to formulate plans to achieve excellence. The management accepts the plans submitted by the faculty for curricular and extracurricular activities, encouraging enthusiastic learners for professional competency. Faculty are also given flexibility in designing new experimental set ups in laboratories, taking up in house R&D projects and projects from external agencies such as UGC, AICTE, DST etc,. The financial freedom given to the faculty in implementing the creative and innovative practices in the institution will certainly leads to leadership quality.

Conference Papers

S.No	Name of the faculty	Title of the paper	Name of the Conference	Date & Year of Publishing
1	Dr P Venugopal Reddy	Engineering Education: challenges, threats and opportunities	International Conference on Transformations in Engineering Education, ICTIEE B.M.S College Of Engineering, Bangalore	5 th to 8 th Jan 2015
2	Dr A Padmaja	Transforming Under Graduate Education in Engineering and Technology Project based Learning : Educational Leadership	International Conference on Transformations in Engineering Education, ICTIEE B.M.S College Of Engineering, Bangalore	5 th to 8 th Jan 2015
3	M.Ravi	Collaboration between Industry and Engineering Education	International Conference on Tranformations in Engineering Education, ICTIEE B.M.S College Of Engineering, Bangalore	5 th to 8 th Jan 2015
4	M.Rajendra Prasad	Project Based Teaching methodology for Embedded Engineering Education	International Conference on Tranformations in Engineering Education, ICTIEE B.M.S College Of Engineering, Bangalore	5 th to 8 th Jan 2015
5	DrArchanaaDongre	Transformations in teaching & learning in Engineering education <i>Transformation with transforming mind</i>	International Conference on Transformations in Engineering Education, ICTIEE B.M.S College Of Engineering, Bangalore	5 th to 8 th Jan 2015
6	Prof S M Zafarullah	Effective teaching methodologies in Electrical Engineering	International Conference on Tranformations in Engineering Education, ICTIEE B.M.S College Of Engineering, Bangalore	5 th to 8 th Jan 2015
7.	Dr A Padmaja	Importance of Research at Undergraduate level,	International Conference onTranformationsin Engineering Education,ICTIEE Hubli	Jan 16 th to 18 th 2014
8	Dr R Ramakrishna	Temparature distribution in a circular disk heated by a rolaloring Source	The National Conference on Advancements and Innovations in Engineering, Technology & Management, JBERC, Hyderabad,	19 th & 20 th March 2014
9	Dr R Ramakrishna	Study of Entrepreneurship Awareness & Skills among Engineering Students	The International Conference on Next Generation Education for Entrepreneurial Engineers (ICNGE ³), SR Engineering College, Warangal,	10 th & 11 th March2014
10	Dr R Ramakrishna	Neural Networks Forecasting Yield per Hectare of Jowar in AP	The International Conference on Recent Advances in Mathematics (ICRAM-2014), RTMNU, Nagapur,	20 th to 23 rd January 2014.
11	Dr R Ramakrishna	Modeling seasonality in Monthly peak load in Andhra Pradesh electricity system	The XIX Congress of APSMS 2010 and National Conference of Mathematical aspects of Cryptography JITS, Karimnager, A.P	12 th to 14 th , Nov 2010

12	Dr R Ramakrishna	Modeling seasonality in weekly peak load in Andhrapradesh electricity system	The role of statistical thinking and systems in expanding the horizon of science and 3 rd national statistics day SVU, Tirupati	28 th to 29 th , June 2009.
13	K Sreelatha	Impact of Education System on Emerging Social Entrepreneurs and Instructional practices at the Institutional Level	Next Generation Education for Entrepreneurial Engineers[ICNGE3]SR Engineering college, Warangal	10 th and 11 th March 2014
14	Dr V S V Laxmiramana	The Interplay of Technology and Pedagogical Practices	Next Generation Education for Entrepreneurial Engineers[ICNGE3]SR Engineering college, Warangal	10 th and 11 th March 2014
15	Dr V S V Laxmiramana	Curriculum Design and Instructional Practices for Experiential Learning	International Conference on Transformations in Engineering Education, ICTIEE Hubli	Jan 16 th to 18 th 2014
16	Dr. Sareen Raj	Fighting Evil :Exploring Human Rights in Annu Subramaiaans “Another Heaven”O	Osmania University ,Hyderabad	17th to 19th Dec 2014
17	Dr. Sareen Raj	Amitav Ghosh in an Antique Land	Osmania University ,Hyderabad	3 rd to 5 th Feb 2014
18	Dr. Sareen Raj	ShimitAminsChakde India and Gurinder Chadas Bend it like Beckham: Women Diaspora, sports and Nationalism	CASSI-OUCIP. Hyderabad	22 nd to 24 th Jan 2014
19	Dr. Sareen Raj	New Direction in Comparative Literature	MANUU HYD	9 th to 10 th March 2011
20	D.I. Priyadarshini	Rabindranath Tagore: A Sesquicentenary Rendezvous	SVU TIRUPATHI	1 st & 2 nd March 2012
21	D.I. Priyadarshini	Developing Writing Skills in English	DU KUPPAM	25 th & 26 th March 2009
22	Syed Azeemali	English for Specific Purpose Fulfilling the Needs of 21 st Century Learners	ICOPE Palamurru University Mahabubnagar	15 th & 16 th Feb 2012
23	K. Padma	Dialectics of Language and Literature	VSU NELLORE	3 rd & 4 th Nov 2014

6.1.6 How does the college groom leadership at various levels?

To help the Principal in his administration, college identified four broad areas for academic and administrative excellences and each area is headed by a Convener.

- i) Academic Affairs
- ii) Planning and Monitoring
- iii) Student Affairs
- iv) P.G. Studies, R & D and Consultancy

I. Academic Affairs:

- Teaching-Learning process.
- Library and Laboratory Development.
- Academic Development.
- Examinations.

II. Planning and Monitoring:

- Planning and implementation, including Quality Document.
- Recruitment
- Training and Placement
- Industry-Institute Interaction
- Entrepreneurship development

III. Students Affairs:

- Student Facilities
- Student Counseling
- Extracurricular activities.
- Student Discipline
- Student grievance and redressal cell
- Alumni Information.

IV. PG Studies, R & D and Consultancy:

- Engineering PG studies
- Research and Development
- Consultancy

Conveners – Functions:

- He is overall in charge for the respective areas under him and he shall ensure the success of these programs.
- He will make recommendations to Principal on formulation of various committees.
- He will convene meetings of those committees at least once in two months.
- He shall submit reports to the Principal twice in a semester on the programs.

Committees:

Every committee shall have a co-coordinator and two or more members. Coordinator will be in charge of the committee and its programs. These committees assist the Convener in the discharge of their duties. Each activity given under the Convener will have a committee.

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?

- Decentralized governance system with well defined inter relationships are available in the institute.
- Adequate systematized autonomy to all the departments and sections.
- Financial freedom is given to each HOD to up to Rs 5000/- to meet the immediate needs of the Department.

- To distribute work load to faculty.
- To identify the add on courses to deliver.
- To identify the content beyond syllabus.
- To organize various faculty and student empowerment programs.
- Preparation of Proposed budget for the department for the next Academic year.
- HOD is given autonomy to purchase equipment required for the department as per the guidelines.
- Empowering the faculty member who is in-charge of a lab to prepare the laboratory requirements.

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

YES

College has a College Management Committee (CMC). It is the implementation and reviewing body as per the suggestions of the Governing Body. The College Management Committee is constituted with Chairman, Vice Chairman, Secretary & Correspondent, Treasurer and Joint-Secretary. Director and Principal as members. The CMC meets at least once in three months to take stock of Academic, Administrative and developmental activities to implement the policies. The CMC may invite all or some of the members as per need. Minutes of the meeting will be recorded. Secretary & Correspondent will communicate the resolutions to the Principal for implementation. The CMC meetings will be held during 1st half of March, 1st half of July, 2nd half of September and 2nd half of December. Budgetary allocations will be made in March to meet the next year activities after reviewing the current year's utilization and overall expenditure. During July and December CMC meetings, Faculty Performance Appraisal will be reviewed in detail. In December session current year's budgetary utilization will be reviewed.

The Director/ Principal will have meetings with HOD's once in a week to discuss various Academic/ Co Curricular/ Extra Curricular activities. The various activities such as Tech. fests, Annual day celebrations, Sports meet etc., are held with the involvement of HODs, faculty and students.

Every month department meetings are being held in all departments where internal issues within the department are discussed. The Director/ Principal/ Academic Coordinator will attend the departmental meeting and solve the problems then and there only. Every fortnight staff council meetings are also held to discuss and decide issues at the institutional level. Suggestions of Heads of the departments are perceived well by the top management. The Secretary & Correspondent will address the staff meetings very frequently to motivate the faculty and to share the problems if any and to resolve.

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?

YES, Quality Document defines College Policies on all the issues for quality assurance. Quality policy is derived and aligned with respect to the vision and mission of the institution. Quality policy clearly states the objectives of the institution. They shall be implemented scrupulously encouraging improvement and innovation at various levels, and developing the institute into a Centre of Excellence thus increasing the stakeholders' confidence and providing quality service to the society. Based on this the quality policy of the college is developed and adequate awareness is given to all stakeholders through website and publications of the college. IQAC of the college determines the strategies to be followed for enhancing quality in every aspect of the college functioning and the concerned committees deploy and review the same.

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 have a perspective plan for the development. The promoter society is committed for the aspects of development of education, augmentation of infrastructural facilities and growth of the institution. It specifies targets to the institution along with allocation of budget. To arrive at the target to be specified, Management seeks the information from all stakeholders, observers and evaluates the best practices and strategies of other institutions those are striving for excellence. In line to the views of the Society, college determines the needed infrastructure for academic advancement, bringing excellence into the activities and allocates budget accordingly.

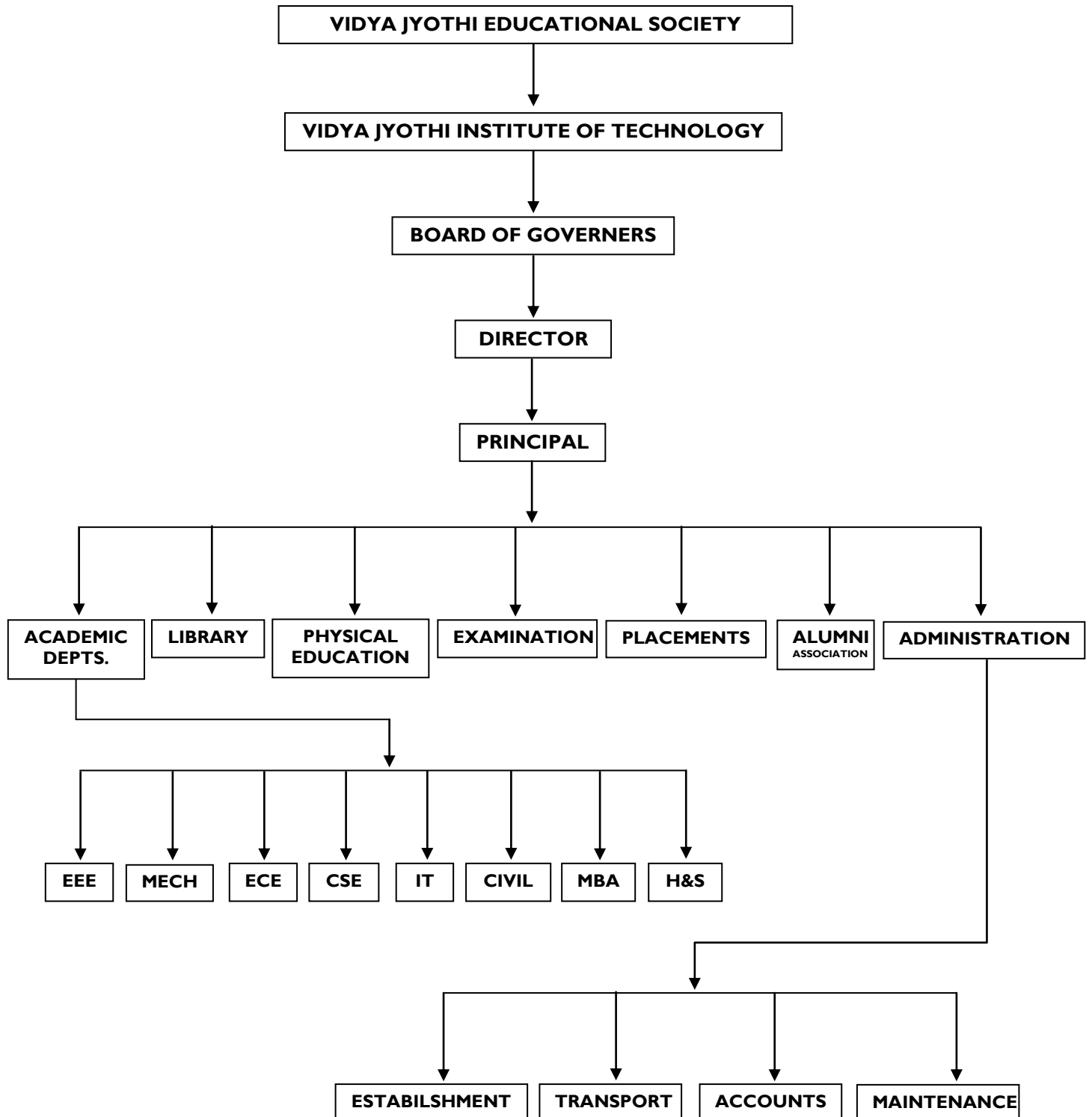
- Allocation of budget to take up in house R & D as a measure to improve research activities
- Networking all the Labs for effectively implementing ICT
- Development of e-learning materials
- Industry specific projects
- Establishing e-classrooms.

6.2.3 Describe the internal organizational structure and decision making processes.

- The Chairman (GB) is the functional head of the college. He mainly looks after academics, development of infrastructural facilities and overall institutional growth. Chairman presents the proposals before the Governing Body for its approval.
- The Secretary & Correspondent is the chief executive of the College. He coordinates between the sponsoring Society, College Management Committee and the Governing Body.
- Director advises the Management and Principal on academic, administrative and developmental activities by keeping himself apace with the latest trends in education. He shall be an active experienced person having distinguished himself in academic and administrative work.
- The Principal is the chief academic administrator and a bridge between the Management, Staff and Students.

- Conveners help the Principal in his administration, in the hierarchical order the Conveners are between the Principal and HODs.
- Coordinators of all committees will report to their respective conveners
- HODs shall report to the Principal on the matters that come within their purview.
- The Conveners will be guided by the policies of the college in the matters that come under their purview. Every committee shall have a co-coordinator and two or more members. Coordinator will be in charge of the committees and its programs. These committees assist the Conveners in the discharge of their duties.
- HOD is responsible for the functioning of that Department as per the laid down policies of the college. HOD will prepare budget estimation for the Department. HOD will constitute various committees in the department to help in various matters.

ORGANIZATION CHART



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

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

Teaching & Learning:

- Collaboration with IUCEE (Indo US Collaboration of Engineering Education) for quality of teaching & learning.
- Collaboration with IIIT Enhance education on learning by doing, POGIL: Process oriented guided Inquiry learning and MOOC'S like course content development.
- Provision of State-of-the art Labs, learning resources in Central Library & Information Centre and department libraries.
- Ergonomically designed Computer labs with networking facility
- Provision of e-classrooms
- Development of student support material
- Organizing Remedial classes
- Delivery of Add-on-courses
- Conduct of pre-placement training classes and campus connect programs
- Conduct of GATE coaching classes
- Structured course files and lab manuals on all courses
- Academic audit
- Continuous improvement of resources

Research & Development

- Formation of Research committee
- Allocation of budget for in house R & D
- Incentives and rewards for publication of Research papers in National and International journals.
- Financial assistance to students for attending National and International conferences.

Community Engagement

- NSS activities
- Blood Donation Camps
- Free medical camps
- Training unemployed rural youth
- Providing computer training to school children.
- Development of models for facilitating learning in schools

Human Resource Management

- Transparent policy document
- Transparent and scientific way of selections
- Imparting related training
- Formulation and communication of policies of the college
- Support for academic advancement
- Systematic performance appraisal system.
- Democratic way of administration with participative management

Industry interaction

- Organization of industrial tours
- Deputing faculty and staff for industrial training
- Guest lectures by the experts from industry

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 management and head of the institution are always in interactive mode with each other. The head of institution and CMC will get the feedback from parents, alumni, industry, teachers and students with regard to the teaching quality, curriculum, extracurricular activities and infrastructural demands. In the meeting of the college Management Committee the information gathered from different sources are discussed with the members. After thorough discussions and deliberations of the existing facilities and activities of the institution are reviewed and decisions are taken for their improvement and implementation after going through the available resources and modalities. The decisions taken and activities of the institute will be communicated to all stakeholders through college website and news letter published by the college.

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

Management encourages the qualitative suggestions of the staff and suitable ones finds place in decision making. After taking decision on a particular issue, concerned committees will implement with true spirit with the guidance and cooperation of all the members. Faculty encouraged through incentives for acquiring P.G and Ph.D degrees, publishing papers, sanctioning additional incentive increment based on API score etc.. Thus promoting belongingness in faculty and staff which in turn paves the way for effectiveness and efficiency of the institution.

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

a) Governing Body Meeting Resolutions & Action Taken for the last year Agenda No. Governing Body Minutes Action Taken

Governing Body Meeting Resolutions and Action taken(28.1.2015)		
Agenda No.	Governing Body Minutes	Action Taken
I	The Board after the review, approved the minutes of the meeting which was held on 17 th July 2014. The BOG minutes are enclosed	Approved
ii(a)	Academic Performance of the students	Noted
(b)	R&D activities: The Principal brought to the notice of the Board about the R&D activities at the College A major research project with amount- lay of Rs. 50.15 Lakhs sanctioned by the DRDO is an ongoing project. The following four minor projects have been approved by UGC under 2(f) &12(B)	Noted
(c)	Funding for the following Six research Projects from AICTE and UGC have been applied	Noted
(d)	Placements: The Principal informed the Board that about 150 students are placed in various companies like Kony labs, GENPACT, Amazon, Mphasis, Inrhythm, Virtusa, MindTree, Celigo, Open Text and others, in this academic year. It is also informed that the efforts put by Placement and Training division are successful in reaching the target. The List of students placed in various companies is enclosed here with.	Noted
Iii	To discuss about the Infrastructural development of College	Noted
Iv	review the status of preparation for U.G.C. Autonomy, Reaccreditation of N.B.A. and N.A.A.C.	Noted
V	Application to A.I.C.T.E. The Board has decided to apply for Extension of Approval Only (EOA) to AICTE, and to maintain Status-quo in Intake for the existing courses for the academic year2015-2016.	Noted and Approved
Vi	Establishment of IQAC As a quality sustenance measure, it is proposed to establish an Internal Quality Assurance Cell in the college. The prime task of IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of the Institution. It is also suggested by the Board to follow the guide lines given by the NAAC, Bangalore in establishing the IQAC.	Noted

Governing Body Meeting Resolutions and Action taken(17.7.2014)		
Agenda No.	Governing Body Minutes	Action taken
1	Approval of BOG minutes of the meeting held on 11.01.2014. The Board after the review approved the minutes of the meeting which was held on 11 th January 2014. The BOG minutes are enclosed.	Approved
1 (i)	Review of academic activities	Noted
2 (a)	The Board is also informed about the various activities, apart from the curriculum such as National Workshops, Seminars, Phoenix-a techno cultural Fest, Inaugural of IEEE Student Chapter and many more. The Board expressed its happiness regarding the all the activities held at the College.	Noted
3	Discussion about Placements	Noted
4	Increase in Intake of various courses:	Noted
5	To discuss about the Infrastructural development of College	Noted
6	Permanent Affiliation It is informed in the meeting that the college is granted Permanent Affiliation on 07.02.2014 for five years.	Noted
7	To discuss about the application for U.G.C. Autonomy, Reaccreditation of N.B.A. and N.A.A.C.	Noted and Approved
8	Recruitment of Teaching Staff	Noted

7 b) CMC Meeting Resolutions & Action Taken for the last year

July 2014

Agenda No.	College Management Committee Meeting Minutes	Action Taken
1	ESI Facility for eligible staff	Implemented
2	Infrastructural facility has been created to suit the needs of increase in intake	Implemented
3	Construction of additional floor in A-Block	Implemented

OCTOBER 2014

Agenda No.	College Management Committee Meeting Minutes	Action Taken
1	Renewal of NBA	Initiated
2	Best teacher awards for faculty members	Implemented
3	Applied for Autonomy	Implemented

January 15

Agenda No.	College Management Committee Meeting Minutes	Action Taken
1	Additional Floor in B-Block	Initiated
2	Erection of 100 KV solar panel	Initiated
3	Policy for students for attending National and International Conferences	Implemented

April – 2015

Agenda No.	College Management Committee Meeting Minutes	Action Taken
1	Disussed on R & D Projects Gratnted	More projects to be applied in the next Academic Year 2015-16
2	UGC Autonomy Inspection	Waiting for the Autonomy status
3	Establishment of IQAC	Initiated

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, Autonomous status has been conferred by the JNTUH. The university authorities after thorough inspection of the Institution regarding its infrastructure facilities, faculty status and laboratory facilities etc. accord the status of Autonomy to the Institute.

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?

Grievance and redressal committee is constituted in the college to attend the grievances.

All the grievances addressed by the stakeholders are examined by the Grievance Redressal Committee and appropriate solutions are suggested.

Grievance Redressal Committee for staff:

- | | |
|-------------------------------|----------|
| 1. Dr. P. Venu Gopal Reddy | Chairman |
| 2. Dr. A.Padmaja | Member |
| 3. Mrs. G.Srilatha | Member |
| 4. Mr. R.VenkataChalam | Member |
| 5. Dr. B.Sathyanarayana Reddy | Member |

Staff can also lodge a complaint personally/ write/e-mail to any member of the Cell. Suggestion/ Compliant Box are provided at Office of Principal for staff to lodge their complaints/ suggestions.

Functions:

1. To identify systemic flows and flaws in the design and administration of various issues and to seek solutions
2. A grievance Redressal committee looks in to the complaints from the aggrieved.
3. The report of grievance committee is forwarded to Principal for further action
4. The corrective measures are taken and recorded in the register.
5. Complaints can be sent to **grievances.employee@vjit.ac.in**

Grievances and Redressal for students

Grievances Redressal Cell is formed in order to keep the healthy working atmosphere and to uphold the dignity of the College by ensuring strife free atmosphere in the College to promote cordial relationship among Students and between Student and teacher. This Cell records the complaints given by the students /parents and solves their problems. Suggestion / complaint boxes have been installed at different places in the College campus. The person concerned can personally approach /write / e-mail to any member of the Cell.

Grievance Redressal Committee:

1. Mr.S.M.Zafarullah HOD (EEE)	Chairman
2. Mrs. G.Srilatha	Member
3. Dr.M.V.Krishna Rao HOD (ECE)	Member
4. Dr.V.V.Krishna HOD (CSE)	Member
5. Dr.ArchanaDongre HOD (CIVIL)	Member
6. Mr.G.Sreeram Reddy HOD (Mech)	Member
7. Mr. B.Srinivasulu HOD (IT)	Member
8. Mr.SubramanyaSarma HOD (MBA)	Member
9. Dr. Krishna Kumari HOD (H&S)	Member

Functions:

1. A grievance Redressal committee is formed to look in to the complaints from the aggrieved.
2. Suggestion/ Compliant Box are provided at Office of Principal for students to lodge their complaints/ suggestions.
3. The report of grievance committee is forwarded to Principal for further action
4. The corrective measures are taken and recorded in the register.
5. Complaints can be sent to **grievances.student@vjit.ac.in**

Women Grievance Redressal cell

In view of the increasing number of girl students in the campus, Women Grievance Redressal Cell makes every effort to ensure that the girls feel at home. The cell resolves common problems of girl students and also takes up individual cases of sexual harassment, if any in this respect is punishable.

Women Grievance Committee

1. ArchanaaDongre (CIVIL)	Chairman
2. Mrs. Srilatha	Member
3. Dr.KrishnaKumari (H&S)	Member
4. Mrs.A.R.Vani (EEE)	Member
5. Mrs.T.Devi (IT)	Member
6. Mrs.M.VijayaShanthi (CSE)	Member
7. Mrs. J.Emeema (MECH)	Member
8. Mrs. A.PrasannaLaxmi (ECE)	Member
9. Mrs.SuneelaBharathi (MBA)	Member

Functions:

1. The Cell will deal with the cases / complaints of sexual harassment and any other type of harassment of the female students, teaching and nonteaching women staff of the college.
2. The Cell shall process all the individual complaints and take suitable action there on in the manner and mode as per the college norms.

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3. The Cell will provide assistance to the Faculty/Colleges/Institute for taking preventive steps in the matter of gender discrimination and sexual harassment.
 4. The Cell may form / review the guidelines / policy for redressal of the grievance as required from time to time, which may be in accordance with those issued by Supreme Court and Government Agencies If you are being harassed, this is what you can do:
 5. Keeping record of all incidents of women harassment.

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?

- N I L -

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

Yes

The college has a mechanism for analyzing student feedback on institutional performance. Each year students are given an opportunity to provide confidential feedback on various aspects of the college functioning such as

- The college administration, the faculty and non-teaching staff.
- The academics like the course content, departmental activities, teaching-learning process, assessment, research and extension activities.
- The infrastructure facilities such as class rooms, Labs, Library and ICT facilities,
- Amenities like canteen, reprography, stationary, health center, games, sports and other facilities.
- The feedbacks on the above aspects are taken in a standardized questionnaire from Students, Alumini and Parents.

Feedback on faculty

- The institute has a clearly set and defined mechanism of obtaining the feedback from the students to improve the performance and quality of the institutional provisions
- Student feedback taken twice for the academic year on a 10 point scale faculty evaluation format
- After thorough analysis, the head of the department provides his views and suggestions and communicates the same to the concerned faculty
- The improvement of the performance of that faculty will be monitored through subsequent feedback

- Performance Appraisal system: reflects the performance of the faculty in terms of academics, research, extracurricular and administrative responsibilities.

Student Exit feed back

- The advisory committee consisting of the senior teachers collects the exit level feedback from the graduates regarding learning processes.
- The inputs obtained from them and further used to improvise the overall competency of the students for employability.

Alumni feed back

- Feedback from alumni is taken every year on the day of MILAN – Annual Alumni meet in the month of February
- Alumni experiences in industry and higher studies on the relevance of the curriculum and the changes that can bring in the institute.
- Back received from alumni is thoroughly analyzed and used for continuous improvement of the courses.

Parents Feedback

- Parents feedback is taken on their satisfactory levels on the performance of their wards in the institution
- Parents interact with the faculty and Management yearly once.
- The suggestions from parents are considered for the improvement of the institute.

6.3 Empowerment Strategies

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

- Providing Training to teachers for excellence.
- Sponsoring Faculty & Staff for higher education
- Sponsoring Faculty & staff for attending workshops, conferences at national and international level by granting academic leave.
- Organizing Faculty development programmes.
- Organizing skill development programmes.
- Providing industrial training to faculty.
- Encouraging faculty to deliver guest lecturers outside.
- Systematic organization of professional society activities.
- Organizing various professional development activities
- Facilitating faculty to take up various roles in professional societies
- College motivates faculty for research and development by providing facilities like research labs, Equipment etc.

The Institution believes in the value-based, culture oriented and quality education. The following are efforts made by the Institution to enhance the professional Development of its teaching and non teaching staff.

- College provides Sponsorship to faculty for perusal of higher studies.
- College providing the registration fee and deputed the faculty to attend workshop, conference, seminar, symposia and training programs to other reputed colleges, Industries.
- College organizing in-house faculty development programmes, administrative skills development, value based programs, teaching learning courses to enhance professional skills.
- Every Year e-journals like IEEE, ISTE, CSI, Elsevier etc for to enhance the knowledge of faculty as well as students.
- College grants special leaves to faculties for higher studies in the colleges.
- College assists & encourage faculty for availing membership of national, international & professional bodies.
- College gives motivation & encourages the student & staff for arranging industrial training / visits. College motivates faculty for research and development by providing facilities .like research labs, Equipment etc.

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 New Faculty on instructional design & delivery by the senior faculty of the organization.
- Training to faculty on revised courses by eminent external faculty from industry and institution.
- Deputing faculty to refresher courses
- Guest lectures to faculty by external subject experts
- Involvement of faculty in various college committees to enhance their leadership qualities.
- Appreciation of the expertise merit and talent.
- Organizing the corporate training programs like Mission10X.
- College conducts webinars of ISTE, CSI, IUCEE etc, to create awareness in recent trends & developments.
- Financial assistance is provided to motivate the faculty in form of incentives/ additional increments.

College organizes training programmes for personality, teaching skill development of teaching & non-teaching staff. It also enhances administrative skill development of staff by organizing the corporate training programs like Mission10X. Colleges arrange webinars of ISTE, CSI Etc, to aware faculty with the recent trends & development in new areas. It organizes resource lectures of eminent faculty for sharing their experience. College organizes value based

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training of art of leaving, ethical and moral values. Faculty are entitled to be sponsored for training programmes, paper presentations, attending seminars, workshops, quality improvement programme etc. After the recruitment of the faculty, they are given orientation programme about the policies and procedures prevailing in the institution.

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.

Performance appraisal:

Performance Appraisal of the faculty is prepared with various parameters which enlighten the efficiency of the faculty to be considered with a score of 100.

Performance appraisal contains the following parameters.

- Examination results
- Students Feedback
- Interactive teaching approach
- Research papers and Journals
- Publication of articles and books
- Participation along with presentation in Conferences/Seminars/Workshops/Faculty development programmes etc..
- Examination duties assigned and performed
- Co Curricular/ Extra Curricular duties assigned by the college
- Assessment of the teachers by HOD
- Teacher's attitude commitment and achievement with regard to his nonteaching duties
- Consultancy
- R & D which also includes publication of papers, books, etc.
- The mandatory presentations he gives to his colleagues after his return from attending any programme.
- Every teacher has to submit a self-appraisal form at the time of his/her increment duely forwarded by the HOD.

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 scores of feedback are communicated to the faculty in a personal interview.
- Faculty is provided support and guidance for improvement.
- Guidance to Junior Faculty by the expert senior faculty of the same subject.

- Every teacher has to submit a self-appraisal form at the time of his/her increment duly forwarded by the HOD.
- Review of the performance appraisal is made by HOD, Director/ Principal and submits suitable suggestions to CMC.
- CMC review the reports and takes the necessary actions suggested by the Director.
- Based on the score achieved by the faculty financial incentives are provided.
- With a minimum of API score 40 normal increment is given.
- With a API score between 60-80 an extra incentive increment of Rs.1000/- will be Sanctioned.
- With a API score above 80 an extra incentive increment of Rs.2000/- will be awarded.

Each faculty member is required to submit a self-appraisal report annually on the basis of parameters as teaching hours, number of subjects taught, research papers/articles/books published, conferences attended, papers presented in the conferences, new curricula designed/developed, participation in extracurricular/co-curricular activities, extra responsibilities assigned by the university, and other contributions made towards the society. A summary of the Performance Appraisal Report is presented to the Top Management. The scores are communicated to the faculty in a personal interview. After the assessment of the faculty the following are decided offer promotions, additional appreciation and rewards, deciding the regular increments, avail suggestions from the evaluators for improvement.

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?

- EPF: College pays its contribution of 12% of employee's salary per month as per the Govt. norms.
- All the eligible staff members are availing the facility.
- Faculty with five years of continuous service in the college, are eligible for one additional increment.
- ESI benefit of 4.75% is paid to the employee as per the existing Govt. norms.
- All the eligible staff members are availing the facility.
- Transport Facilities: 25% of charges are levied to avail College Transport
- All the required staff members are availing the facility.
- Medical Facilities: Free Medical consultancy and Hospitalization for common ailments: provided through College Medical Centre with one medical officer, and one medical assistant (one female).
- All the staff members are utilizing the facility.
- Maternity leave: six months maternity leave is eligible for women staff.
- The required women staff availed the facility.

- Sabbatical leave to undertake study or research or other academic pursuits solely for the objective of increasing their proficiency and usefulness to the institution on higher education system.
- Extra Ordinary Leave on Loss of pay

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

Incentive for Faculty retention

- After 5 years all faculty are eligible for one additional increment.
- Interest free loan are sanctioned to desired employees adjustable in 10 monthly installments
- Special incentive increment for ten years continuous stay will be given.
- Faculty who scores more than 80% in API score will get an additional incentive increment of Rs. 2000/- per month.
- Faculty who scores between 60% - 80% in API score will get an additional incentive increment of Rs.1000/- per month.

Incentive for acquiring Ph.D degree during service:

- Any faculty member who has been awarded Ph.D shall be given an incentive increment of Rs.3,000/- to Rs. 8000/- per month.
- Any faculty member publishes a paper in a research journal will be given Rs. 1000/for first author and Rs 500/ for second author.
- Computer and internet facility to each faculty is provided.

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?

Institution has well defined mechanism to monitor effective and efficient use of available resources.

The lab in charges submits the proposals as per the lab requirement to the HOD. The HOD after careful discussion will submit the proposal in the prescribed format to the Principal. The principal who in turn will submit them to the CMC. The CMC after assessing the projected income for the academic year, allocates budget to each department depending on their requirements and priorities.

- Purchases will be made through duly constituted purchase committee. The purchase committee receives quotations from three companies and prepares comparative statement and recommends the lowest quoted firm to the accounts to place the order. The accounts department places the orders and purchases the material. After receiving the equipment along

with the bill, the department will test and verify as per specifications mentioned in the purchase order. The HOD will certify and forward the bills to the accounts department after entering in the departmental stock register. The accounts department after receiving the bills shall enter them in the central stock register and payment will be made to the firms. Payments will be made through cheques only to the Firms. Approvals on the bills are obtained from cashier, AO, Principal is in process. In every CMC meeting, Principal presents the Income and Expenditure statements to the BOG/CMC. CMC also allocates additional budget if required to meet the unforeseen needs.

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

Every year, Internal audit will be conducted by the committees appointed by the principal. After thorough verification, committees will submit their appraisals to the principal for follow up action. College accounts will be audited by the qualified chartered accountants. No major audit objections are identified.

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 there serve fund/corpus available with Institutions, if any.

Major Sources of Income:

Tuition fee
Term Loan from Banks
and Promoter Society

Details	2014-15	2013-14	2012-13	2011-12	2010-11
Income	15,62,76,902	15,59,99,124	11,38,11,068	7,39,88,041	7,95,40,288
Academic Expenses	14,83,38,337	15,05,58,593	11,41,61,202	7,01,71,462	6,61,98,567
Administrative Expenses	89,03,441	81,65,751	68,06,524	55,23,420	41,30,302

Funds Available:

Particulars	Amount
Total Reserve fund/Contingent fund	8,02,74,675
Less: Withdrawn for Library expenses	Nil
Net Reserve for Library expenses	8,02,74,675

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

The College has received Rs.3500000/- for conducting TCS online examinations.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

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

YES.

The Institute has established recently the Internal Quality Assurance Cell with the following composition.

IQAC Committee

Chairman: Director of the College

Co-Chair Person: Principal of the College

Convener: Academic coordinator of the College

Members: All Heads of the Departments and two or three members from

Industry/Institutions.

The policy of the institution with regard to quality assurance is:

- Fixing quality parameters for various academic and administrative activities.
- Monitoring the organization of class work and related academic activities.
- Conducting Internal Quality Audits periodically to verify the effectiveness of measures taken in reaching the quality parameters.
- Documenting various programs / academic activities leading to quality improvement and reviewing their effectiveness in quality improvement/sustenance

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

- All the decisions of the IQAC were approved by management for implementation and 90% of them were actually implemented.

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

YES.

The following suggestions of the external members of IQAC have been implemented.

- Conduct of Industry related Certification Programmes.
- Conduct of faculty enablement programmes in collaboration with premier academic institutions.

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

- The student members of Class Monitoring Committees offer their observations / views for enhancing teaching – learning process and conduct of various co-curricular / extra-curricular activities in the institute
- Alumni are very active and productive in analyzing the requirements of external environment and attributes of the other colleagues and communicating the remedial measures to be taken up at institution level.
- Alumni are sensitizing the students by sharing their views in several interactive sessions with students and staff. etc, every year.

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

The IQAC constituted different sub committees in which most of the staff members are involved in formulating and executing the decisions of IQAC. The decisions of IQAC are widely communicated to staff members through circulars / notices.

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

YES.

Academic System:

- a. IQAC is the main academic body to monitor and control all the academic related activities, including the preparation of academic calendar.
- b. IQAC is also responsible for faculty training in the usage of teaching tools in multimedia and

The evaluation of student feedback, peer evaluation and effective counselling.

B. Administrative System:

By forming various administrative related Committees with defined duties and responsibilities of various activities. The student representation in college committees will strengthen the administrative system. Internal and external audit system for college accounts along with the computerization of all office functions.

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.

YES.

Faculty is being deputed to various training programmes related to quality assurance procedures and standards.

Prof. G.Sree ram Reddy is deputed program at engaluru

Srinivas, HOD, IT, Prof.Ravi, CSE, Rajendra Prasad, Assoc. Prof. ECE were deputed to attend

Prof.P.Venu

Gopal

Reddy,Directot,Prof.A.Padmaja,Principal,G.Sreelatha,Acad.Coordinator.Prof.Arc hana,HOD,Civil,have attended and presented papers at IUCEE, Bengalur

S.No	Name of the Faculty	Training Program attended	Place & year
1	Mr.YPraveen kumar Mr T Parameshwar	International Engineering Educator Certification Program (IIEECP), which is offered by IUCEE (Indo US Collaboration for Engineering Education) in collaboration with IGIP (International Society for Engineering Pedagogy) and sponsored by Microsoft.	BMS College of engineering September 2015 Bangalore (one year period course)
2	Prof.G.Sreeram Reddy	International Engineering Educator Certification Program (IIEECP), which is offered by IUCEE (Indo US Collaboration for Engineering Education) in collaboration with IGIP (International Society for Engineering Pedagogy) and sponsored by Microsoft.	BMS College of engineering September 2014 Bangalore (6 months period course)
3	Dr P Venugopal Reddy	Governance and Leadership	ICTIEE 2015
4	Dr A Padmaja	Attributes of Global Engineer & OBE	ICTIEE 2015
5	Dr ArchanaaDongre	Problem Based Learning	ICTIEE 2015
6	Prof Ravi Mathey	Engineering Projects in Community Service	ICTIEE 2015
7	Prof M Rajendra Prasad	Outcome Based Education	ICTIEE 2015
8	Prof S.M. Zafarullah	Effective Teaching and Learning	ICTIEE 2014
9	Prof G Sreeram Reddy	Outcome Based Education	ICTIEE 2015
10	Ms K Sreelatha	Integrating Innovative Entrepreneurship with Engineering Education	ICTIEE 2015
11	Prof K Srinivasulu	Outcome Based Education	ICTIEE 2014
12	Mr R VenkataChalam	Effective Teaching and Learning	ICTIEE 2014
13	Dr B Satyanarayanareddy	Governance and Leadership	ICTIEE 2014

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?

YES.

Academic audit is conducted on the following:

- i) Course files and lab manuals
- ii) Monthly students attendance
- iii) Internal Exam Marks
- iv) Semester Internal Marks
- v) Semester and exam marks
- vi) Semester wise performance and comparison with other University

PPPPaffiliated colleges.

vii) Faculty development programmes and their impact on teaching learning process.

viii) Training programmes to students on entrepreneurial skill development etc..

ix) Co-curricular / extra-curricular activities.

Based on the report of internal academic audit, the Departments review and suitable remedial measures will be taken.

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

The internal quality assurance mechanisms are designed to fulfill the requirements of various accreditation bodies like NAAC, NBA, and affiliating authorities like JNTUH etc.

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

The following methods are considered for formulating the policies on Teaching - Learning Process

- The intra semester and end semester feedbacks on all the subjects are taken from the students for every semester.
- The feedback is analyzed and evaluated on the scale of 10 and every teacher is provided with a copy of feedback for making necessary corrections. Further, teachers are counseled by the head of the department, Principal and Director if required.
- The academic coordinator also receives the feedback by interacting with a selected group of students from each class.
- Monitoring is also done through class monitoring committees (CMCs) to assess the uniformity in syllabus coverage, and also the quality of teaching.

-
- Annual review meetings are conducted to evaluate the knowledge and ability of the faculty in teaching, the quality of course material and assignments prepared by the faculty are assessed internally and suitable suggestions for enriching the course materials.

Evaluation Procedures & Feedback

- The evaluation of faculty by the students through feedback forms is done twice in a semester. This feedback is analyzed and appropriate suggestions are given to the faculty by the HOD concerned and the Principal to see that they rectify the shortcomings.
- The feedback form mainly focuses on the various teaching skills of the faculty members, like presentation, communication, knowledge, content covered, innovative practices and laboratory work.
- The head of the institution interacts with few students of each class and takes the feedback on the teachers about the effectiveness of their classes and learning material provided.
- Performance and self-appraisals are taken from the faculty at the end of every academic year and their performance is evaluated. Based on the evaluation report faculty are counseled or penalized and their annual increments are sanctioned..

Syllabus:

- JNTUH prescribed syllabus will be followed.
- Extra content shall be given based on the skills in demand for employment.

Academic Calendar:

- Number of instructional days, contact hours per week to be followed as directed by JNTUH.
- Additional teaching hours for the extra content shall be arranged after normal contact hours.

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

The institution communicates its quality assurance policies, mechanisms and outcomes through college publications, website and departmental notice boards.

CRITERION-VII

Innovations and Best Practices

7.1 Environment Consciousness

The institution in its practices has always been eco friendly and during the last four years, the campus has been highly sensitive to issues like Clean and Green, Pollution free environment, Tree plantation, Provision of pure water, Water harvesting, Waste water treatment and Save energy etc. the campus stands unique with its lush green expanse, paved pathways, colorful plants, breeze and a serene, soothing environment.

7.1.1 Does the College conduct a Green Audit of its campus?

Yes

Since inception importance is given for development of eco – friendly atmosphere in the campus by the management and allocation of funds is a regular practice in annual budget. Hence, a separate green audit is common phenomenon. The following explanation highlights the commitment of the institution towards eco-friendly campus.

- College is covered with over big trees aged over 15 years.
- Maximum number of trees has been named.
- The college is maintaining lawn scape equipped with water sprinkling system.
- Over 1000 plants in pots spreading over all departments.
- Indoor Plants have been in Staff rooms.
- Bio- manure is prepared in the campus using bio – waste provided out of trees and plants.
- Organic waste of the campus is converted into fertilizer compost within the campus.

7.1.2 What are the initiatives taken by the College to make the campus Eco friendly?

1. Energy conservation

- The college has wide spread arrangements for power connections with a central Substation, Control panel and Power room. Breakers are available at substations and control panels are available at power room. Panels and Distributions boxes are available at individual Departments.
- Underground power cables (Aluminum armed 3 Phase with neutral, 6 mm² to 240 mm²) are used to minimize losses.
- Staggering of classes has been done to reduce peak load.
- Switches are provided outside each classroom/lab to switch off power to these areas when not in use, leading to substantial saving in power.
- CFLs are used in small rooms and corridors along with tube lights.
- Classrooms and labs are designed in such a way that natural lighting and good ventilation are provided.
- Use of Led's Bulbs in some rooms.
- Computers in the lab and staff rooms are in hibernation mode after 30 minutes.
- Bills are mostly paid online.

2. Use of renewable energy :

Many projects were done by the B.Tech students. A few are listed below.

- Solar Electrical Four Wheeler
- Solar Electrical tri cycle for physically challenged
- Solar Skating vehicle
- Solar fencing was done by the students for the institution.
- Solar panel powered four wheeler vehicle.

Research proposals on renewable Energy submitted to UGC

To strengthen the renewable energy research the following projects have been submitted to UGC and awaiting grants.

- Solar Powered Smart Irrigation System
- Solar Air Conditioning System
- Production of Biofuel from Ligno cellulosic Agro feedstock
- Solar Power generation and distribution using micro grid

3. Water harvesting

- There is enough open space and mud paths to harvest the rain waters
- There is enough extent of plantation to reduce evaporative loss and soil erosion
- Rainwater harvesting structures to conserve rain water
- Swales are been constructed for harvesting rain water

4. Check dam construction

There is no check dam in the college premises at present.

5. Efforts for Carbon neutrality

The college at its own level has taken up certain preventive measures to check the emission of carbon dioxide. The college has made arrangements for the parking of the vehicles of the students in the college ground. This helps in keeping the campus as much clean as possible. The dead leaves and the waste papers are not allowed to be put on fire. The leaves are buried in the soil itself and the papers are send for recycling.

6. Plantation

There are many trees with wide branches on the campus. Different plants are nurtured with care. Among the trees there are many Native Species, like Ashoka, Neem, Gulmohar, Pletophorum, Fig, Peepal etc. Kanuga trees which are considered Petro-Crops which are used as Bio-Diesel, to make students aware of non-conventional fuels. The premise is also having Broad-Leafed trees which are helpful in preventing noise pollution. The college has

a quadrangle with a natural green carpet surrounded by nicely cured plants and landscaping is also done with an eye for eco friendly orientation.

7. Hazardous waste management

No hazardous waste is generated in the campus from any Department. The Institute takes all the care regarding the chemicals or other materials which may turn out to be hazardous in nature. Department of Chemistry is the only place where a few concentrated acids are stored for utilization in the B.Tech first year laboratory. All precautions are taken to store those chemicals in a safe and separate room. These chemicals are used by the students in their laboratory classes in extremely dilute form which do not cause any harm to the students or environment. In view of the extremely dilute form of acids used by the students in the laboratory, the waste water is drained out directly. Exhaust fans and fire-extinguishers are arranged in both B. Tech. and Research laboratory of the Chemistry Department. There is a fuming cupboard in the B.Tech. Chemistry laboratory for preparing the solutions of volatile substances like ammonia.

8. e-waste management

The e-waste is sold from time to time to the local people for recycling. An awareness camp has been conducted for the collection of e-waste by ITC-WOW.

9. **Any other:** The waste dry leaves, waste grass from lounge and decomposable litter are used to produce compost manure.
1. Collection of Empty Papers from old record books and binding them together to make a new book, which can be given to poor school kids.
2. Colored Recycling bins in campus for more awareness.
3. Dustbins are placed in the corridors and open areas of the campus.
4. Quotations related to saving environment are placed at various locations in the campus.
5. College Cafeteria is a **NO TO PLASTIC ZONE**.

Adoption of School: Every year the students conduct the following activities

1. Health Camp.
2. Distribution of Books and Stationary.
3. Furniture.
4. Shoes Distribution.
5. Teaching on basic computers, Mathematics and Physical sciences.

7.2 Innovations

7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.

a) Innovative mechanism/ process for internal quality checks

In its quest for excellence, the institution seeks continuous innovation towards quality assurance in academic programmes& administration.

Academic system

- HOD monitors the coverage of syllabus through frequent meetings with staff.
- Periodical collection of student feedback on ten point scale of 10 parameters.
- Handouts with lecture plan, assignment questions, useful Uniform Resource Locators (URL) and references are distributed to the students in the beginning of the semester.
- Content Preparation is made available to all the students.
- Regular monitoring of academic activities through College Academic Committee (CAC).
- Periodic collection of student feedback on individual subject teachers.
- Review of performance of teachers based on feedback and pass percentage of students at university examinations.
- One mentor for every 15-20 students.
- Remedial classes, to make up for weak and slow learners.
- Automated student information system
- Feedback from all the stakeholders to improve the system.
- Inviting experienced people from academics and industry for delivering guest lectures.
- Incentives for those carrying out research and publishing papers/participating in Seminars/Conferences.
- Parents are informed about the absence and performance of their wards.
- Computerized attendance and marks system is available

Administrative system:

Administrative mechanisms in place for quality assurance are:

- A separate examination section with coordinator of examinations
- Training and Placement Cell is separately available to take care of all the aspects related to placements
- Grievance redress cell to attend the problems of students.
- R & D wing and R & D database have been created and is under use.
- College administration is run through participative management of HODs and the Principal. All decisions are taken jointly and implemented. The implementation is also monitored jointly.
- There is a centralized research committee with Director, Principal, and Heads of the department.
- Phoenix National level Techno cultural fest is conducted.

b) Quality assurance for academic programmes

Academic Planning

- The course syllabus, lesson plans and other handouts are given to the students at the beginning of the semester/year.
- Faculty meetings are held regularly by HOD to monitor course progress.
- Co-curricular and extra curricular activities such as NSS and other social activities are conducted.
- Feedback is formally collected from the students twice in a semester and is reviewed. The faculties who obtain less feedback are advised to improve their skills.

Student evaluation

- At college level two midterm examinations in a semester are conducted for internal valuation for 2nd, 3rd and 4th year students. For 1st year three mid exams are conducted.. The university conducts the end semester examination.
- Evaluation procedure & guidelines are given to the staff for both theory & practical exams as per JNTUH norms. Students can bring to the notice of concerned teacher about the anomaly in the evaluation of his/her answer script in the internal examination.

Automation of student information

- Automated information sharing mechanisms (EZ School) implemented by the institution enable close monitoring of student performance as well as attendance and helps in passing on the information to their parents.

c) Quality assurance for administration

- The institution has been granted the status of permanent affiliation for five years by the affiliating university JNTUH in 2014.
- The UG engineering programme in CSE, ECE, EEE, ME and IT have been accredited for three years in 2011 by NBA.
- Enhanced placement record.
- Improvement in faculty expertise leading to qualified faculty.
- Provides opportunities to non teaching staff to enhance their skills and qualifications.
- The principal handles the admission process of the students assisted by the Administrative officer. Students are admitted through EAMCET counseling as per Government procedures. Students are enrolled under management quota as per Government norms.
- Maintenance of all buildings and other infra structures are carried out by maintenance team.
- Physical director looks through all sports activities for boys and girls.
- Technicians in all departments look after the repair and maintenance of lab equipment.

- HOD and senior faculty of each Department look after the teaching and learning process in each Department.
- Purified Drinking water is assured for all students & staff.
- Very Good canteen facility is provided.
- Two generators are installed to backup electrical supply for the entire campus.
- There is a big playground to provide sports facilities for boys and girls.

d) Strategies evolved in promoting innovations in teaching, learning and evaluation processes

- Apart from text and reference books, digital learning material is provided in the library to promote self-learning.
- ICT tools used in teaching-learning process.
- Students are taken to Industrial tour once in a year.
- Eminent scientists and Engineers are invited to deliver guest lectures.
- **Pheonix**, a techno cultural festival is organized.
- Students are encouraged to present papers in National and International forums.
- Evaluation is based on two internal exams and one external End semester exam.

e) Innovations in Research and Development and Extension

- Research committee reviews the R & D activities in the college.
- R & D labs are established in each department.
- Inter-departmental research projects are encouraged.
- To create awareness and opportunities in Research and Development among the faculty and students and to create Research and Development atmosphere in every department R&D cell is established.
- Faculty are encouraged to improve their skills and qualifications.
- Financial benefits are given to the faculty for their academic improvement.
- The institute encourages staff members and students to publish technical papers in National and International Conferences/ Journals;
- To undertake research activities and development projects offered by agencies such as DRDO, DST, AICTE, UGC, etc.
- Departments are encouraged to apply to various available funding agencies for funds to organize Seminar/Workshop/FDP etc..
- To coordinate faculty level workshops and staff development activities on research-related issues.

The College earmarks Rs.10.0 lakhs budget every year for in house R &D

- The college also provides budget for advance software packages necessary to carryout research projects.
- Reference books, e- journals are also added to the college library for the use to the faculty and students to carry out their research activity.
- The college provides seed money to the faculty for presenting technical papers at national and international conferences (USA, China, Singapore, Italy , Belgium and Indonesia) by sanctioning on duty leave and TA/DA.
- The institute provides seed money to students for going to industrial tours and participating in National and International workshops and conferences.

- Encouraging faculty to register for Ph.D. (24) faculty members have been registered for Ph.D.
- Provision for sanction of study leave for a maximum of two years for pursuing M.Tech course in Universities/ Institutes and a maximum of three years for pursuing Ph.D. programme for the faculty with two years of service in the college.

f) E-learning, NPTEL video lectures and content management system (Moodle)

NPTEL Phase 1 and Phase 2 updated lectures are available for staff and students all the day. Faculty members are trained at IIT, Chennai for installing and maintaining NPTEL lectures.

g) Automated Computer System

- a. The old manually operated system is replaced partially with Automated Computer System. All the systems in the entire campus are connected through LAN.

h) Modern ICT Tools

For effective teaching-learning process, modern ICT tools such as LCD projectors and Webinars etc. are made use of.

i) Installation of latest configuration computers

The systems with old configuration were replaced by the systems with latest configuration. The P-IV computers are replaced with Dual Core processors, Core 2duo and i3processors.

j) Industry-oriented training programmes for faculty

Faculty members are encouraged to participate in the industry oriented training programmes for update information and latest developments. The Institute is conducted faculty development and training programmes on LABVIEW and MATLAB applications.

k) Engineers' day celebrations

The institute conducts Engineers' Day Celebrations every year.

l) Bridge courses

For lateral entry students the bridge courses are conducted in various subjects to bring them on par with the other normal students. The bridge course timetable is scheduled beyond the college regular timings.

m) Open elective-cutting edge technologies

This is introduced to make the engineering students select the electives from the cutting edge technologies based on their interest in a given semester.

n) Industrial visits:

Industrial visits are conducted to students in each branch so that they can observe the processes which provides greater awareness and clarity on the concepts and techniques.

o) Group Insurance for Staff-members

Group insurance facility is planned for the staff-members of teaching and non-teaching staff.

7.3 Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the College.

4.Format for Presentation of Best Practice

Best Practice 1

1. Title of the Practice

Project Based Teaching Methodology for Engineering Education

2. Goal

Describe the aim of the practice followed by the institution. Mention the underlying principles or concepts in about 100 words.

The faculty is encouraged to introduce active learning techniques for the learner centric teaching in class rooms. The faculty has been trained in new teaching techniques. **Project Based Learning** is a teaching method, in which students gain knowledge and skills by working for an extended period of time to investigate and respond to a complex question, problem, or challenge. Recent observations on engineering graduates from various institutions in India indicate the need to look into the teaching and learning methodologies at Engineering institutions. By implementation of a Project Based Learning (PBL) in the courses the students gain the technical or professional competences as well as soft skills. A project based active learning (PBL) teaching methodology is designed applied to various courses/laboratories for B.Tech programs at VidyaJyothi Institute of Technology, Hyderabad, India in the area of Electronics and Communication, Computer Science and Mechanical Engineering Education at undergraduate program level. As a result of this methodology, students at VidyaJyothi Institute of Technology are not only able to develop their mini/major/research projects but also have presented their project work as a research papers at various International/National Conferences/Reputed research journals globally. PBL is helping us to implement OBE model for better attainment values for Course Outcomes and Program Outcomes for various courses.

3. The Context

Describe any particular contextual features or challenging issues that have had to be addressed in designing and implementing the Practice in about 150 words.

Generally, the teachers at engineering level take lot of interest in giving more information to the students while giving least importance to involve the students in learning.

The students do not have the clarity at the end of the day. They are ready to take all the notes but depend on guides for giving the end exams. Hence, the teacher and the taught must answer two questions at the beginning and the end of the class that “what and why” The teacher should know “what has been taught and why it should be taught and its importance. Similarly the students must also learn what is learnt by them and why should they learn and its importance. The teacher, by the end of the class can analyze whether learning is happened or not. The Learner-centric teaching always encourages the students’ participation in the learning process. In recent years, the usage of Engineering Education all over the globe has increased drastically in different domains of engineering and its applications. There are more opportunities for a fresh engineer with embedded expertise skills. Designing a curriculum for embedded system course in engineering education is certainly a challenging task and should meet the requirements of the Industry standards. Today exploring different ideas and innovation of new techniques are mandatory for a fresh engineering graduate. Hence Project based active learning teaching methodology is essential in the area Engineering Education at undergraduate level.

4. The Practice

Describe the Practice and its implementation in about 400words. Include any thing about this practice that may be unique in the Indian higher education. Please also identify constraints or limitations, if any.

Designing of active learning teaching methodology is a challenging task of any course in engineering education. These courses are aimed at more senior undergraduates to synthesize their knowledge acquired from multiple prerequisite courses, and to facilitate their ability to realize ambitious real-world projects in a short time. The students will be able to create better impressions, awareness in the area of open source technology in subsequent job interviews. The following methodology is used to maximize the teaching potential of engineering education in Embedded System Engineering and Micro Processor based application development courses. At end of the semester, students give presentations and demonstrations of their active learning experience and their projects. The following are the main steps for implementing project based teaching methodology for any course in the engineering education as shown in the figure 1.

Project-Based Teaching Methodology At Vidya Jyothi Institute of Technology

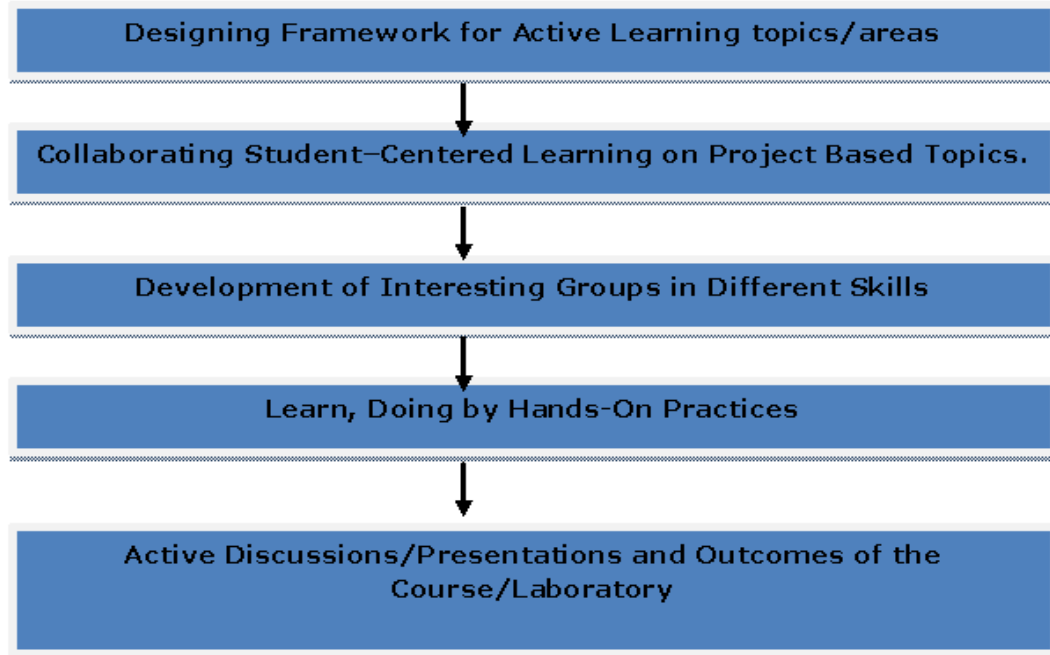


Fig. 1. Project Based Learning Methodology

Micro Processors & Micro Controller course is a 3rd year level course is very much suitable and has a huge scope for implementation of mini/major projects and active learning methods. The class in this course is designed with student centered and interactive sessions with the live examples and demonstrations with simple applications like Traffic Lights Application, Automatic Vending Machine etc. In this curriculum Instructor will identify active learning topics like 8086 micro processor architecture and its instruction set, i/o interfacing using 8555 for customized hardware circuit designed by the student. Instructor will also teach overview and architecture of 8051 Micro Controller for one week and next week Instructor presents an instruction set of 8051 Micro Controller and later see that student will actively involved in doing small programs using Simulator Softwares like Keil and Micro Vison. Instructor should direct the students to learn architecture, instruction set and able to write a simple program with simulation and letting the student will to test that program on actual 8051 based hardware system. At this point of time student will get more ideas to implement with 8051 based hardware system. All these ideas are evaluated efficiently by the Instructor and discussed thoroughly with the various issues while implementation. For example if a student is able to write a program to read data from a port then Instructor should help student to develop algorithm/program to read data from an A/D converter which is interfaced to 8051 based hardware system.

With the knowledge and above hands on experience of above course, students are able to implement a project titled with Design Robot with Night Vision Capability Using RF for their mini project at Department of ECE, VidyaJyothi Institute of Technology, Hyderabad, India. The main aim of this project is to design a system that behaves like a robot and control system using

RF technology this project describes a economical solution of robot control embedded system.

Constraints & Limitations

Time required to implement in the scheduled class hours is a difficult task. Resources and class size also have an effect on the successful implementation of PBL.

5. Evidence of Success

As a result of this methodology, students at VidyaJyothi Institute of Technology are not only able to develop their mini/major/research projects but also have presented their project work as a research papers at various International/National Conferences/Reputed research journals globally. Projects got awarded in reputed Universities for their innovative ideas.

The following courses/laboratories are successfully implemented this methodology and outcomes are listed here.

Department of Electronics and Communication Engineering, VidyaJyothi Institute of Technology		
S.No	Course/Laboratory	Result/Outcome
1	Embedded Systems	1. A paper on Project Based Teaching Methodology for Embedded Engineering Education, Journal of Engineering Education Transformations (JEET), Special Issue, pp 52-57, Jan 2015, ISSN:2349-2473.(DOI:10.16920/ijerit/2015/v0i0/59457). 2. A paper on Performance analysis of ARM Processor Based Embedded System for Telecom Application”, Special Issue on Communications, Signal Processing and Systems, Technology Spectrum, Journal of JNTU Hyderabad 3. A project on Design of Proprietary Linux Operating System for VJIT 4. Transplantation of Linux operating system on PowerPC
2	Micro Processor & Micro Controllers	1. A project on Design Robot with Night Vision Capability Using RF 2. Design of d Boot loader U-boot for ARM-9 Based Processor Boards.
3	Integrated Circuits and Applications	A project on Simulation of Function Generator using PSPICE
4	Microwave and Optical Communication	1. A Paper on Low cost fiber optic sensing of sugar solution, SPIE photonics West 2015, San Francisco, California, USA 2. A project on Digital Data Transmission Through Fiber Optic Cable.

5	Electronics Circuit Analysis	A Project on Implementation of miniature thermal plant using TEP transducer.
Department of Computer Science Engineering, VidyaJyothi Institute of Technology		
S.No	Course/Laboratory	Result/Outcome
1.	Java Programming	A project on Universal Health Cards
2.	Linux Programming	A project on Transplanting Linux kernel for ARM 9 Processor Board
3.	Operating System	A project on Building Operating system for Desktop machines.
4	Compiler Design	A project on Development of Tool Chain for ARM processor.
Department of Mechanical Engineering, VidyaJyothi Institute of Technology		
S.No	Course/Laboratory	Result/Outcome
1	Mechanics of Solids	A project on Analysis of beam with different materials/sections
2	Metallurgy and Material Science	Project on preparation of nano particles

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources (Financial, Human and other) required to implement the practice in about 150 words.

Designing a PBL for all courses is certainly a challenging issue for engineering education. Designing Course outcomes and Program outcomes for courses always be a difficult and challenging task for the faculty.

Courses with laboratories are well suited for implementation of PBL to attain more values for CO-PO attainment.

Time required to implement in the scheduled class hours is a difficult task. Implementation would be better if the class size is less. Resources and class size also have an effect on the successful implementation of PBL.

7. Notes (Optional)

Any other information that may be relevant and important to the reader for adopting/implementing the Best Practice in their institution (about 150 words).

As a result of this methodology, students at VidyaJyothi Institute of Technology are not only able to develop their mini/major/research projects but also have presented their project work as research papers at various International/National Conferences/ Reputed research journals globally. Projects got awarded in reputed Universities for their innovative ideas.

Implementation of PBL is very much useful in these courses to attain better values for CO's PO's. The main objective of this project is to design a system that behaves like a robot as shown below.

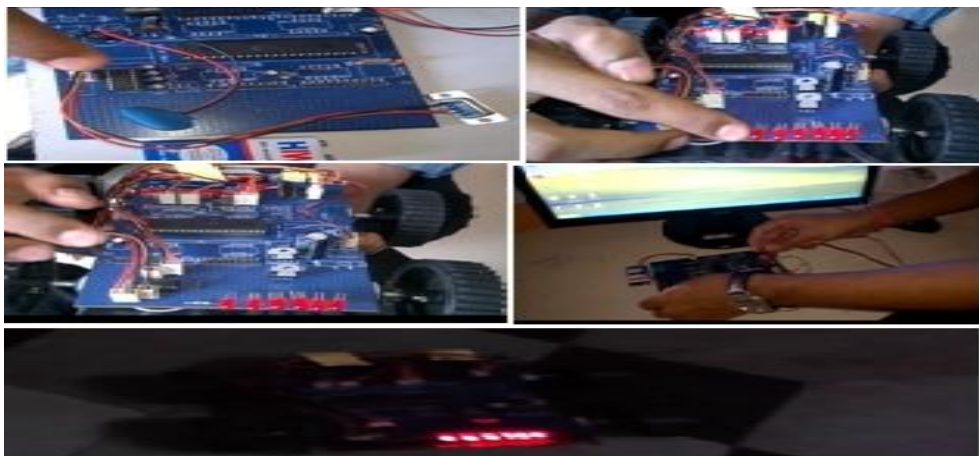


Fig. 2. Project Implementation

7. Contact Details:

Name of the Principal	:	Dr. A. Padmaja
Name of the Institution	:	Vidya Jyothi Institute of Technology
City	:	Hyderabad
Pin Code	:	500047
Accredited status	:	Accredited
Work Phone	:	91 8413235300/ 235399,
Website:		www.vjit.ac.in
Mobile:		9849554882
Fax	:	08413235509
E-mail	:	principalvjit@vjit.ac.in

Best Practice 2

1. Title of the Practice

Promotion of research culture among faculty and students

2. Goal Describe the aim of the practice followed by the institution. Mention the underlying principles or concepts in about 100 words.

Research is the back bone of academics. For the promotion of research, institute has Research and Development Cell which aims to nurture research culture in the College by promoting research in newly emerging and challenging areas of Engineering, Technology, Science and Humanities.

It encourages the students and faculty to undertake the research in newly emerging frontier areas of Engineering, Technology, Science and Humanities including multidisciplinary fields. This enhances the general research capability of budding technocrats by way of participating in conferences, seminars, workshops, project competition, etc.

- To create awareness and opportunities in Research and Development among the faculty and students and to create Research and Development atmosphere in every department;
- To create atmosphere among the staff members to take up Research projects and improve their knowledge, skills and qualifications by registering Ph. D's;
- To motivate the faculty members of the group for R&D activities in the area of their specialization;
- To encourage staff members and students to publish technical papers for publishing in National and reputed International Conferences/ Journals;
- To undertake research activities and development projects offered by agencies such as DRDO, DST, AICTE, UGC, etc.
- To assist for applying and getting funds for conducting Seminar/Workshop/FDP from various available funding agencies.
- To facilitate the growth of research activity among the academic community.
- To coordinate faculty level workshops and staff development activities on research-related issue.

3. The Context

Describe any particular contextual features or challenging issues that have had to be addressed in designing and implementing the Practice in about 150 words.

To inculcate research culture among faculty and students a number of initiatives have been introduced in the Institute. In order to promote research and development activities, the college extends its full support to students/ faculty/ staff. Full/Partial financial support is given to all innovative research & development works taken up by the students, faculty and staff members. The college encourages students, faculty and staff to participate in National/International Conferences, Training programs. This has shown good results in strengthening research activity at the Institute.

4. The Practice

Describe the Practice and its simple mentation in about 400 words. Include anything about this practice that may be unique in the Indian higher education. Please also identify constraints or limitations, if any.

- The College earmarks Rs.10.0 lakhs budget every year for in house R &D
- The college also provides budget for advance software package necessary to carryout research projects.
- Text books, reference books and handbooks related to advanced topics are also added to the college library for the use to the faculty and students to carry out their

research activity.

- College also provides additional budget if required to the projects sponsored by external agencies to develop the labs and to organize seminars and faculty development programmes etc.
- The college provides seed money to the faculty for presenting technical papers at national and international conferences provides on duty leave and TA/DA.
- The institute provides seed money to students for going to industrial tours and participating in International workshops and conferences.
- Encouraging faculty to register for Ph.D. 24 faculty members have been registered for Ph.D.
- Provision for sanction of study leave for a maximum of two years for pursuing M.Tech course in Universities/ Institutes and a maximum of three years for pursuing Ph.D. programme for the faculty with two years of service in the college.
- Institute sponsors faculty members to present papers at various International Conferences in USA, China, Singapore, Italy, Belgium and Indonesia.
- Senior faculty members are registered as supervisors to guide the Students & faculty in reputed Universities.
- Faculty members are involved actively in taking up sponsored/ collaborative projects from Central Government and private organizations.
- Using the infrastructure facilities, laboratories that are available in the institute, the faculty members guide the students in their project works catering the needs of industry.
- Faculty involvement in Guiding Research students.
- Institute sponsors and deputed the faculty for summer and winter schools, International & National conferences.
- Incentives to faculty for paper publications.

Special Incentives

- As per the HR policy of the institution faculty receives an incentive of Rs 1000/- per each publication, for acquiring Ph.D. degree received an addition increment of Rs.3000/- to 8000/-
- A staff member who publishes a research paper in a journal is given an incentive of Rs 1000/- for first author and Rs 500/- for a second author.
- For attending International conferences and presenting papers: 50% paid towards registration & TA for faculty members.
- Faculty are sponsored to attend National and International conferences
- About 5% of total budget is normally earmarked towards research activity every year

The institution has a research and development committee in addition to state of art technology R & D cell facilities to facilitate and monitor research activities. The faculty as well as students is actively engaged in reactivity & other research projects.

Major and Minor Research Projects (Awaiting Approval)

S.No	Name of the faculty	Title of the project	Financial assistance	Funding Agency
1	Dr. P. Venugopal Reddy	Investigation of Nanocrystalline Bismuth ferrite for	21 lakhs	UGC
2	Dr. A. Padmaja	Production of Biofuel from Lignocellulosic Agro feedstock	25 lakhs	UGC
3	Dr. Archana Dongre	"Inelastic seismic response of RC moment resisting brick infilled frames with and without bands"	19.8 lakhs	UGC
4	Mr. Shaik Jakeer Hussain	EEG Analysis of Brain waves to identify thought and control Wheel chair for physically handicapped	20 lakhs	UGC
5	Dr. P. Venugopal Reddy	Influence of Nano Size on properties of Dilute Magnetic Semiconductor	17 lakhs	AICTE
6	M. Rajendra Prasad	Investigation of EMF radiation impact from embedded telecom devices on Biota.	24.5 lakhs	AICTE
7.	Prof. S.M. Zafarullah	Combined Heat And Power By Solar (Chaps)- Power Generation Based On Concentrated Photo Voltaics	8.5 lakhs	UGC
8.	Prof. N.L.V Prasad Rao	Verification Of Earth Resistance Under Different Conditions Of Soil, Depth, Temperature, Season Etc.	2 lakhs	UGC
9	Mrs. A.R M. Vani	Solar Powered Smart Irrigation System	3.5225 lakhs	UGC
10	Mrs. K. Ireena	Solar Air Conditioning System	5.50 lakhs	UGC
11.	Dr V S V Laxmiramana	Developing action research project in improving the English Language communication skills of disadvantaged rural students in middle schools of Ranga Reddy District	5 lakhs	UGC
12.	Dr G Krishna Kumari	Mathematical modeling of pumping of nanofluids with different flow geometries	5 lakhs	UGC
13.	Mr E M Raju	Band gap Engineering and physical properties of some oxide based magnetic semiconductors	7 lakhs	UGC
14.	M. Rajendra Prasad	Investigation And Analysis Of Mobile Phone Radiation And Its Impact On Biological And Ecological System	6.62 lakhs	UGC

15.	Mrs.A.R.M.Vani	Harmonic elimination in a 3 phase 3 wire distributed system with 5 level shunt active filter	5 lakhs	UGC
16.	Prof. S.M. Zafarullah	Finding out the integrity of insulation through measurement of capacitance and dielectric dissipation factor i.e.,	6.5 lakhs	UGC
17.	Mr.A.Narasimha Rao	Solar Power generation and distribution using micro grid	3.5 lakhs	UGC
18.	Mr.K.Satish Kumar	Battery storage scooter	1.35 lakhs	UGC
19.	Dr.D.B.G.Reddy	Frequency Response of transformer	15 lakhs	UGC
20	Prof.S.M.Zafarullah	Study of the effect of change in the power frequency on the performance of 3 phase and single phase induction motor	3 lakhs	UGC
21	M V Krishna Rao	Machine Characterization of Telugu Phonemes	4.97 lakhs	UGC
22	Shaik Maznu	Waveform design for LPI Radar	4.93 lakhs	UGC
23	Dr. ArchanaDongre	Numerical modelling of RC brick infill and plane brick masonry building and understanding its behaviour during	5 lakhs	UGC
24	Jyotirmoy Haloi	"Dynamic site characterization of certain areas in Hyderabad city	5 lakhs	UGC
25	G. Sreeram Reddy	Optimizing parameters of freeform surface using reverse engineering technology	500000	Applied
26	B. V Reddi	Production of Multiferroic BiFeO ₃ Nano wires/ Nano fibers	500000	Applied
27	V V. Satyanarayana	An Investigation on weld cladding of stainless steel on high strength low alloy (HSLA) steel	500000	Applied
28	K. Rajesh	Surface Engineering Aspects of High Strength Low Alloy Steel for Naval Application	500000	Applied

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks and review results. What do these results indicate? Describe in about 200 words.

1. 5 projects have been sanctioned one major from DRDO and 4 minor research projects.
2. 28 Rproposals applied for UGC and awaiting for sanction of some of the projects.
3. 25 faculty members have been registered for Ph.D's.
4. Around 300 papers have been published from all the departments of the Institute for the

last four years.

5. M.Tech students 32 papers published

6. 6 Papers were published by B.Tech students.

S.No.	Name of the Faculty	Title of the Project	Financial assistance	Funding Agency
1	Dr. P.Venugopal Reddy	Ferro elastic behavior of somemagnetic based multiferroics	Rs. 50.15 lakhs	DRDO

Minor Research Projects

S.No.	Name of the Faculty	Title of the Project	Financial assistance	Funding Agency
2	Dr.R.Rama Krishna	Forecasting Yield per Hectare of Jowar in Telangana State using Neural Networks	Rs.3.05 Lakhs	UGC
3	Dr.D.Raju	Numerical solutions to some generalized Thermoclastic Models	Rs.2.7 Lakhs	UGC
4	Prinivas Rao	Synthesis and Biological activity Evaluation of novel N-Substituted Benzimidazole thiopyrimidine Derivates as potential anti-inflammatory Agents	Rs.3.35 Lakhs	UGC
5	Mr.N.Pavan Kumar	Theoretical investigations of diluted magnetic semiconductors	Rs.3.60 Lakhs	UGC

B.Tech Students papers published 2014-15	
1	Pest damage assessment in fruits and vegetables using thermal imaging (Conference Proceedings) Authors: BadrinathVadakkapattuCanthadai, M. EsakkiMuthuraju, VengalraoPachava, et al. <i>Proc. SPIE</i> 9488, Sensing for Agriculture and Food Quality and Safety VII, 94880P (May 13, 2015); doi:10.1117/12.2193713.
2	Low cost fiber optic sensing of sugar solution (Conference Proceedings) Authors: M. Muthuraju, Anurag Reddy Patlolla, BadrinathVadakkapattuCanthadai, et al. <i>Proc. SPIE</i> 9317, Optical Fibers and Sensors for Medical Diagnostics and Treatment Applications XV, 93170L (5 March 2015); doi: 10.1117/12.2176390
3	Measurement of Polarisability of Liquid using Fiber Optic Refractive Index Sensor Raju M Esakki Muthu, Ashwin Kumar Kuchibhotla, Kumar Ravi, BadrinathVadakkapattuCanthadai, and VengalraoPachava, <i>Frontiers in Optics</i> 2015, OSA Technical Digest (online) (Optical Society of America, 2015), paper JW2A.41, doi:10.1364/FIO.2015.JW2A.41
4	Outcome based learning of optics in schools (Conference Proceedings) Authors: M. Esakkimuthu Raju, BadrinathVadakkapattuCanthadai, Kumar Ravi <i>Proc. SPIE</i> 9188, Optics Education and Outreach III, 91880R (15 September 2014); doi: 10.1117/12.2061998
5	Study of surface roughness of corroded metals using plastic optical fiber sensor (Conference Proceedings) Authors: M. Esakkimuthu Raju, BadrinathVadakkapattuCanthadai, Kumar Ravi, et al. <i>Proc. SPIE</i> 9205, Reflection, Scattering, and Diffraction from Surfaces IV, 920509 (5 September 2014); doi: 10.1117/12.2061974
6	Intensity insensitive one-dimensional optical fiber tilt sensor (Conference Proceedings) Authors: BadrinathVadakkapattuCanthadai, DipankarSengupta, VengalraoPachava, et al. Published: 18 Jun 2014 <i>Proc. SPIE</i> 9098, Fiber Optic Sensors and Applications XI, 909811 (18 June 2014); doi: 10.1117/12.2050821

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources (Financial, Human and other) required to implement the practice in about 150 words.

- Infrastructural facilities required for conducting research in private institutions is a difficult task.
- Recruitment of qualified faculty with research experience

7. Notes (Optional)

Any other information that may be relevant and important to the reader for adopting/ implementing the Best Practice in their institution (about 150 words).

8. Contact Details

Name of the Director	:	Dr. P. Venugopal Reddy, Ph.D
Name of the Institution City	:	Vidya Jyothi Institute of Technology
Pin Code	:	500 074
Accredited Status	:	Yes, Accredited
Work Phone	:	91 8413235300/ 235399
Website	:	www.vjit.ac.in
Mobile	:	9848212388
Fax	:	08413235509
E-mail	:	director@vjit.ac.in

ELECTRICAL & ELECTRONICS ENGINEERING

1. Name of the department :Electrical & electronics engineering
2. Year of Establishment : 1999 (UG) / 2011 (PG – PE&ED)/ 2013 (PG – EPS).
3. Names of Programmes / Courses offered (UG, PG).
UG: B.Tech – Electrical & Electronics Engineering.
PG: M.Tech – i) Power Electronics & Electric Drives
ii) Electrical Power Systems

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

S.No.	Name of the course	Department Involved
1.	Fluid Mechanics & Hydraulic Machines	MECH
2.	Electrical Circuits	ECE
3	IC Applications	ECE
4	Micro Processors & Micro Controllers	ECE

5. Annual/ semester/choice based credit system (program wise)
 - a) B.Tech - (Electrical and Electronics Engineering) - Semester based credit System – Electives in higher semesters.
 - b) M.Tech - (Power Electronics and Electrical Drives) - Semester based credit system – Electives in higher semesters.
 - c) M.Tech - (Electrical Power System) - Semester based credit system – Electives in higher semesters.
6. Participation of the department in the courses offered by other departments

S. No.	Year	Course name	Offered to dept
1.	I st Year- I Sem	Electrical Circuits	ECE
2	II nd Year – I Sem	Electrical Circuits	ECE
3	II nd Year – II Sem	Principles of Electrical Engineering	ECE
4	II nd Year – I Sem	Basics of Electrical Engineering	CSE & IT
5	II nd Year – I Sem	Electrical & Electronics Engineering	Mechanical Engg
6	II nd Year – I Sem	Electrical & Electronics Engineering	Civil Engg
7	II nd Year – I Sem	Electronic Devices & Circuits	Civil Engg

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	Sanctioned	Filled
Professors	03	03
Associate Professors	10	10
Asst. Professors	26	26

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

S.no	Name of the faculty	Qualification	Designation	Specialization	No. of years of experience
1	Prof. S. M. Zafarullah.	M.Tech (Ph. D)	Professor & HOD	Energy Mgt.	45
2	Dr. D. B. G. Reddy	M. Tech, Ph. D	Professor	Electrical Power Systems	15
3	Prof. N. L. V. Prasad Rao	M.Tech	Professor	Electrical Power Systems	45
4	Mrs. A. R. M. Vani	M.Tech (Ph. D)	Assoc. Prof.	High Voltage Engineering	14
5	Mr. A. Narasimha Rao	M.Tech	Assoc. Prof.	Power Systems	34
6	Mrs. K. Ireena	M.Tech (Ph.D)	Assoc. Prof.	Power & Industrial Drives	12
7	Mr.P.Nageswara Rao	M.Tech	Assoc. Prof.	Power System Engineering	11
8	Mr. D. Srinivas.	M.Tech	Assoc. Prof.	Electrical Power Systems	9
9	Mr. B. Kanthi Kiran	M.Tech(Ph.D)	Assoc. Prof.	Power & Industrial Drives	13
10	Mr. K. Sathish Kumar	M.Tech(Ph.D)	Assoc. Prof.	Electrical Power Systems	9
11	Mrs. G. Sudha Rani	M.Tech	Assoc. Prof.	Electrical Power Engineering	10
12	Mrs. V. Vijaya Lakshmi	M.Tech	Assoc. Prof.	Power Electronics & Industrial Drives	7
13	Mr. T. Parameshwar	M.Tech	Assoc. Prof.	Electrical Power Systems	7
14	Mrs. B. Jyothsna	M.Tech	Asst. Prof.	Electrical Power Systems	8
15	Mr. Hussain Shaik	M.Tech	Asst. Prof.	Power Electronics	8
16	Mr. M. Vijay Kumar	M.Tech	Asst. Prof.	Electrical Power Systems	4
17	Mr. A. Rajeshwar	M.Tech	Asst. Prof.	Power Electronics & Industrial Drives	4
18	Mrs. S. Chaitanya	M.Tech	Asst. Prof.	Power Systems & Power Electronics	5
19	Mrs. K. Swapna	M.Tech	Asst. Prof.	Electrical Power Systems	7
20	Mrs. M. Soujanya	M.Tech	Asst. Prof.	Power Electronics & Industrial Drives	8

21	Mr. P. N. Muneendra	M.Tech	Asst. Prof.	Power Electronics	5
22	Mr. L. Raju	M.Tech	Asst. Prof.	Power Electronics	6
23	Mr. Ch. Vikram	M.Tech	Asst. Prof.	High Voltage Engineering	5
24	Mrs. D. Vaishnavi Devi	M.Tech	Asst. Prof.	Power Electronics & Power Systems	6
25	Mr. V. Sudhakar	M.Tech	Asst. Prof.	Electrical Power Systems	43 ½
26	Mr. D. Ramesh	M.Tech	Asst. Prof.	Electrical Power Systems	2
27	Mr. R. Ramesh	M.Tech	Asst. Prof.	Electrical Power Engineering	2
28	Mr. SVN Pradeep Chandra	M.Tech	Asst. Prof.	Electrical Power Systems	2
29	Mr. P. Satish Kumar	M.Tech	Asst. Prof.	Energy Systems	2
30	Mr. M. Sudhakar	M.Tech	Asst. Prof.	Energy Systems	2
31	Mr. Prasad Mandava	M.Tech	Asst. Prof.	Electrical Power Systems	2
32	Mr. T. Uday Kumar	M.Tech	Asst. Prof.	Power Electronics & Electric Drives	2
33	Mrs. B. Aruna Kumari	M.Tech	Asst. Prof.	Electrical Power Systems	1
34	Mr. B. V. Siva Subrahmanyam	M.Tech	Asst. Prof.	Power Electronics & Electric Drives	1
35	Mr. V. Srinivas	M.Tech	Asst. Prof.	Power Electronics & Electric Drives	1
36	Mr. R. Shiva Kumar Reddy	M.Tech	Asst. Prof.	Power Electronics & Electric Drives	1
37	Mr. K. G. Shyam Anand	M.Tech	Asst. Prof.	High Voltage Engineering	1
38	Mr. G. Shyam Sundar	M.Tech	Asst. Prof.	Energy Systems	1
39	Ms. E Tejaswini	M.Tech	Asst. Prof.	Electrical Power Systems	1

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary Faculty

13. Student -Teacher Ratio (programme wise)

UG - 1:15

PG - 1:12

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

Type of staff	Sanctioned	Filled
Support staff (technical)	09	09
Administrative staff	01	01

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

No. of Faculty with D.Sc / D. Litt	No. of Faculty with Ph.D	No. of Faculty with	No. of Faculty with PG (M.Tech / MA/ M.Com /	No. of faculty with UG
		M.Phil	M.Sc/ MBA / MCA)	(B.Tech)
0	1	0	38	0

No. of faculty submitted Ph.D : 1.

No. of faculty registered for Ph.d. : 4.

16. Number of faculty with ongoing projects from

a) National b) International funding agencies and grants received:

The institute has included under 2 (f), 12 (B) in the year 2013-14. Projects are applied in the academic year 2014-15 and awaiting for approval.

a)National:

Sl. No	Name of the Faculty	Title of the Project	Funding Agency	Grants received (Rs.)	Duration
1	--	---	----	---	---

b)International: NIL

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

Major and Minor Research Projects (Awaiting Approval)

S. No	Name of the faculty	Title of the project	Financial assistance	Funding Agency
1	Prof. S.M. Zafarullah	Combined Heat And Power By Solar (Chaps)- Power Generation Based On	8.5 lakhs	UGC
2	Prof. S.M. Zafarullah	Finding out the integrity of insulation through measurement of capacitance and dielectric dissipation factor i.e.,	6.5 lakhs	UGC
3	Prof. S. M. Zafarullah	Study of the effect of change in the power frequency on the performance of 3 phase and single phase induction motor	3 lakhs	UGC
4	Dr. D. B. G. Reddy	Frequency Response of transformer	15 lakhs	UGC
5	Prof. N.L.V Prasad Rao	Verification Of Earth Resistance Under Different Conditions Of Soil, Depth, Temperature, Season Etc.	2 lakhs	UGC
6	Mr. A. Narasimha Rao	Solar Power generation and distribution using micro grid	3.5 lakhs	UGC
7.	Mrs. A. R. M. Vani	Harmonic elimination in a 3 phase 3 wire distributed system with 5 level shunt active filter	5 lakhs	UGC
8.	Mrs. A.R M. Vani	Solar Powered Smart Irrigation System	3.5 lakhs	UGC
9	Mrs. K. Ireena	Solar Air Conditioning System	5.50 lakhs	UGC
10	Mr. K. Satish Kumar	Battery storage scooter	1.35 lakhs	UGC

18. Research Centre /facility recognized by the University: Applying for research center

19. Publications (last 4 Years): a) Publication per faculty

S.No	Name of Faculty Qualification & Designation	Details of Research Publications/IPR	Name of the Journal	Year of Publishing/Registered
1	Prof.S.M.Zafarullah	Design and Simulation of STATCOM for Grid Connected Wind energy Systems at Different Loading Conditions	ICIEEE ISBN :978-93-82163-55-8126 Pp:126-130	2014
2	Prof.S.M.Zafarullah	Design and simulation of grid connected PV System using MPPT	ICIEEE ISBN:978-93-82163-558Pp:199-203	2014
3	Prof.S.M.Zafarullah	Effective Teaching Methodologies in Electrical Engineering	ICTIEE ISBN:978-93-82163-558-	2014
4	Prof. S.M.Zafarullah	Design and simulation of shunt active power filter for power quality improvement at industrial load	ICIEEE ISBN :978-93-82163-55-8126 Pp:213-218	2014
5	Prof. S.M.Zafarullah	A New Multilevel Base DSTATCOM For Power Quality Improvement	ISSN 2319-8885 VOLUME NO.04 ISSUE NO.21 Pp:3949-3954	JULY-2015
6	Prof. S.M.Zafarullah	Simulation of power factor correction based bldc drive system	IJSETER ISSN 2319-8885 VOLUME NO.04 ISSUE NO.23	JULY-2015
7	Prof. N.L.V.Prasada Rao	Effective Teaching Methodologies In Electrical Engineering	ICTIEE-2015Pp:66	2014
8	A.R.M.Vani	A Hybrid Neuro Genetic Approach for Analyzing Dissolved Gases in Power Transformers	IJAREEIE ISSN:2320-3765 Volume-3, Issue-11Pp:13101-13107	2014
9	A.R.M.Vani	An Adaptive Neuro Fuzzy Inference System for Fault Detection in Transformers by Analyzing Dissolved Gases	IOSR-JEEEISSN2229-5518 Pp:7-14	2014
10	A.R.M.Vani	An automated tool for analyzing dissolved gases in power transformers and SF6 insulator using artificial intelligence approaches including performance measure	IJSER Issn2229-5518 Volume5, Issue11Pp:1182-1193	2014
11	SHB Ireenakarumuri	PV Based High Frequency Cascaded Multilevel Inverter for Irrigation Application	IJEEE ISSN: 2319-8885, Volume-4, Issue-3, 2014Pp:201-205	2014
12	K.Satish Kumar	High Step up DC-DC converter for Grid Connected or Standalone PV applications	IJEEE ISSN: 2319-8885 Volume-4, Issue-3, 2014Pp:288-292	2014
13	K.Satish Kumar	A new PV based compact power electronic converter for Integration of Electric Vehicle and Grid	IJEEE ISSN: 2319-8885 Volume-4, Issue-3, 2014Pp:186-191	2014
14	K.Satish Kumar	Integrated ultra capacitor and renewable energy source fed bi directional converter for induction motor applications	IJCSSIETIS SN2277-4408 01082014-018 Pp:1-7	2014
15	P.Nageswara Rao,	PQ Theory and Id-Iq theory controlled STATCOM for grid Connected wind driven Induction Generator for Power Quality Improvement	IJEEE ISSN: 2319-8885 Volume-4, Issue-3, 2014Pp:260-266	2014

16	P.NageshwaraRao	Improved Trans Z-Source InverterwithContinuous Input Current andBoostInversion Capability for RenewableEnergyResources	IJEEE ISSN2348– 2370Vol.06, Issue.06,September -2014 Pn:465-472	2014
17	P. NageswaraRao	Fuzzy logic based DC voltagecontrollermethod for STATCOM basedonasymmetrical multilevelInverter	IJEEE ISSN: 2319-8885Volume- 4, Issue- 3,2014Pp:224- 230	2014
18	D.Srinivas	Comparison of quasi Z-source and TransZ-source inverter for PV applications applytoinductionmotor	IJEEE ISSN: 2319-8885Volume- 4, Issue- 1,2014Pp:165- 169	2014
19	D.Srinivas	Fuzzy Logic Controlled DSTATCOMwithReduced DC-Link Voltage for PowerQualityImprovement	IJEEE ISSN: 2319-8885Volume- 4, Issue- 3,2014Pp:205	2014
20	B.Jyothsna,	Grid Power Quality Improvement inWindEnergy Systems using 3 leg and 4legconverter	IJEEE ISSN: 2319-8885Volume- 4, Issue- 3,2014Pp:219- 223	2014
21	T. Parameshwar	Improved Trans Z-Source InverterwithContinuous Input Current andBoostInversion Capability for RenewableEnergyResources	IJEEE ISSN2348–2370 Vol.06,Issue.06,Se ptember- 2014 Pn:465-472	2014
22	T. Parameshwar	A New Photovoltaic Based ThreePhaseMultilevel Inverter Fed InductionMotorDrive	IJEEE ISSN: 2319-8885,Volume- 4, Issue- 3,2014Pp:223- 227	2014
23	T. Parameshwar	A New Photovoltaic Based ThreePhaseMultilevel Inverter Fed InductionMotorDrive	IJEEE ISSN: 2319-8885,Volume- 4,Issue- 3,Pp:223-227	2014
24	T.Parameshwar	Modelling and simulation oflinearcontroller of stat com for inductionmotor	ICIEE EISB N: 978-93-82163-55-8 Pn:371-376	2014
25	Hussain Shaik	Hybrid Renewable Energy SourcesBasedFour leg Inverter for PowerQualityImprovement	ICIEE EISB N: 978-93-82163—55-8 Pn:1-6	2013
26	Hussain Shaik	Speed estimation error ofsensorlessinduction Motor drives usingsoftcomputingtechnique	ICAEMR ITSICAEM Pp:13-19	2013
27	J Nageshwara rao	High Step-Up Interleaved Converter forGridConnected SolarApplications	IJEEE ISSN: 2319-8885Volume- 4, Issue- 3,2014Pp:239- 243	2014
28	J Nageshwara rao	Dual mode converter for PV fedEV/HEVApplications	IJEEE ISSN: 2319-8885Volume- 4, Issue- 3,2014Pp:210- 214	2014
29	A. Rajeshwar	Design and simulation of PV cell forhigh efficiency DC-DCconverter	IJEEE ISSN: 2319-8885Volume- 4, Issue- 2,2014Pp:19-25	2014
30	M Vijay Kumar	A Novel three phase PV/wind basedmultilevel inverter for grid connectedsystem	ICIEE EISBN:97 8-93-82163-55-8 Pp:208-212	2014
31	V. Sudhakar	Integrated ultra capacitor andrenewableenergy source fed bi directionalconverterfor induction motorapplications	IJCSSIETIS SN2277-4408 01082014-018 Pp:1-7	2014

32	S. Chaitanya	A Novel three phase PV/wind basedmultilevel inverter for grid connectedsystem	ICIEEISBN:978-93-82163-55-8 Pp:208-212	2014
33	M. Soujanya	Dual mode converter for PV fedEV/HEVApplications	IJEEE ISSN: 2319-8885Volume-4, Issue-3,2014Pp:210-214	2014

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

- a) National committees : Nil
- b) International Committees: Nil
- c) Editorial Boards : Nil

22. Student projects

- a) Percentage of students who have done in-house projects including inter Departmental/programme: 100%
- b).Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students:

a) Faculty : Prof S M Zafarullah

- 1.“Cash Your Ideas Award” with citation Instituted by Central Board of Irrigation of Power , Government of India for modification of generator bearings.
2. “Jawaharlal Nehru Birth Centenary Research Award” from the C.B.I &P Govt. of India Ministry of Energy for outstanding achievement in R&D.
3. “K.S. Siva Prakasham Medal” for Distinction in Engineering Technology instituted by C.B.I &P, Ministry of Energy, Govt. of India for modification in the cooling system of hydro generators.
4. “Short Term Load Forecasting of Power” Medal from C.B.I & P.
5. “Failure Analysis of Hydro Generators” Cash prize from C.B.I& P.
6. “Commendation letter” from A. P. State Electricity Board with cash incentive.
7. Four cash awards for “Best technical papers”
8. Prof. S. M. Zafarullah received the Best teacher award from VJIT For the year 2013-14.
9. Prof. N. L. V. Prasada Rao received the Best teacher award from VJIT for the year 2014-15.

b) Student :

1. Chief Minister’s award – Rajiv Gandhi Akshay Urja Diwas (Renewable Energy Day) on 20-08-2008.
2. Jana Vignana Vedika Award- Silver Jubilee Celebrations on 27 & 28 Feb 2013
3. Gold plated medal

23. List of eminent academicians and scientists/ visitors to the department:

S. No.	Year	Name of the Academician/ Scientist	Designation	Organization	Purpose of Visit
1	2015-16	Sri pvs siva prasad	hod/cse	nalla malla reddy engg college	Guest Lecture
2	2014-15	Sri pvs siva prasad	hod/cse	nalla malla reddy engg college	Guest Lecture
3	2013-14	P.P. reddy	sr. engineer (rtd.)	l&t	Guest Lecture

4	2013-14	mr. ch.srinivas,	director	cyme automation pvt.ltd.	Guest Lecture
5	2013-14	md anwaruddin	director/ grid operation	aptransco	Guest Lecture
6	2013-14	sri msr sarma	se / protection (retd)	aptransco	Guest Lecture
7	2013-14	dr p v satya ramesh	de / open access	aptransco	Guest Lecture
8	2013-14	k k jain	hod /eee	bhasker engg college	Guest Lecture
9	2013-14	dr.m.mohan rao	sr.engineer	bhel (r & d)	Guest Lecture
10	2013-14	sri sridhar,	ae	cpdcl	Guest Lecture
11	2013-14	md. ghouse	retd principal	Govt. Degree college	Guest Lecture
12	2012-13	dr. m. rama moorthy	former director general	cpri, banglore	Guest Lecture
13	2012-13	j.dhakshina moorthy	chief engineer (retd.)	aptransco	Guest Lecture
14	2012-13	sri.n.l.v.krishna rao	former sr.protection	tata electric company bombay	Guest Lecture
15	2012-13	p.s.n.raju	ade	protection 400 kv ss	Guest Lecture
16	2012-13	sri. m.seetha rama sharma	se(retd.)	power systems aptransco	Guest Lecture
17	2012-13	dr. d.p.kotari	former vice chancellor	vit	Guest Lecture
18	2011-12	mr. gopal rao	former director	aptransco	Guest Lecture
19	2011-12	mr. ch. venkata rajan	ce	apgenco	Guest Lecture
20	2011-12	mr.ch. srinivas	former manager	elmote alternators	Guest Lecture
21	2010-11	mr.s.ganapathy	s.e	ap transco (retd.)	Guest Lecture
22		mr.chandramohan rao	scientific officer 'g'	d.a.e	Guest Lecture

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

Sl. No	Year	Name of the Seminar/Workshop/Conference	Date(s)	Source of funding	Amount spent (Rs.)
1	2015-16	FDP on “Electro Magnetic Fields”	31 st October 2015	VJIT	13,000
		FDP on “Outcome Based Education”	1 st August 2015	VJIT	20,000/-
3	2014-15	FDP on “Recent Trends in Electric Traction”	18 th & 19 th Sept 2014	VJIT	15,000/-
4	2013-14	FDP on “Basics of Electrical Engg”	27 th , 28 th & 29 th , June 2013	VJIT	10,000/-
		National Level Two - Day Seminar on “GRID MANGEMENT”	12 th & 13 th December 2013	VJIT	17,389/-
5	2012-13	FDP on Non Conventional energy sources	23 rd & 24 th Jan 2013	VJIT	10,000/-
		Recent Trends in Switch Gear & Protection”	5 th to 7 th Jul 2012	VJIT	24,277/-
6	2011-12	National level two-day faculty development programme on “ applications of electrical machines in power industry “	26 th & 27 th August 2011	VJIT	9939/-
		FDP on Grid Management	21 st & 22 nd March 2012	VJIT	15,000/-

b) International: NIL

26. Student profile programme/course wise:

Batch	Name of the Course / Program	Applications received	Selected (Number Admitted including Lateral Entry)	Enrolled		Pass %
				Male	Female	
2011	B.Tech (EEE)		136	96	40	78
2012			114	81	33	80
2013			132	96	36	82
2014			130	78	21	94.53
2015			130	84	25	86.92
2011	M.Tech (PEED)		11	9	2	100
2012			39	33	6	90
2013			21	18	3	88
2014			15	10	5	Under going
2013	M.Tech (EPS)		29	25	4	62.07
2014			25	18	7	Under going

*** Admissions are through EAMCET/PGECET counseling of Telangana State Govt.**

27. Diversity of Students

Year of Admission	Name of the Course	% students from the same State	% of students from other States	% of students from abroad
2011-12	B.Tech (EEE)	100	-	-
2012-13		100	-	-
2013-14		100	-	-
2014-15		100		
2011-12	(PEED)	100	-	-
2012-13		100	-	-
2013-14		100	-	-
2013-14	M.Tech (EPS)	100	-	-
2014-15		100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. (APSEB,POWER GRID,NTPC,BHEL,RRB.... ?

Name of the Competitive Examination	No. of students qualified				
	2010-11	2011-12	2012-13	2013-14	2014-15
GATE	20	24	25	30	25
Civil services	--	--	--	--	--
Defense services	--	--	--	--	--
SLET	--	--	--	--	--
NET	--	--	--	--	--
GRE	--	--	6	--	5
Public Sectors	--	--	1	1	2

29. Student progression

Student progression	Against % enrolled
UG to PG	19.36%
PG to M.Phil.	NA
PG to Ph.D.	-
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	45.62%
Entrepreneurship/Self-employment	NIL

30. Details of Infrastructural facilities

a) Library: Plinth Area - 34.8 sq.mts.

No. of Titles	No. of Volumes	No. of Computers	No. of E-Journals	No. of Print Journals
164	214	03	607	29

b) Internet facilities for Staff & Students:

10 Mbps broad band leased line from BSNL

20 Mbps NME (National Mission for Education through Information & Communication Technology)

01 Broad Band connection of 512 Kbps.

c) Class rooms with ICT facility : 01

d) Laboratories

SL. No.	Name of the laboratory	Area (Sq.Mts)	Total Investment (Rs.)
1	Electrical Circuits	125.4	7,17,923.59
2	Electrical Measurements	125.4	6,63,706.31
3	Electrical Machines - I	126.5	7,16,000.00
4	Electrical Machines - II	126.5	11,74,000.00
5	Control Systems	253.05	7,79,000.00
6	Power Electronics	83.6	7,26,397.95
7	Power Systems	83.6	14,60,896.00
8	Electrical Technology	167.28	6,99,634.00
9	Advanced Control Systems	83.6	3,22,000.00
10	Power Electronics and Electrical Drives	83.6	4,32,998.92
11	Electrical Simulation / Research	104.5	16,01,000.00
12	Power Electronics Systems Simulation	104.5	23,26,000.00

31. Number of students receiving financial assistance from college, university, government or other agencies

Agency	No. of students received financial assistance			
	2010-11	2011-12	2012-13	2013-14
College	--	--	--	--
University	--	--	--	--
Government	249	257	269	223
Other agencies	--	--	--	--

32. Details on student enrichment programmes (Special Lectures/Workshops/Seminars) with external experts

Year	Title of the programme	Special Lectures/Workshops/Seminar	Date(s)	No. of Students benefited
2015-16	Human Values & Professional Ethics	Guest Lecture	17 th Oct 2015	100
2014-15	Conscience and how it guides us	Guest Lecture	20 th Feb. 2015	120
2013-14	Lecture on "Ethics"	Guest Lecture	18 th Feb 2014	120
	Gas Insulated Substation	Guest Lecture	9 th Jan 2014	120
	Practical applications of Electrical and Electronics Concepts	Guest Lecture	30 th Aug 2013	130
2012-13	Smart grid	Guest Lecture	5 th March 2013	125
	Industrial Application of Power Electronics	Guest Lecture	10 Jan 2013	120
	Ethics & Discipline	Guest Lecture	9 th Jan 2013	110
	Design of Electric Generators	Guest Lecture	14 th Aug 2012	100
2011-12	Solar Energy Applications		1 st March 2012	130
	Earthing Practices In Electrical Power Systems	Guest Lecture	31 st Jan 2012	120
	Performance & Testing of Induction Motors	Guest Lecture	20 th Jan 2012	100

33. Teaching methods adopted to improve student learning

- 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.
- Presentation by the students on the topics studied by them in the class room.
- A model room has been created to demonstrate the students all the practical aspects.
- Students are taken for field visits to impact practical knowledge to them.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: NSS, blood donation.

a) NSS activities

Year	Name of the activity	Venue	Date(s)	No. of Students Participated
2010-11	Blood Donation Camp	VJIT	Feb 14	30

b) Training imparted to the local public : NIL

35. SWOC analysis of the department and Future plans

Strengths

- Availability of qualified, experienced and committed faculty.
- Continuous upgrading of infrastructure facilities
- New Teaching and learning Methodologies.
- Conducive atmosphere for the all round development of the students.
- Well Equipped labs with modern equipment.
- Model room created in the Department.

Weaknesses

- Lack of industries nearby.
- Poor communication skills of students at entry level due to rural back ground.
- Less Scope for R&D and consultancy

Opportunities:

- 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.

Challenges:

- To strengthen the research.
- Efforts to change the mindset of students.
- To place more no of students in core companies.

Future Plans:

- To establish centers of excellence in one or more thrust areas of Electrical Engineering.
- To enter into MOUs with reputed academic and Industrial international organizations.
- To establish research oriented laboratories.
- To achieve 100% result.
- To achieve 90% placements among eligible candidates through campus selections.

MECHANICAL ENGINEERING

- Name of the department : **Mechanical Engineering**
- Year of Establishment : 1998
- Names of Programs/Courses offered : UG (B.Tech- Mechanical Engineering)-1999

PG (M.Tech-Machine Design) -2013
PG (CAD/CAM) -2014

- Names of Interdisciplinary courses and the departments/units involved:

S.No	Course	Year & Semester	Courses Offered By
1	English	I - Year	Humanities & Sciences
2	Mathematics – I	I – Year	Humanities & Sciences
3	Engineering Physics	I – Year	Humanities & Sciences
4	Engineering Chemistry	I – Year	Humanities & Sciences
5	Computer Programming & Data Structures	I – Year	C.S.E. Department
6	Computer Programming Lab	I – Year	C.S.E. Department
7	Engineering Physics / Engineering Chemistry Lab	I – Year	Humanities & Sciences
8	English Language Communication Lab	I - Year	Humanities & Sciences
9	IT Workshop	I – Year	C.S.E. Department
10	Environmental Studies	II Year - I Sem	Humanities & Sciences
11	Probability & Statistics	II Year - I Sem	Humanities & Sciences
12	Electrical & Electronic Engineering	II Year - I Sem	E.E.E. & E.C.E. Department
13	Electrical & Electronic Engineering Lab	II Year - I Sem	E.E.E. & E.C.E. Department
14	Numerical Methods	II Year - II Sem	Humanities & Sciences
15	Managerial Economics & Financial Analysis	III Year - I Sem	M.B.A. Department
16	Advanced English Communications Lab	III Year - II Sem	Humanities & Sciences

- Annual/semester/choice based credit system (programme wise)
 - B.Tech. (Mechanical Engineering) - Semester based credit System - Electives in Higher Semesters
 - M.Tech. (CAD/CAM) - Semester based credit System - Electives in Higher Semesters
 - M.Tech. (Machine Design) - Semester based credit System - Electives in Higher Semesters
- Participation of the other departments in the courses offered by Mechanical department:

S.No	Course	Year & Semester	Courses offered To
1	Engineering Drawing	I – Year	C.S.E, E.C.E., E.E.E., Civil, I.T. Departments
2	Engineering Workshop	I – Year	C.S.E, E.C.E., E.E.E., Civil, I.T. Departments
3	Fluid Mechanics & Hydraulic Machinery	II Year – I Sem	E.E.E. Department
4	Fluid Mechanics & Hydraulic Machinery Lab	II Year – I Sem	E.E.E. Department
		III Year – I Sem	Civil Department
5	Mechanics of Solids Lab	II Year – I Sem	Civil Department

- Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
- Details of courses/discontinued programmes discontinued (if any): **NIL**
- No.of teaching posts:

Designation	Sanctioned	Filled
Professors	4	4
Associate Professors	11	11
Assistant Professors	37	37

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

S.No	Name	Qualification	Designation	Specialization	Experience (Years)
1	Dr. A. Padmaja	Ph.D	Principal	Biochemical Engineering (Renewable Energy)	25
2	Prof.G.Sreeram Reddy	M.Tech(Ph.D)	Prof., HoD	Energy systems	16
3	Prof.B.V.Reddi	Ph.D	Professor	Material Science	45
4	Prof. V.V. Satyanarayana	Ph.D	Professor	Industrial & Prod. Engg.	22
5	B.Ravinder Reddy	M.Tech(Ph.D)	Assoc. Prof.	Ind.Metallurgy	21
6	V.R.Rao	M.Tech	Assoc. Prof.	Prod.Engg.	11(I) + 12(T)
7	K.Rajesh Kumar	M.E	Assoc. Prof.	Prod.Engg.	8(I) + 12(T)
8	Sk.Abdul Khadeer	M.Tech	Assoc. Prof.	Prod.Engg.	6
9	J.Emeema	M.Tech	Assoc. Prof.	Thermal Engg.	13
10	P.V.Vishwanath	M.Tech	Assoc. Prof.	Mach.Design	25 (I) + 13 (T)
11	P.Sampath	M.Tech	Assoc. Prof.	Prod. Engg.	8 (I) + 14 (T)
12	M.Mallesha	M.E	Assoc. Prof.	CAD/CAM	5
13	S. Sunil Kumar	M.Tech	Assoc. Prof.	AMS	10
14	J. Jagadesh Kumar	M.Tech	Assoc. Prof.	CAD/CAM	8 (I) + 0.3 (T)
15	D.R.S.Narsing Rao	M.E	Assoc. Prof.	ADM	6
16	M.S. Goutham	M.Tech	Asst.Prof.	CAD/CAM	20
17	C.Ravi	M.Tech	Asst. Prof.	Thermal Engg.	2
18	T. Pavan Kumar	M.Tech	Asst. Prof.	CAD/CAM	4.5
19	J.Sandeep Kumar	M.Tech	Asst. Prof.	CAD/CAM	8
20	Md.Fareed	M.E	Asst. Prof.	CAD/CAM	5
21	C.Naveen Raj	M.E	Asst. Prof.	ADM	3
22	Ch.Rakesh	M.E	Asst. Prof.	CAD/CAM	1 (I) + 2 (T)
23	Shaik Gulam Abul Hasan	M.Tech	Asst. Prof.	H.V.A.C	2
24	Y.Renuka	M.Tech	Asst. Prof.	AMS	3
25	B.Sudha Bindhu	M.Tech	Asst. Prof.	CAD/CAM	1
26	S.Ramakrishna	M.E	Asst. Prof.	CAD/CAM	3
27	S.Kirthana	M.E	Asst. Prof.	ADM	1
28	Shrutha Keerthy	M.E	Asst. Prof.	CAD/CAM	2
29	Sk.Amoodi	M.Tech	Asst. Prof.	H.V.A.C	2

30	D.S. Srinivas Rao	M.Tech(Ph.D)	Asst. Prof.	Energy Systems	7
31	Ch. Sai Krishna	M.Tech	Asst. Prof.	Aerospace	4
32	P. Pavani	M.Tech	Asst. Prof.	AMS	4
33	C. Naga Kumar	M.Tech	Asst. Prof.	Robotics & Automation	6
34	G. Ambika	M.E.	Asst. Prof.	ADM	1
35	G. Sowmya	M.Tech	Asst. Prof.	Engg. Design	3
36	Syeda Saniya Fatima	M.Tech	Asst. Prof.	CAD/CAM	0.3
37	Deepa Ragavalli	M.Tech	Asst. Prof.	ADM	2
38	N.Praveen	M.Tech	Asst. Prof.	CAD/CAM	5
39	P. Swapna	M.E	Asst. Prof.	CAD/CAM	6(I)+0.3(T)
40	G. Paramesh	M.Tech	Asst. Prof.	CAD/CAM	1
41	Shaik Ashraf	M.Tech	Asst. Prof.	HVAC	1
42	Khaja Ali	M.Tech	Asst. Prof.	HVAC	1
43	Mohd Mudassir	M.Tech	Asst. Prof.	CAD/CAM	1
44	Mohd Abdul Rasheed	M.Tech	Asst. Prof.	CAD/CAM	1
45	Shaik Zubair	M.Tech	Asst. Prof.	HVAC	1
46	Syed Habeeb	M.Tech	Asst. Prof.	HVAC	1
47	V. Rajasekhar	M.Tech	Asst. Prof.	CAD/CAM	1
48	D. Satwik	M.Tech	Asst. Prof.	Mach.Design	1
49	P.H.Saranya	M.Tech	Asst. Prof.	Mach.Design	1
50	L. Rajamohan	M.Tech	Asst. Prof.	CAD/CAM	1
51	Ravinder Nilankar	M.Tech	Asst. Prof.	CAD/CAM	1
52	Mohd Nizamuddin	M.Tech	Asst. Prof.	HVAC	1

- List of senior visiting faculty : **NIL**
- Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **NIL**
- Student -Teacher Ratio (programme wise):

Programme	Student -Teacher Ratio
UG: (B.Tech)	1 : 15
PG: (M.Tech)	1 : 12

- Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Academic support staff (Technical)	10	10

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

No .of faculty with D.Sc /D.Litt	No. of faculty with Ph.D	No. of faculty with M.Phil	No. of faculty with PG(M.E/M.Tech/M.A/M.Com/M.Sc/MBA/MCA)	No. of faculty with UG (B.Tech)
0	3	0	49	0

- No. of faculty with ongoing projects from a) National b) International funding agencies and grants received:

a) National:

S.No	Name of the faculty	Title of the project	Funding agency	Grants received (Rs.)	Duration
Projects applied					

b) International:

S.No	Name of the faculty	Title of the project	Funding agency	Grants received (Rs.)	Duration
NIL					

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

Sl. No.	Name	Project	Amount	Status
1	G. Sreeram Reddy	Optimizing parameters of freeform surface using reverse engineering technology.	500000	Applied
2	B. V Reddi	Production of Multiferroic BiFeO₃ Nano wires/ Nano fibers	500000	Applied
3	V V. Satyanarayana	An Investigation on weld cladding of stainless steel on high strength low alloy (HSLA) steel	500000	Applied
4	K. Rajesh	Surface Engineering Aspects of High Strength Low Alloy Steel for Naval Application	500000	Applied

- Research Centre /facility recognized by the University : **NIL**

- Publications:

S.N o	Name of the Faculty	Details of Research Publications/ IPR	Name of the Journal	Year of Publishing / Registered
1	Prof.G.Sreeram Reddy	Optimum Design of a damped arbor for heavy duty milling	ISSN NO: 2278-7798 IJSETR Vol:4 Issue:8 PAGE NO: 2822-2830 (AUGUST 2015)	2015
2	Prof.G.Sreeram Reddy	Design and fabrication of Lever Operated Solar Lawn Mover and Contact Stress Analysis of Spur Gear	ISSN NO: 2278-7798 IJSETR Vol:4 Issue:8 PAGE NO: 2815-2821 (AUGUST 2015)	2015
3	Mr. Shaik Gulam Abul Hasan	Experimental Investigation on Performance, emission and combustion Analysis of CNG-Diesel enrichment with varying injection Operating pressures	e- ISSN: 2278 – 1684, P – ISSN: 2320 – 334X, Volume 12, Issue 2, (March – Apr 2015). www.iosrjournal.org	2015
4	Mr. Shaik Gulam Abul Hasan & Syeda Saniya Fatima	Design of a VRF Air conditioning System with Energy Conservation of Commercial building.	ISSN: 2277 – 9655. Impact Factor: 3.785. www.ijesrt.com (July 2015)	2015

5	Mr. Shaik Gulam Abul Hasan & Mr. Shaik Mohd Amoodi & Mr. J. Sandeep Kumar	VRF and Chiller Systems	ISSN : 2277 – 9655 (August 2015) www.ijesrt.com	2015
6	Mr. Shaik Gulam Abul Hasan & Syeda Saniya Fatima	Finite Element Analysis and Fatigue Analysis of Spur Gear under random loading (July 2015) www.ijesrt.com ISSN: 2277 – 9655	ISSN: 2277 – 9655. Impact Factor: 3.785. www.ijesrt.com (July 2015)	2015
7	Mr. Shaik Gulam Abul Hasan & Mr. Shaik Mohd Amoodi	Starring of Hydrogen as a Compression Ignition Engine fuel: a review	ISSN: 2250 – 0758 Volume 5, Issue 3, June 2015, www.ijemr.net	2015
8	Mr. Shaik Gulam Abul Hasan & Mr. Shaik Mohd Amoodi	Under Floor Air Distribution for better indoor air quality	ISSN: 2250 – 0758 Volume 5, Issue 3, June 2015, www.ijemr.net	2015
9	Mr. Shaik Gulam Abul Hasan & Mr. Shaik Mohd Amoodi	Design of II Stage Evaporative Cooling System for residential	ISSN: 2250 – 0758 Volume 5, Issue 3, June 2015, www.ijemr.net	2015
10	Dr.V.V.Satyanarayana Dr. G. MadhsudhaReddy	Evaluation of properties of dissimilar stainless steel welds by Taguchi methods	National Journal of “Indian Welding Society”,	March 2007
11	Dr. V.V.Satyanarayana Dr. G. Madhsudhan Reddy	Effect of surface roughness in the friction welding of Austenitic ferritic stainless steel dissimilar welds	National Journal of “Institution of Engineers”, Vol. 88,	April 2007
12	Dr.V. V. Satyanarayana, G. Madhusudhan Reddy and T. Mohandas	Dissimilar metal friction welding of austenitic-ferritic stainless steels	International Journal of “Materials Processing Technology”, 160, pp 128-137.	2005,
13	Dr.V. V. Satyanarayana, G. Madhusudhan Reddy and T. Mohandas	Continuous drive friction welding studies on AISI-304 austenitic stainless steel welds	International Journal of “Materials and Manufacturing Processes”, July, 2004, Vol.19, No.3, 493-497 pp	2004
14	Dr.V. V. Satyanarayana, G. Madhusudhan Reddy and T. Mohandas	Influence of welding processes on microstructure and mechanical properties of dissimilar austenitic-I welds	International Journal of “Materials and Manufacturing Processes” –February 2004	2004
15	Dr.V. V. Satyanarayana, G. Madhusudhan Reddy and T. Mohandas	Continuous drive friction welding studies on AISI-430 ferritic stainless steel welds	International Journal of “Science and Technology of Welding and Joining”, June 2003, Vol. 8, No. 3, 184-193 pp.	2003
16	Dr. V.V.Satyanarayana	Hard facing repair & maintenance	International Conference on “International welding symposium” – Conducted by Indian Tube association, 19-20 February 2005	2005
17	Dr. V.V.Satyanarayana	Effect of heat treatment process on electrical conduction for ferrous materials	International Conference on “Physical Metallurgical research techniques and applications” – Conducted by Bhabha Atomic Research Centre, Mumbai, 2-3 December 2004	2004

18	Dr. V.V.Satyanarayana, & Mr. T.Ram Mohan Rao	Competency and addition, a need for a successful Entrepreneur	International Conference on AIMS, December 28-31, , at IIM, Calcutta	2004
19	P.Ramakrishna Rao & V.V.Satyanarayana	A Simplified Numerical Technique For Metal Casting Process	9th ISME Conference on Mechanical Engineering, Roorkee, , pp 901-906	1995
20	Dr. V.V.Satyanarayana, Dr. G.Venkata Rao	Quality Optimization by Taguchi Method applied to Ferritic stainless steel friction welded Joints	National Conference on Advances in Joining Technology, Vasavi College of Engg, Hyderabad, 23-24 January 2004	2004
21	Dr. VV Satyanarayana, K.Kishore	Performance evaluation of Goose Neck Tools	National Conference on Advances in Manufacturing Systems, March 28-29, , Jadapur University, pp 106-111	2003
22	Satyanarayana, V.V. and K.Kishore	Instantaneous path fixing of autonomous mobile robots	Proc of International Conference on Intelligent Flexible Autonomous Manufacturing Systems, Coimbatore, Jan. 10-12, 2000, p.621	2000
23	Srihari,T and V.V.Satyanarayana	Study of the bead geometry in automatic gas metal arc welding	Proc. of National Seminar on Technology Management beyond, Nanded, Nov. 23-24, 1999	2000
24	Satyanarayana,V.V.	Review of experimental Techniques used for metal transfer in Arc welding process	International Welding Conf., New Delhi,	1999
25	Dr. V.V.Satyanarayana	Reduction of casting porosity in lost wax process choosing right coating materials by response surface criteria	QUEST '99, Centre for Military airworthiness & Certification, Bangalore,	1999
26	Dr.V.V.Satyanarayan a & Mr. B.R. Kolluri	Effect of metallurgical processes on formability of sheet metals	National Conference on TIME-2004, at Kakatiya Institute of Technology, Warangal on 27.12.2004	2004
27	Dr.V.V.Satyanarayan a & Mr. B.R. Kolluri	Significance of Plasma nitriding	National Conference on TIME-at Kakatiya Institute of Technology, Warangal on 27.12.2004	2004,
28	Dr.Srihari T.V.V.Satyanarayana, Ravi Varma, Diana, Unnati, Swathi,	Factorial Techniques to Predict Weld BeadGeometry in Flux Cored Arc Welding Process	4th International Conference on Mechanical Engineering, December 26-28, , at Dhaka, Bangladesh	2001
29	Dr.Srihari V.V.Satyanarayana, Ravi Varma, Diana, Unnati, Swathi,	Factorial Techniques to Predict Weld BeadGeometry in Electron Beam Welding	National Conference on Recent Advances in Materials Processing (RAMP –), September 7-8, 2001 at Annamalai Nagar, Tamil Nadu	2001
30	D.Srinivas Rao	Effect of Nanoparticles Dispersed Biodiesel Stability for Effectively Using as	➤ at International Conference on Nanomaterials and Nanotechnology,(ICNA NO2011), University of Delhi, NDIA.), Dated:18 - 21 Dec.2011

31	D.Srinivas Rao	Effect of Nanomaterials Sizes on the Dispersion Stability of biodiesel based nanofluids	Adv. Mater. Lett. 2015, 6(3), 247-251 DOI: 10.5185/amlett.2015.5638	2015
32	D.Srinivas Rao	Effect of Nanoparticles Size and Phase on the Stability of Nanofluids	International Conference on Nanoscience and Technology, (CONSAT2012) Dated:, Hyderabad, INDIA.	20 - 23 Jan.2012
33	D.Srinivas Rao	Investigations on γ -Al ₂ O ₃ Nanoparticles Dispersed Nanofluids	International Conference on Nanotechnology, (ICNT2013, Haldia Institute of Technology, Haldia, West Bengal, INDIA	25th – 26th Oct.2013
34	D.Srinivas Rao	Investigations on the Effect of Functionalized Materials on the Stable Nanofluids of γ -Al ₂ O ₃ , CuO and CNT Nanomaterials Dispersed Biodiesel	at International Union of Materials Research Society, International Conference in Asia-2013(IUMRS ICA-2013), Indian Institute of Science, Bangalore, INDIA.	6th-20thDec.2013,
35	D.Srinivas Rao	Nanomaterials and Their Size effects on Ignition Probability of Biodiesel based Nanofluids	International Conference on Nanoscience and Engineering Applications, (ICONSEA-2014) JNTUH Hyderabad, INDIA.	26 - 28 Jun.2014
36	D.Srinivas Rao	National Conference on “New Materials & Processes For Improving Quality Of Infrastructure(NE MPIQI 2012	University of Hyderabad, Hyderabad,	Oct-19-20, 2012

- Areas of consultancy and income generated : **NIL**
- Faculty as members in
 - a) National committees : **NIL**
 - b) International committees : **NIL**
 - c) Editorial Boards : **NIL**
- Student projects:
 - Percentage of students who have done in-house projects including inter departmental Programme : **20 %**
 - Percentage of students placed for projects in organizations outside the institution i.e., in Research laboratories/Industry/other agencies : **80%**
- Awards/Recognitions received by Faculty and students:
 - a) **Faculty:**
 - Facilitated Prof. G. Sreeram Reddy with “Best Teacher award” by the college for the academic year 2013-14.
 - Awarded Prof. G.Sreeram Reddy IUCEE-IGIP-MICROSOFT International Educator Certification
 - Awarded Prof. G.Sreeram Reddy MICROSOFT Educator certification
 - Dr. B.V.Reddi, Prof. Mech. Dept received awards from National Physical Laboratories (NPL) and Indian Crygenic Council for designingand fabricating Superconducting Magnetin 1975

b) Students:

- Our Student V.Badrinath has attended many national and international conferences and presented many papers. Some of them are:
 - Optical Flare - National workshop on optics and photonics - NIT Goa - March 2013
 - SPIE Optics + Photonics - San Diego, California - August 2013
 - OSA Frontiers in Optics FiO- Orlando, Florida - October 2013
 - SPIE Defence Security and Sensing DSS - Baltimore, Maryland - May 2014
 - Asia Students Photonics Conference ASPC - Kolkata - July 2014
 - SPIE Optics + Photonics - San Diego, California - August 2014
 - AIP Industrial Physics Forum - Campinas, Brazil - 27 Sep - 03 Oct 2014
- Our Student K. Ashwin Kumar had attended the following international conference on Aerospace and Information Technology and presented the following paper:
 - Deicing of Air Structures in University of Wurzburg, Germany
- Our Student K. Ashwin Kumar had attended the following international training schools
 - On “Protective Nano Coatings” in University De Mons, Mons, Belgium
 - On “Plasma Physics” in Superior Institute De Plasma, Lisbon, Portugal
 - On “Aerospace and Information Technology” in University of Wurzburg, Germany

Following students received financial grant to participate in various programs

S. No	Name of the student	Year	Name of the Programme participated	Place of the programme attended	Grant received
1	V C Badrinath	2013	Student Leadership Workshop	San Diego,CA,USA	\$2500
2	V C Badrinath	2013	Frontiers in Optics/LaserScience(FiO/LS)	Orlando, Florida, USA.	\$2000
3	V C Badrinath	2014	SPIE International Symposium on Sensing Technology Applications	Baltimore, Mary land, United States.	\$600
4	Kumar Ravi and VC Badrinath	2014	SPIE International Symposium on Optical Engineering Applications,	SanDiego,California,US A	\$2500
5	V C Badrinath	2015	Light: a Bridge between Earthand Space Preparatory School	Trieste, Italy.	€395
6	V C Badrinath & Ravi	2015	Siegman International School Of Lasers Max Plank Institute	Germany 02-07 August	\$2200
7	Kuchibhotla Ashwin kumar	6 to 13 June 2015	PRODECT'15 Summer School Department of Product and Systems Design Engineering	University of the aegean Island of Syros	Innovative product design & development €500
8	Kuchibhotla Ashwin kumar	12 to 17 July 2015	Plasma Surf 2015 Summer school in Plasma Physics	Oeiras Portugal	Only 35 people got selected through out World

9	Kuchibhotla Ashwin kumar	July 20 to July 31 2015	International Summer school Aerospace Information Technology	Wuerzburg Germany	€700
10	Kuchibhotla Ashwin kumar	4 July , 2015 to 12 July 2015	PolytechMons: Internship	University de Mons, Belgium	€450
11	V C Badrinath	2015	Light: a Bridge between Earth and Space Preparatory School	Trieste, Italy.	€395

- List of eminent academicians and scientists/visitors to the department:

S.No	Year	Name of the Academician/ scientist	Designation	Organization	Purpose of visit
1	2011-12	Dr.Uma Prasad Thakur	Director	DMDA	Guest Lecture
2	2011-12	Prof.P.Ramareddy	Ex-Registrar	JNTUH	Guest Lecture
3	2012-13	Dr.Komaraiah	Ex-Professor	OU	Guest Lecture
4	2012-13	Dr.Krishna Vedula	Member	IUCEE	College visit
5	2013-14	Dr.Siva Krishnan	Director	IUCEE	Guest Lecture
6	2013-14	Dr.Krishna Vedula	Member	IUCEE	College visit
7	2014-15	Dr.P.Ravinder Reddy	HOD	CBIT	Guest Lecture

- Seminars/Conferences/workshops organized and the source of funding:

(a) National

S.No.	Department	2014-15	2013-14	2012-2013	2011-2012
1	MECH	2	3	2	2

(b) International : NIL

- Student profile programme/course wise:

Year	Name of the course/programme	Applications received	Selected (Number admitted including Lateral Entry)	Enrolled		Pass percentage
				Male	Female	
2007-11	B.Tech (Mechanical)	75	75	67	8	93.85
2008-12		66	66	57	9	98.31
2009-13		65	65	54	11	93.75
2010-14		74	74	60	14	76.12
2011-15		143	143	xx	xx	xx

* Admissions are through EAMCET / PGECET counseling of AP State Govt.

- Diversity of the students:

Year of Admission	Name of the course	% of the students from the same state	% of the students from the other state	% of the students from abroad
2010-11	B.Tech(Mechanical)	100	0	---
2011-12		100	0	---
2012-13		100	0	---
2013-14		100	0	---
2014-15		100	0	---
2015-16		100	0	---

- How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

Name of the competitive examination	No. of students qualified			
	2011-12	2012-13	2013-14	2014-15
GATE	7	5	10	8
Civil Services	0	0	0	0
Defence Services	0	0	0	0
SLET	0	0	0	0
NET	0	0	0	0
GRE	18	20	21	30
Public Sectors	0	0	0	0

- Student Progression:

Student Progression	Against % enrolled
UG to PG	35
PG to M.Phil.	NA
PG to Ph.D.	5
Ph.D. to Post-Doctoral	NA
Employed	92
• Campus selection	
• Other than campus recruitment	
Entrepreneurship/Self-employment	4

- Details of infrastructure facilities:

a) Library

: Plinth Area - 41.75 sq.mts.

No. of titles	No. of volumes	No. of computers	No. of E-Journals	No. of Printed Journals
859	4345	15	4137	286

b) Internet facilities for Staff & Students:

- 4 Mbps broad band leased line from BSNL
- 12 Mbps NME (National Mission for Education through Information & Communication Technology)

c) Classroom with ICT facility: **01**

d) Laboratories : **11**

S.No	Name of the Laboratory	Area(Sq.mts)	Total Investment (Rs.)
1	Workshop	231.7	2,10,788
2	Machine Tools Lab	220.3	13,09,388
3	Production Technology Lab	220	1,33,802
4	Instrumentation and Control Systems Lab	68.15	40,208
5	Metrology Lab	68.15	59,640
6	Mechanics of Solids Lab	68.15	4,76,550
7	Metallurgy Lab	68.15	1,67,700
8	Heat Transfer Lab	68.15	2,78,235
9	Thermal Engineering Lab	221	6,25,976
10	Fluid Mechanics & Hydraulic Machine Lab	68.15	7,71,624
11	CAD/CAM Lab	68.15	20,25,815

- Number of students receiving financial assistance from college, University, Government or Other agencies:

Category	2010-11	2011-12	2013-14	2014-15
SC	16	18	32	31
ST	11	16	24	54
BC	59	77	105	84
EBC	21	19	30	138
PHH	0	0	0	0
<u>TOTAL</u>	<u>107</u>	<u>130</u>	<u>191</u>	<u>307</u>

- Details of student enrichment programmes (special lectures/workshops/seminars) with External experts:

S.No	Year	Name of the seminar/conference/workshop	Date(s)	Source of funding
1	2011-12	One Day National Workshop on "Innovative production technologies"	18/07/2011	College
2	2011-12	One Day National Workshop on "recent advancements in CAD/CAM"	16/02/2012	College
3	2012-13	One Day National workshop on "Nano Heat Transfer"	13/08/2012	College
4	2012-13	One Day National workshop on "Applications of FEM in Mechanical engineering"	11/03/2013	College
5	2013-14	Two Days workshop on "Robotics"	10,11 th August'13	College
6	2013-14	One Day National workshop on "Aeromodelling"	24-08-2013	College
7	2013-14	Two days workshop on "Aerotics-Automated Workshop"	5 th and 6 th Sept.2013	College
8	2014-15	Two days workshop on "Engineering Drawing"	25 th and 26 th Sept.2014	College
9	2014-15	Two days workshop on "Teaching Methods"	15 th and 16 th Oct.2014	College

- Teaching methods adopted to improve student learning:
 - Classes are conducted regularly as per time table.
 - Black board teaching in all class rooms.
 - Power point presentations/Video lectures/OHPs are arranged to the students by the concerned faculty.
 - Tutorial classes are conducted to improve the problem solving skills
 - Conducting class tests after completion of prescribed syllabus.
 - Providing extra content to fill the gap between academic and industry
 - Conducting remedial classes for poor learners to improve their academic performance
 - Development of student support material for poor learners and enthusiastic learners.
 - Assignment are given to students based on the need of the topic
 - Easy access to the notes of each subject from department library
 - Two Internal assessment tests are conducted
 - Providing extra lab practice to all the students to improve the practical skills along with regular curriculum.
 - For practical classes, one model test is conducted
 - Encouraging the students to deliver a seminar on topic related to subject in the allotted period.
 - Delivering staff seminars on advanced topics
 - Arranging workshops/guest lecturers to students by eminent personalities from academic institutions and Industry to enhance the knowledge of student
 - Involving the students in technical expo/exhibitions to develop the knowledge on application of mechanical engineering concepts.
 - Arranging Industrial Visits
 - Access to NPTEL lectures from IIT and other university professors through digital library.
 - Organizing seminars, technical quizzes, and model making contests.
 - Encouraging Mini Projects as a part project method of teaching.
 - Formulation of cooperative learning groups to improve peer group interaction.
 - Organizing coaching classes for GATE examinations and placement tests.
 - Support of Add-on-courses like Pro-E, CATIA and ANSYS to reinforce theoretical learning.

- SWOC Analysis of the Department and future plans:

Strengths:

- Qualified and experienced faculty
- Active participation of faculty in research activities
- Well equipped and spacious laboratories
- State-of-Art equipment under Scheme
- Student participation at International Conferences
- Student summer International Internships

Weaknesses:

- Lack of Industrial research and consultancy
- Non-availability of qualified teaching staff to promote curriculum development and research activities on advanced topics

Opportunities:

- Skill-set required by the leading MNC's and Public sector and intense training in soft skills and personality development by T & P Cell and association with alumni grabs the opportunities to make the students industry ready.
- Amicable management with generous attitude in the form of lucrative special pays and incentives with additional perks and allowances to attract highly qualified and efficient and veteran faculty.

Challenges

- Recruitment of qualified faculty and retention of faculty
- To meet constantly changing technological advancements
- To sustain competition from other universities and colleges

Future plans:

- To enhance Industry Institute Interaction
- MoU's with reputed companies in the field of Mechanical engineering.
- Implementation of Out come based Education in all the courses

ELECTRONICS AND COMMUNICATION ENGINEERING

- 1) Name of the department: ELECTRONICS & COMMUNICATION ENGINEERING
- 2) Year of Establishment : UG -1998
PG - 2012
- 3) Names of Programmes/Courses offered (UG, PG, etc...)
UG - B.Tech (Electronics & Communication Engineering)
PG - M.Tech - i) VLSI Design
ii) Embedded Systems
- 4) Names of Interdisciplinary courses and the departments/units involved: **YES**

S.no.	Course name	Offered by dept
1.	C Language and Data structure	Computer Science & Engineering
2	Electrical Circuits	Electrical & Electronics Engineering
3	Computer Organization	Computer Science & Engineering
4	Operating Systems	Computer Science & Engineering
5	Computer Networks	Computer Science & Engineering
6	Environmental Science	Humanities & Sciences

- 5) Annual semester system (programme wise):
 - B.Tech (Electronics & Communication Engineering) - Semester based Credit system- Electives for Higher semester.
 - M.Tech (VLSI Design) - Semester based Credit system- Electives for Higher semester.
 - M.Tech (Embedded Systems) - Semester based
- 6) Participation of the department in the courses offered by the departments
Courses offered by other departments:

S.no.	Name of interdisciplinary courses	Department involved
1.	Electronics Devices and Circuits	Computer Science & Engineering, Information Technology
2	Microprocessors and Micro controllers	Computer Science & Engineering, Information Technology, Electrical & Electronics Engineering
3	VLSI Design	Computer Science & Engineering, Information Technology
4	Digital logic Design	Computer Science & Engineering, Information Technology,, Electrical & Electronics Engineering

- 7) Courses in collaboration with other universities, industries, foreign Institutions, Etc.: NIL
- 8) Details of courses/programs discontinued (if any) with reasons: NIL
- 9) Number of teaching posts:

Designation	Sanctioned	Filled
Professors	02	02
Associate Professors	14	14
Assistant Professors	46	46

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

S.NO	FACULTY NAME	DESIGNATION	QUALIFICATION	SPECIALIZATION	EXPERIENCE
1	Dr M V Krishna Rao	Professor	Ph.D	Digital Image Processing	30
2	P V Narasimha Reddy	Professor	M.E	Digital System Design	30
3	Mr T Venugopal	Associate Professor	M.E	DS & CE	20
4	Mr M Rajendra Prasad	Associate Professor	M.E,(Ph.D)	Embedded System for Mobile Applications	17
5	Mrs. M Nirmala	Assoc. Prof	M.Tech	Digital Systems	12
6	Mr Shaik Mazunu	Associate Professor	M.E,(Ph.D)	Digital system	14
7	Mrs A Prasanna Lakshmi	Associate Professor	M.Tech	SSP	13
8	Mr G Sreenivasa Rao	Associate Professor	M.Tech	Embedded Systems	11
9	Mr G Nagendra	Associate Professor	M.Tech	VLSI Design	10
10	Mrs .G Annapurna	Assistant Professor	M.Tech	VLSI Design	10
11	Mr G Ravi Kishore	Associate Professor	M.Tech	VLSI Design	9
12	Mr.S.Upendr	Associate Professor	M.Tech	VLSI Design	8.5
13	Ms A Jayalakshmi	Assistant Professor	M.Tech	VLSI Design	8
14	Ms E Kalpana	Associate Professor	M.Tech	VLSI Design	7
15	Mrs Uma Rani	Associate Professor	M.Tech	Embedded Systems	6
16	Ms M J Sucharitha	Associate Professor	M.Tech	VLSI Design	6
17	Mrs .Ch Sirisha Devi	Assistant Professor	M.Tech	VLSI Design	7
18	Mrs . B Rama Maheswari	Assistant Professor	M.Tech	VLSI Design	7
19	Mrs .Sodum Radhadevi	Assistant Professor	M.Tech	Embedded Systems	6
20	Mrs .Sunitha Rani	Assistant Professor	M.Tech	Embedded Systems	6
21	Mrs .M Lalitha Sowmya	Assistant Professor	M.Tech	Embedded Systems	6
22	Mr .G Someswara Rao	Assistant Professor	M.Tech	Communication Systems	6
23	Mr K Lakshmi Lokesh	Assistant Professor	M.Tech	Embedded Systems	6
24	Mrs .K. Deepika	Assistant Professor	M.Tech	VLSI Design	6

25	Mrs O Jayamadhuri	Assistant Professor	M.Tech	VLSI Design	5
26	Ms K Pavani	Associate Professor	M.Tech	VLSI Design	5
27	Mr G Abubakar	Assistant Professor	M.Tech	DS & CE	5
28	Manne Renuka	Assistant Professor	M.Tech	VLSI Design	5
29	Ms.S.Santhipriya	Assistant Professor	M.Tech	VLSI Design	5
30	Mrs .K Tarangini	Assistant Professor	M.Tech	VLSI Design	5
31	Mr . Nageswara Rao R	Assistant Professor	M.Tech	VLSI Design	5
32	Mr V Sridhar	Assistant Professor	M.Tech	Wireless Communication & Networks	4
33	Mrs .Jakkidi Archana	Assistant Professor	M.Tech	Embedded Systems	4
34	Mrs .Lavanya Jasti	Assistant Professor	M.Tech	Telematics	4
35	Mr .Ritesh Suroj	Assistant Professor	M.Tech	Embedded Systems	4
36	Mr .G Ravi Kumar	Assistant Professor	M.Tech	VLSI Design	4
37	Ms E Kavitha	Associate Professor	M.Tech	DS & CE	3
38	Mrs. Y Aruna	Assistant Professor	M.Tech	Embedded Systems	3
39	Mrs .K Satyadurga	Assistant Professor	M.Tech	Embedded Systems	3
40	Mr .Hari Babu	Assistant Professor	M.Tech	Communication Systems	3
41	Mr .Sandeep	Assistant Professor	M.Tech	Embedded Systems	3
42	Ms A Pavitra	Assistant Professor	M.Tech	Embedded Systems	3
43	Mrs .N Uma	Assistant Professor	M.Tech	VLSI Design	2
44	Mrs .S Raga Deepthi	Assistant Professor	M.Tech	DS & CE	2
45	Mrs .Anaga Kukarni	Assistant Professor	M.Tech	VLSI & Embedded Systems	2
46	Mr .A Somanandan	Assistant Professor	M.Tech	Embedded Systems	1
47	Mr .V A Krishna Pradeep	Assistant Professor	M.Tech	Embedded Systems	1
48	Ms. D.. Cathy Niteesha	Assistant Professor	M.Tech	Embedded Systems	1
49	Mr .D.. Sunil Kumar	Assistant Professor	M.Tech	Embedded Systems	1
50	Ms. Patlola Sowmya	Assistant Professor	M.Tech	Embedded Systems	1
51	Ms Vanga Jyothi	Assistant Professor	M.Tech	Embedded Systems	1
52	Ms. Rakam Mamatha	Assistant Professor	M.Tech	Embedded Systems	1
53	Mr .Potta Prashanth	Assistant Professor	M.Tech	Embedded Systems	1

54	Mr .A Bhajarang Prasad	Assistant Professor	M.Tech	Embedded Systems	1
55	Ms. Mekala Hemalatha	Assistant Professor	M.Tech	Embedded Systems	1
56	Mr .K Naresh Kumar	Assistant Professor	M.Tech	Embedded Systems	1
57	Mr .Venkat Reddy	Assistant Professor	M.Tech	Embedded Systems	1
58	Mr .Dharavath Srinivas	Assistant Professor	M.Tech	Embedded Systems	0.5
59	Mr. V Indupriya	Assistant Professor	M.Tech	SSP	6
60	Mr. K. Adithya	Assistant Professor	M.tech	Embedded Systems	1
61	Ms. M. Swapna Swetha Himabindu	Assistant Professor	M.tech	Embedded Systems	1
62	Mr. K. Balaramudu	Assistant Professor	M.tech	VLSI Design	1

11) List of senior visiting faculty : NIL

12) Percentage of lectures delivered and practical classes handled (programme wise) by temporary
Faculty: NIL

13) Student -Teacher Ratio (programme wise):
UG: (B.Tech) - 1 : 15
PG: (M.Tech) - 1 : 12

14) Number of academic support staff (technical) and administrative staff;

	Sanctioned	Filled
Academic Support staff (Technical)	8	8
Administrative staff	1	1

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

No of Faculty with D.Sc/D.Litt	No of Faculty with Ph.D	No of faculty with M.Phil	No of faculty with PG (M.Tech / MA/ M.Com / M.Sc/ MBA / MCA)	No of faculty with <u>UG</u> (B.Tech)
N/A	1	N/A	61	-

16) Number of faculty with ongoing projects from funding agencies and grants received:

- a) National : NIL
- b) international : NIL

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

S.No	Title of the project	Funding Agency	Name of the Coordinator	Grant received(Rs.)	Duration
1	Machine Characterization of Telugu Phonemes	UGC	Dr,M V Krishna Rao	4.97 Lakhs	2 years (Applied)
2	Investigation & Analysis of Mobile phone Radiation and its impact on Biological and Ecological Systems.	UGC	M. Rajendra Prasad	8.12 Lakhs	2 Years (Applied)
3	Waveform design for LPI Radar	UGC	Mr.Shaik Maznu	4.93 Lakhs	2 Years (Applied)
4	Investigation of EMF radiation impact on biota	AICTE	M. Rajendra Prasad	24.5 Lakhs	2 Years (Applied)

18) Research Centre /facility recognized by the University: NIL

19) Publications:

Electronics and Communication Engineering				
S.no	Name of faculty Qualification & designation	Details of research publications/ipr	Name of the journal	Year of Publishing/ Registered
1	Dr. M.V.Krishna Rao	Spectral Characterization of Indian Tanpura	Spinger Journal of Signal Processing Systems (JSSP) Volume: 81, ISSN: 1939-8018 (print), ISSN: 1939-8115 (electro) <i>Referred</i>	2015
2	Dr. M.V.Krishna Rao	Automatic Estimation of Singer's Sruti in Indian Classical Music	Elsevier Journal of Computers & Electrical Engineering (CEE) Volume: 41, ISSN: 0045-7906 <i>Referred</i>	2015
3	Dr. M.V.Krishna Rao	Acoustic Characterization of Indian Musical Swaras	Spinger Journal of Circuits, Systems, and Signal Processing (CSSP) Volume: 34, ISSN: 0278-081X (print) ISSN: 1531-5878 (electro) <i>Referred</i>	2015
4	Dr. M.V.Krishna Rao	Spectral Kurtosis Theory-A Review through Simulations	Global Journal of Researches In Engineering, GJRE (F), Volume 15 Issue VIISSN: 0975-5861 <i>Double Blind Peer Reviewed</i>	2015
5	Dr. M.V.Krishna Rao	A Novel Classifier for Digital Angle Modulated Signals	Global Journal of Computer Science & Technology GJCST(H) Volume 15 Issue Ionline ISSN: 0975-4172 Print ISSN: 0975-4350 <i>Double Blind Peer</i>	2014

6	Dr. M.V.Krishna Rao	Investigation of Window Effects and the Accurate Estimation of Spectral Centroid	Global Journal of Researchers in Engineering, GJRE (J), Volume 15 Issue IV ISSN: 0975-5861 <i>Double Blind Peer Reviewed</i> Pp. 31-41	2014
7	Dr. M.V.Krishna Rao	Machine analysis and synthesis of spoken Telugu vowels	Third international Conference on Computational intelligence And information technology, Ciit-2013, 18-19 oct. 2013, Published by iet. Doi:10.1049/cp.2013.2577 Inspec acc.no: 14542316 @ieeeexplore	2013
8	M.Rajendra Prasad	“Project Based Teaching Methodology for Embedded Engineering Education”	Jeet, issn:2349-2473. [pg: 52-57]	2015
9	K L Lokesh	Application of Data Hiding in Audio Image Using Anti Forensics For Authentication and Data Security	IJEEC ISSN:2049-1069 [PG:1411]	2014
10	Prof.Jakeer Hussain	A neural network model for predicting epileptic seizures based on fourier-based functions	IJSIP ISSN:2005-4254 [PG:300-308]	2014
11	Prof.Jakeer Hussain	An artificial neural network model for classification of epileptic seizures using Huang Hilbert transform	IJSC-2014 [PG:23-33]	2014
12	M.Rajendra Prasad	Design and Analysis of Boot Loader for Embedded Telecom Applications-IPBTS	ICAETR-2014 [PG: 71-78]	2014
13	M.Rajendra Prasad	Design and Analysis of Boot Loader for Embedded Telecom Applications-IPBTS	ICAETR-2014 [PG: 71-78]	2014
14	M.Renuka	Design of digital finite impulse response filter using different low power multiplier	IJESRT ISSN:2277-9645 [PG: 632-646]	2014
15	M.Sri Lakshmi	Selective interpret with eavesdrop for cooperative opportunistic communication in mobile Ad-Hoc routing	IJSRM-14 ISSN:2321-3418 [PG: 487-490]	2014

16	M.Rajendra Prasad	ARM-7 based fingerprint authentication system	IJAIE ISSN:2319-4847 [PG: 149-154]	2013
17	Mr V Sridhar	Audio compression using munich and Cambridge filters for audio coding with morlet wavelet	GLOBAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY ISSN:0957-4172 [PG:25-31]	2013
18	V.Sridhar	Automatic vehicle RC book & driving license verification system using RFID	IJMIE ISSN:2249-0558 [PG:523-536]	2013
19	K. Tarangini	Design and development of AXI based multi channel interrupt controller 2	IJMRA (APRIL-2013) ISSN:2249-0558 [PG: 108-125]	2013
20	M.lalitha soumya	Lowpower/low voltage cross (coupled sram-based on Schmitt trigger)	IOSR-JVSP ISSN:2319-4197 [PG: 30-34]	2013
21	G.Ravi Kishore	Web based audio/video playback system through text based sms using gsm and s3c2440	ICACSE ISSN: [PG: 388-391]	2013
22	G.Ravi Kishore	Wireless network based mines safety system using ARM9	ICACSE ISSN:2278-3091 [PG: 430-432]	2013
23	Sunitha Rani	Bone – Age Assessment using Wavelet Transform	International journal of advanced research in computer science and electronics engineering (ijarcsee) ISSN:2217-128X [PG: 179-183]	2012
24	S. Santhi Priya	Design and Implementation of APB Bridge based on AXI	International journal of engineering research and technology nov – 2012 ISSN:2278-0181 [PG: 1-4]	2012
25	E. Kalpana	Flying Object Travel Location Data Logger 2GB MMC/ST Memory Card Using GPS for Aeronautical Applications	International journal of engineering sciences and management” (ISSN: 2231-3273) DEC – 2012 ISSN:2320-0294 [PG: 23-41]	2012
26	M.Rajendra Prasad	Research Method to Optimize Logger for a Telecom Application Running on Embedded System	International journal of engineering research and development (ijerd) ISSN:2278-067X [PG: 1-9]	2012
27	T. Naga Laxmi	Design and Implementation Optimal Pulse Shaping Filters for Digital Radio Systems	International journal of advanced research in computer engineering & technology (ijarcet) ISSN:2378-1323 [PG: 18-23]	2012
28	V.Sridhar	BER and simulation of OFDM modulator and demodulator wireless broadband applications	International journal of advanced research in computer engineering & technology (ijarcet) ISSN:0975-4350 [PG:201-209]	2012

29	T. Naga Laxmi	Implementation of Matched Filter Based DSSS Digital GPS Receiver	International journal of advanced research in computer engineering & technology (ijarcet) ISSN:2278-1323 [PG: 8-17]	2012
30	T. Naga Laxmi	Maximum Power Point Solar Tracking using LDR and ZIGBEE Module	International journal of advanced research in computer science and electronics engineering (ijarcsee) ISSN:2277-9043 [PG: 123-130]	2012
31	M.J. Sucharitha	Blind Digital Video Water Marking Technique for Video Authentication by using DWT	International journal of advanced research in computer science and electronics engineering (ijarcsee) ISSN:2277-9043 [PG: 21-34]	2012
32	M.Lalitha soumya	Design of custom instrums in cryptography processor	IJERA ISSN:2248-9622 [PG: 1718-1723]	2012
33	G.Ravi kishore	Design and development of prepaid energy meter with serial data transmission	IJRTET [PG: 9-12]	2010
34	T.Venu gopal Assoc.Prof	Efficient Implementation of Viterbi decoder with variable code rate	IJARCET, Sep-2015, Volume-4, Issue : 9, PP: 3566-3576	2015
35	T.Venu gopal Assoc.Prof	Low cost self Contained localization of small sized ground robotic Vehicle	IJERST, Oct-2015 PP:143-156	2015
36	Shaik Maznu	Design of Low power Reconfigurable 32*32 bit Multiprecision Voltage Scaling Multiprocessor	IJRAET, July-2015 Volume-4, Issue : 2 PP:309-316	2015

20) Areas of consultancy and income generated:

Area of consultancy	Income generated
Microwave equipment Design	15,000/-
Microwave equipment Design	25,000/-

21) Faculty as members in

a) **National Committees:**

- Dr M V Krishna Rao is the Executive Committee member of IETE, Hyderabad Center. 2014-2015

b) **International Committees:**

- Dr .M V Krishna Rao is an IEEE Volunteer & Resource person for IEEE activities and the Secretary of Comsoc/SPS Joint Chapter of IEEE Hyderabad Section.2014-2015

c) **Editorial Boards :**

Sl.no	Name of the Faculty	Dept.	Name of the book/Chapter published	Name of the publisher
1	Prof.G.Radha Krishna	ECE	Optical Communication (1st Edition)	Hi-Tech Publishers
2	Prof.G.Radha Krishna	ECE	:Cellular and Mobile Communication	BSP Publications
3	Prof. G. Radha Krishna	ECE	Microwave Engineering	BSP Publications
4	T.Venu gopal	ECE	Embedded System Design	Dominion publications

22) Student Projects:

- a) Percentage of students who have done in-house projects including inter Departmental/programme :
65.14%
- b) Percentage of students placed for projects in organizations outside the institution i.e.
in research laboratories/industry/other agencies
:34.86%

23. Awards / Recognitions received by faculty and students:

- a) Faculty: Senior faculty Mr. M. Rajendra Prasad is awarded as best faculty in the year
2015.
- b) Students:

S.No	Name of the student	Branch	Name of the Topic/Event	Name of the Institution	Year
1	K.Prasanna	ECE	Paper Presentation	MGIT,Hyd	2013-14
2	P.Srinivas Reddy	ECE	Texas Analog Design Contest	VJIT,Hyd	2013-14
3	D.Naveen Raj	ECE	Texas Analog Design Contest	VJIT,Hyd	2013-14
4	J.Vivek	ECE	Texas Analog Design Contest	VJIT,Hyd	2013-14
5	N.Venkatesh	ECE	Texas Analog Design Contest	VJIT,Hyd	2013-14
6	D.Vinod Kumar	ECE	Texas Analog Design Contest	VJIT,Hyd	2013-14
7	P.Anurag	ECE	OSA Short courses	OSA,Bangalore	2013-14
8	P.Srinivas Reddy	ECE	National Level Workshop	NIT,Goa	2013-14
9	B.SaiTeja	ECE	Techno Quiz Contest	VJIT,Hyd	2013-14
10	D.Eswar Goud	ECE	Volley Ball-Runners	JNTUH	2013-14
11	B.Sainath	ECE	Badminton	JNTUH	2013-14
12	P.Kranthi Kumar	ECE	Chess	JNTUH	2013-14
13	B.Arun Kumar	ECE	Maze-Robotics	MJCET	2008-09
14	B.Arun Kumar	ECE	All Terrain-Robotics	MJCET	2008-09
15	B.Arun Kumar	ECE	Robotics-Robo Sumo	RRSCET	2008-09
16	C.Naveen	ECE	All Terrain-Robotics	MJCET	2008-09
17	R.Mohan Krishna	ECE	Eureka	VJIT	2008-09
18	R.Mohan Krishna	ECE	Robotics-Robo Sumo	VJIT	2008-09
19	C.Naveen	ECE	Maze-Robotics	VJIT	2008-09
20	B.Adithya	ECE	Robo Soccer	VJIT	2008-09
21	B.Adithya	ECE	All Terrain-Robotics	VJIT	2008-09
22	B.Adithya	ECE	Maze- Robotics	VJIT	2008-09
23	S Shashidhar Reddy and V C Badrinath	ECE & Mechanical	Student Leadership Workshop Student Chapter poster presentation	San Diego, CA, USA,	2013-14
24	MsKavya	ECE	“21 st Century Grand Challenges of Engineering”. Under Energy Track: MsKavya, ECE 2nd year best action plan winning team	ICTIEE 2015,ISF-2015,BMS college of engineering, Bangalore,5 th to 8 th Jan	2015-16

25	MsKavya and Roopak	ECE	“21 st Century Grand Challenges of Engineering”.Best poster award	ICTIEE 2015,ISF-BMS college of engineering,Bangalore,5 th to 8 th Jan	2015-16
26	B Santosh Pawan Kumar	ECE	Students platform for Engineering education SPEED India.	Social Media Officer	2015-16

24) List of eminent academicians and scientists/ visitors to the department.:

S.NO	Academic-Year	Name of the Academician /Scientist/Visitor	Designation	Organization	Purpose of Visit
1	2014-15	Mr. Ch. Satyanarayana	Scientist G, Head of Telemetry and Telecommand System Group,	RCI, Hyderabad	Signal Processing and Communications, Colloquium-III
2		Dr.Jayanthi SivaSwamy	Professor,Center for Visual Information Technology (CVIT),	IIIT, Hyderabad	Empowerment of Women Engineering.
3		Dr.Rajarshi Mahapathra	Technical Specialist,	Rockwell Collins,Hyderabad	Cognitive Radio:Making Radio Self Aware
4	2013-14	Prof. S.V. Narsimha Reddy	Associate Professor	CVR college,Hyderabad	Guest Lecture
5		Mr. Syed W Hussaini	Researcher	Business Systems and Cybernetics Center at TCS Ltd.,	<u>IEEE Student Chapter</u> inauguration
6		Mr. M. Sesha Chalam	Addl. GM Mobile Sales,	BSNL, Hyderabad	Special Lecture
7		Mr. N. Suresh Kumar,	Director	ELEGENT Technologies	Workshop
8		Mr.S.Mahesh Anand	Founder & CEO	SCS-India.	Workshop On “COMPREHENSIVE MATLAB”
9		Mr .Suprath Joshi ,	CEO	Embedded RF Technologies,Hyderabad	A Two Day Workshop On “Embedded System ARM7 And Raspberry Pi”
10	2012-13	Dr. K.S.Rao	Director	Anurag Group of Institutions, Hyderabad	Guest Lecture
11		Mr. M. Sesha Chalam	Addl. GM Mobile Sales,	BSNL, Hyderabad	Guest Lecture
12		Prof. R. Ethiraj	Professor in ECE	Methodist College Of Engineering Hyderabad	Guest Lecture
13	2010-11	Prof. S. Maheswara Reddy	Associate Professor	Hitech College Of Engineering,Hyderabad	Guest Lecture
14		Dr.Lal Kishore	Rector	JNTUH,Hyderabad	Guest Lecture
15		Prof.D.Linga Reddy	Prof in ECE	Osmania University, Hyderabad	Guest Lecture

16		Prof. R. Ethiraj	Professor in ECE	Methodist College Of Engineering Hyderabad	Guest Lecture
17		Mr. Hari Reddy	Director	Zonta Technologies, Hyderabad	Guest Lecture
18		Dr. G. Ramaiah	Director	Prakasam Engineering College, Kandakur, Ongole	Guest Lecture

25) Seminars/ Conferences/Workshops organized & the source of funding

a)National

2014-15

S.No	Workshop Title	Dates	Key Person
1	Signal Processing and Communications, Colloquium-III	20 th sep 2014	M.V.Krishna Rao,Hod,ECE
2	MATLAB WORKSHOP	26 th JUNE,2014	Mr. Sk. Jakeer Hussain,

2013-2014

S.No	Workshop Title	Dates	Key Person
1.	<u>A Two Day Workshop On “COMPREHENSIVE MATLAB”</u>	19 th & 20 th February, 2014.	Mr. Mahesh Anand S, Founder & CEO, SCS-India.
2.	<u>Hands On Training “Medical Image Processing”</u>	8 th January, 2014.	Mr. Sk. Jakeer Hussain,
3.	MATLAB WORKSHOP	26 th JUNE,2014	Mr. Sk. Jakeer Hussain,
4.	<u>A Two Day Workshop On “Embedded System ARM7 And Raspberry Pi”</u>	3 rd & 4 th January, 2014.	Suprath Joshi, CEO,Embedded RF Technologies
5.	Texas analog design contest	College level contest JAN 20 th -FEB21 th	Mr.V.Sridhar
6.	Workshop on Lab View	06 th July 2013.	Mr. Sk. Jakeer Hussain
7.	Workshop on Verilog	20 th & 27 th July 2013	Mr.RaviKishore
8.	Workshop on LINUX Programming	15 th &17 th July 2013	Mrs.Syed Sameera.
9.	Phython In A Day	17 th September 2013	Mr. Sk. Jakeer Hussain
10.	<u>Special Lecture On “Key To Success”</u>	24 th December, 2013.	Mr. M. Sessa Chalam, Addl. General Manager, BSNL.
11.	<u>FPGA Based VLSI Design Using Verilog With Practical Implementation</u>	19 th & 20 th December, 2013.	N. Suresh Kumar, Director, ELEGENT Technologies.

2012-13

S.No	Workshop Title	Dates	Key Person
1.	A Workshop on Autonomous Robotics	23 – 24 Jan 13	Techkriti’13, IIT Kanpur & I3Indya Technologies

c) International: NIL

26) Student profile programme/course wise:

Year	Name of the Course/ program	Applications received	Selected (Number Admitted including Lateral Entry)	Enrolled		Pass percentage
				Male/	Female	
2008-12	B.Tech (ECE)	127	127	92	35	95.24
2009-13		131	131	99	32	86.72
2010-14		144	144	98	46	90.44
2011-15		132	132	92	40	82.84
2012-14	M.Tech (VLSI)	19	19	10	9	82.61
2012-14	M.Tech (ES)	23	23			82.41

27) Diversity of Students:

Year of Admission	Name of the Course	% students from the same State	% of students from other States	% of Students from abroad
2012-13	B.Tech (ECE)	100	-	-
2013-14		100	-	-
2014-15		100	-	-
2012-13	M.Tech (VLSI)	100	-	-
2013-14		100	-	-
	M.Tech (ES)	100	-	-
2012-13		100	-	-
2013-14				

28) How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. ?

Name of the Competitive examination	No. of students qualified			
	2011-12	2012-13	2013-14	2014-15
GATE	8	5	15	6
Civil Services	-	-	-	-
Defence Services	-	-	-	-
SLET	-	-	-	-
NET	-	-	-	-
GRE	28	20	23	35
Public Service Sectors	-	-	-	-

29) Student progression:

Student progression	Against % enrolled
UG to PG	140
PG to M.Phil.	N.A
PG to Ph.D	-----
Ph.D. to Post-Doctoral	N.A
Employed	122
• Campus selection	
• Other than campus recruitment	
Entrepreneurship Self-employment	5

30)
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a) Library

: Plinth Area - 41.75 sq.mts.

No. of Titles	No. of Volumes	No. of Computers	No. of E-Journals	No. of Print Journals
859	4345	15	4137	286

b) Internet facilities for Staff & Students:

- 4 Mbps broad band leased line from BSNL
- 12 Mbps NME (National Mission for Education through Information& Communication Technology)

c) Class rooms with ICT /LCD facility: 2

d) Laboratories : 8

Sl. No.	Lab Name	Area (sq.m)	Total Amount (Rs in Lakhs)
1	Electronic Devices and Circuits lab-1	68.15	10,99,853
2	Electronic Devices and Circuits lab-2	68.15	10,99,852
3	Communications Lab	68.15	7,87,422
4	IC Applications Lab	68.15	7,35,972
5	ECAD LAB, MTECH R&D Lab	68.15	18,81,347
6	Microprocessors and Interfacing Lab	68.15	7,83,935
7	Microwave and Optical Communications Lab	68.15	8,22,657
8	Embedded systems R&D lab	68.15	1,46,832

31) Number of students receiving financial assistance from college, university, government or other agencies.

S.No	Name of the student	Year	Name of the Programme participated	Place of the programme attended	Grant received
5	P Anurag Reddy	2015	SPIE Photonics West 2015	San Fransico, California, USA	\$2800

S.No	Agency	Number of students Received financial assistances				
		2014-15	2013-14	2012-13	2011-12	2010-11
1	College	-	-	-	-	-
2	University	-	-	-	-	-
3	Government	270	232	308	260	238
4	Other Agencies	1	-	-	-	-

32). Details on student enrichment programmes (special lectures/ workshops/seminar) with external experts.

	Title of the	Special Lectures /workshop/seminar	Dates	No of benefited
2014	Signal Processing Colloquium			
2013	workshop on LAB – VIEW for III year students	Workshop	6 th July	120
2013	workshop on LINUX for IV year students on	workshop	15 th and 22 nd July '13.	120
2013	workshop on DIGITAL DESIGN THROUGH VERILOG	workshop	20 th , 27 th of July '13 and 3 rd , 17 th of August '13	132
2013	Texas Instruments Analog Design Contest.	National event		
2013	workshop on PYTHON for III year students on	workshop	17 th Sept '13.	120
2013	FPGA Based VLSI Design using verilog with practical implementation (IEEE STUDENT BRANCH)	Workshop	19 th to 20 th December	120
2013	Key to success by Mr. M. Sesha Chalam, Addl. General Manager, BSNL	lecture	24 th December	300
2014	Embedded system ARM7 and Rasberi pi(IEEE STUDENT BRANCH)	Workshop	3 rd -4 th January	120
2014	Hands on experience in Medical Image processing	Special Lectures	8 th January	90
2014	Comprehensive Matlab	Workshop	19 th -20 th February	70

- 33) Teaching methods adopted to improve student learning
- ✓ Classes are conducted regularly as per time table.
 - ✓ Black board teaching in all class rooms.
 - ✓ Power point presentations/Video lectures/OHPs are arranged to the students by the concerned faculty.
 - ✓ Tutorial classes are conducted to improve the problem solving skills
 - ✓ Conducting class tests after completion of prescribed syllabus
 - ✓ Providing extra content to fill the gap between academic and industry
 - ✓ Conducting remedial classes for poor learners to improve their academic performance
 - ✓ Assignment are given to students based on the need of the topic
 - ✓ Easy access to the notes of each subject from department library
 - ✓ Two Internal assessment tests are conducted
 - ✓ Providing extra lab practice to all the students to improve the practical skills along with regular curriculum.
 - ✓ For practical classes, one model test conducted
 - ✓ Encouraging the students to deliver a seminar on topic related to subject in the allotted period.
 - ✓ Delivering staff seminars on advanced topics
 - ✓ Arranging workshops/guest lecturers to students by eminent personalities from academic institutions and Industry to enhance the knowledge of student
 - ✓ Involving the students in technical expo/exhibition to develop the application of electronics.
 - ✓ Arranging Industrial Visits
 - ✓ NPTEL lectures from IIT and other professors

34). Participation in Institutional Social Responsibility activities.

a) NSS activities

YEAR	NAME OF THE ACTIVITY	VENUE	DATE	NO OF STUDENTS PARTICIPATED
2010	1 st Special summer camp	HIMAYAT NAGAR Moinabad mandal	19/03/10-25/03/10	25
2012	2 nd special summer camp	Anthappaguda Sankar palli mandal	06/03/12-12/03/12	30
2012	Bio diversity train visit	Secunderabad station	14/10/12	25
2012	Organ donation camp	Jubli hills		
2012	NSS activity to the Government Library	Moinabad Mandal	14/11/12	32
2013	3 rd Special winter camp	Chilukuru moinabad mandal	21/01/13 – 30/01/13	60

35). SWOC analysis of the department and Future plans

Strengths:

- Highly competent, motivated and dedicated faculty in the Department.
- Innovative teaching methodologies like Project Based Teaching Methodology are developed and implemented successfully for various courses.
- Excellent infrastructure to implement in-house projects in the area of Embedded Systems and VLSI Technologies.
- High level encouragement of students in the participation of extracurricular and co-curricular activities like participation of IUCEE, IEEE activities
- Conducting webinars regularly for faculty and Students.

Weaknesses:

- Insufficient placement in core companies .
- Consultancy and industrial interaction need to be improved.

Challenges:

- Because of more number of Engineering Colleges, quality of intake is poor,
- Filling gap between industry and institute.
- To improve placements in core companies.

Future Plans:

- To endorse MOUs with a multinational companies and International Universities.
- To establish incubation R&D centers in the area of Embedded Systems and VLSI.
- To take up consultancy works of at least Rs.5 lakhs in next three years.
- To introduce value added courses as per the requirement of the industry.

COMPUTER SCIENCE AND ENGINEERING

1. Name of the department : COMPUTER SCIENCE AND ENGINEERING
 2. Year of Establishment : UG: 1999 PG: 2011
 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.)

UG : B.Tech (Computer Science and Engineering)

PG : M.Tech (Computer Science and Engineering)

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

S.No	Name of the Course	Department Involved
1.	Electronic devices & Circuits	Electronics & Communication Engineering
2.	Digital Logic Design	Electronics & Communication Engineering
3.	Probability & Statistics	Humanities & Sciences
4.	Basic Electrical Engineering	Electrical & Electronics Engineering
5.	Environmental Studies	Humanities & Sciences
6.	Microprocessors & Interfacing	Electronics & Communication Engineering
7.	VLSI	Electronics & Communication Engineering
8.	Management Science	Master of Business Administration
9.	Managerial Economics & Financial Analysis	Master of Business Administration

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

UG: B.Tech (Computer Science and Engineering) - Semester based

PG: M.Tech (Computer Science and Engineering) - Semester based

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

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

S. No	Programme	Course Name	Offered to (Dept Name)
1	U.G	C & Data Structures	Electrical & Electronics Engineering
			Electronics & Communication Engineering
			Mechanical Engineering
			Civil Engineering
		Computer Networks	Electronics & Communication Engineering
		Operating Systems	Electronics & Communication Engineering
		Database Management Systems	Electrical & Electronics Engineering
		Computer Organization	Electrical & Electronics Engineering
2	P.G	Computer Graphics	Mechanical Engineering
		Network Security & Cryptography	Embedded Systems
		Statistical Data Analysis	Master of Business Administration

etc.: **NIL**

7. Details of courses/programmes discontinued (if any) with reasons: **NIL**

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	02	02
Associate Professors	09	09
Assistant Professors	36	36

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

S.No	Name	Qualification	Designation	Specialization	No Of Years of Experience
1.	Dr .V. Venkata Krishna	M.Tech., Ph.D	Prof & H.O.D	Image Processing	24
2.	Prof. M. Ravi	M.Tech., (Ph.D)	Prof.	Computer Science &Engg	21
3.	Mr. B Srinivasulu	M.E.	Asso.Prof	Software Engineering	15
4.	Mrs M Vijaya Shanthi	M.Tech	Asso.Prof	Computer Science &Engg	9
5.	Mr D Venkateswarlu	M.Tech, (Ph.D)	Asso.Prof	Computer Science &Engg	14
6.	Mr P Kiran Kumar	M.Tech	Asso.Prof	Computer Science &Engg	9
7.	Mrs B Sailaja	M.Tech	Asso.Prof	Computer Science &Engg	9
8.	Mr M Venkateswarlu	M.Tech	Asso.Prof	Computer Science &Engg	8
9.	Mrs A Swarna	M.Tech	Asst.P	Computer Science &Engg	10
10.	Mrs P Swetha	M.Tech	Asso.P	Computer Science &Engg	9
11.	Mr R Yogesh	M.Tech	Asso.P	Computer Science &Engg	6
12.	Ms G Surekha	M.Tech	Asst.P	Computer Science &Engg	8
13.	Mr M Praveen	M.Tech	Asst.P	Software Engineering	6
14.	Ms J Bramaramba	M.Tech	Asst.P	Computer Science	4

				&Engg	
15.	Mr J Sarath Chandra	M.Tech	Asst.P	CSE AI & R	4
16.	Mr Nagarajesh Dhade	M.Tech	Asst.P	CN & IS	7
17.	Mr Y Praveen Kumar	M.Tech	Asst.P	IT	7
18.	Mr K Naveen Kumar	M.Tech	Asst.P	Computer Science &Engg	6
19.	Mrs M Ragapratyusha	M.Tech	Asst.P	Software Engineering	2
20.	Mr M Tarakeshwara Rao	M.Tech	Asst.P	Computer Science &Engg	6
21.	Mrs Ch Deepika	M.Tech	Asst.P	Computer Science &Engg	4
22.	Mr P Rajashekar	M.Tech	Asst.P	Software Engineering	8
23.	Mr CH Prashanth	M.Tech	Asst.P	Computer Science &Engg	6
24.	Ms K Saritha	M.Tech	Asst.P	Computer Science &Engg	6
25.	Ms Ch Sudeepthi	M.Tech	Asst.P	Computer Science	2
26.	Mr C Rama Krishna	M.Tech	Asst.P	Computer Science &Engg	2
27.	Ms P Babitha	M.Tech	Asst.P	Computer Science &Engg	2
28.	Mr B Kranthi	M.Tech	Asst.P	Computer Science &Engg	2
29.	Ms K Manasa	M.Tech	Asst.P	Computer Science &Engg	2
30.	Mr Y Rajesh	M.Tech	Asst.P	Software Engineering	2
31.	Mohd. Zeeshan	M.Tech	Asst.P	Computer Science &Engg	2
32.	Mr M Prapul Kumar Goud	M.Tech	Asst.P	Computer Science &Engg	2
33.	Mr K S R K Sarma	M.Tech, (Ph.D)	Asst.P	Computer Science &Engg	12
34.	Mr Tapal Inthiyaz	M.Tech	Asst.P	Computer Science &Engg	2
35.	Mr M Himagireshwar Rao	M.Tech	Asst.P	Computer Science &Engg	2
36.	Ms M Swapna	M.Tech	Asst.P	CSE	2
37.	Mr G Venkatesh	M.Tech	Asst.P	CSE	2

38.	Mr K Venkateshwarlu	M.Tech	Asst.P	Computer Science & Engg	2
39.	Mr B Vikas	M.Tech	Asst.P	Computer Science & Engg	2
40.	Mrs T Aruna	M.Tech	Asst.P	Computer Science & Engg	8
41.	Ms Sameerunnisa Shaik	M.Tech	Asst.P	CSIT	8
42.	Mrs K Hemalatha	M.Tech	Asst.P	Software Engineering	8
43.	Mr B Thikkanna	M.Tech	Asst.P	Computer Science	9
44.	Mr V Sai Priya	M.Tech	Asst.P	Computer Science	5
45.	Ms N Anusha	M.Tech	Asst.P	Computer Science & Engg	2
46.	Mr M Siva Rama Krishna	M.Tech	Asst.P	Computer Science & Engg	2
47.	Ms K Deepthi	M.Tech	Asst.P	Computer Science & Engg	2

11. List of senior visiting faculty: Nil

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

13. Student -Teacher Ratio (programme wise)

UG : B.Tech. - 1 : 15

PG: M.Tech. - 1 : 12

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

	Sanctioned	Filled
Academic support staff (Technical)	11	11
Administrative staff	04	04

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

No of Faculty with D.Sc/D.Litt	No of Faculty with Ph.D	No of faculty with M.Phil	No of faculty with PG (M.Tech / MA/ M.Com / M.Sc/ MBA / MCA)	No of faculty with <u>UG</u> (B.Tech)
	01	-	46	00

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

a) National :NIL

b) International: NIL

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

18. Research Centre /facility recognized by the University: APPLIED

19. Publications: (last four years)

a) publication per faculty

Computer Science and Engineering				
S. No	Name of the Faculty	Title of the Paper	Name of the Journal	Year of Publication
1.	V.Venkata Krishna	The high quality of data mining in data ware house information processing infrastructure	(MSJIM) Vol: 1, Issue-1, ISSN-652	Mar-2015
2.	V.Venkata Krishna	Super Resolution Image Generation Using Wavelet Domain Inter Polation with Edge Extraction Via A Sparse Representation	(IJSET Issue 8, Vol. 2 ISSN 2348-7968	JULY 2015
3.	V.Venkata Krishna	Single Image Super-Resolution Using Dictionary-Based Local Regression (ajscs)	Issue 4, Vol. 1 ISSN 2319 – 7277 REF NO.	24 JUNE 2015
4.	V.Venkata Krishna	The future configuration version protocols of global and private ip-ipv6 security features) ISSN 2349-Vol: 2, Issue-4, (IJRSM5197	Dec-2014
5.	M. Ravi	An Approach on Efficient Paging Scheme and Mobility Management For Interworked Fixed And Mobile	IJMIE, ISSN:2249-0558 Vol:4, Issue:12	Dec,2014
6.	M. Ravi	Multiple Heterogeneous Intruder Detection System Using Wireless	IJESM, ISSN:2320-0294 Vol:3, Issue:4,	Dec,2014
7.	M. Ravi	Distributed Load Rebalancing by using Cloud Computing	IJDCST , ISSN-2320-7884 V-2, I-7, SW-09	Oct, 2014
8.	M. Ravi	Detection of Data Leakage Using Fake Data	IJESC ISSN-2321-3361 Pages:864-867	Oct,2014
9.	M. Ravi	Content Sharing over Smartphone-Based Delay-Tolerant	IJERA, ISSN : 2248-9622, Vol.	Oct, 2014
10.	M. Ravi	Classification with Wekatool for Predicting Student Failure	IJESC ISSN-2321 -3361 Pages: 874-877	Oct, 2014
11.	M. Ravi	Advancement in Analyzing Preferences of Web	IJITR, ISSN 2320 –5547 Vol No.2, Issue	Sep,2014
12.	M. Ravi	Adaptive Quality Based Performance Prediction and Boosting for Iris Authentication	IJSETI ISSN 2348-2370 Volume.03,Issue.	Sep, 2014
13.	M. Ravi	Location Based Delivery by using Andriod	IJSETR, ISSN 2319-8885 Vol.03,Issue.28	Sep,2014
14.	M. Ravi	Security based on Encryption by using Cloud Computing	IJDCST , ISSN-2320-7884 Volume-2, Issue-	Sep,2014

15.	M. Ravi	An Efficient and Secured Entrust Access Rights In Public Cloud Using ABAC	IJPRES, ISSN 2394-7713 Volume	Sep, 2014
16.	M. Ravi	An Effective Classification System to Detect Packed and Encrypted Malware	IJCSE ISSN:2321-5585 Vol-4, Issue-4	Jul,2014
17.	M.Vijaya Santhi	A Survey on Packet Hiding Methods for Classification of Selective Jamming Attacks	MRCET ISBN:978 93 83038 27 5	Dec,2014
18.	M.Vijaya Santhi	80 SPOC: A Secure and Privacy-Preserving	IJSETI, ISSN 2348-2370 Volume.03,Issue.	Sep,2014
19.	M.Vijaya Santhi	Advancement in Analyzing Preferences of Web	IJITR, ISSN 2320 –5547 Vol No.2, Issue	Sep,2014
20.	M.Vijaya Santhi	Consideration of issues regarding trust in sharing of	IJRRECS ISSN:2321-5461 VOL:2, ISSUE:8	Aug,2014
21.	Swarna	A Survey on Packet Hiding Methods for Classification of Selective Jamming Attacks	MRCET ISBN:978 93 83038 27 5	Dec,2014
22.	Swarna	Classification with Wekatoool for Predicting Student Failure	IJESC ISSN-2321 -3361 Pages: 874-877	Oct, 2014
23.	Swarna	An Effective Classification System to Detect Packed and Encrypted Malware	IJCSE ISSN:2321-5585 Vol-4,	Jul,2014
24.	G. Surekha	Content Sharing over Smartphone-Based Delay-Tolerant	IJERA, ISSN : 2248-9622,	Oct, 2014
25.	B. Sailaja	A Survey on Packet Hiding Methods for Classification of Selective Jamming Attacks	MRC ET ISBN:978 93	Dec,2014
26.	B. Sailaja	Detection of Data Leakage Using Fake Data	IJESC ISSN-2321-3361 Pages:864-867	Oct,2014
27.	B. Sailaja	Location Based Delivery by using Android	IJ SETR	Sep,2014
28.	B. Sailaja	An Efficient and Secured Entrust Access Rights In Public Cloud Using ABAC	IJPRES Volum e	Sep,2014
29.	B. Sailaja	Consideration of issues regarding trust in sharing of information	IJRRECS ISSN:2321-5461 VOL:2,	Aug,2014
30.	Sarat Chandra	Dynamic Resource Allocation Using Green Computing Environment	IJDCST ISSN-2320-7884 V-2, I-	Sep,2014
31.	Y.Praveen Kumar,	A Survey on Packet Hiding Methods for Classification of Selective Jamming Attacks	MRC ET ISBN:978	Dec,2014

32.	Y.Praveen Kumar,	Consideration of issues regarding trust in sharing of information	IJRRECS, ISSN:2321-5461 VOL:2,	Aug,2014
33.	K.Naveen Kumar	An Approach on Efficient Paging Scheme and Mobility Management For Interworked Fixed And Mobile	IJMIE, ISSN:2249-0558 Vol:4	Dec,2014
34.	V. Venkata Krishna	The future version of IP – IPV6. International journal of Engineering and Computer Science.	Vol. 03. Issue 09 ISSN 2319-7242	Sept. 2014.
35.	V. Venkata Krishna	A New Approach of Providing Data Security in the Cloud.	ISSN : 2278 – 3814)/ #26/ volume 3, issue 2	Feb 2014
36.	V. Venkata Krishna	Classification Of Metals Using Texture Features	International Journal. IJCST, Oct-	Dec 2013
37.	M. Ravi	An Efficient and Reliable Data Delivery in Ad hoc Networks	IJITEE, ISSN:2278-3075 Volume	Oct,2013
38.	M. Ravi	Encrypted Feature Extraction for Privacy SIFT	IJESE, ISSN:2319 -6378	Oct,2013
39.	M. Ravi	Optimizations with SQL Extensions Using Aggregated	IJCSIE T, ISSN:2277-4408 Volume	Oct,2013
40.	M. Ravi	Multi-Authority Attribute Based Encryption for Personal Health Records in Secure Cloud Environment	IJCSIET, ISSN:2277-4408	Sept,2013
41.	M. Ravi	Cooperative Bridge Topology Control with Adaptation for Improved in Wireless Ad Hoc Networks	IJCSIET, ISSN:2277-4408 Volume -	Sept,2013
42.	M. Ravi	Packet Classification Prevention for Jamming Attacks in Wireless Network	IJCSIET, ISSN:2277-4408 Volume	Aug,2013
43.	M. Ravi	A Review of searching images based on the websites	IJRRECS, ISSN:2321-5461 Volume	Aug,2013
44.	M. Ravi	Resource Routing Attacks Against Tor in Anonymous Communication Networks	IJCSIET, ISSN:2277-4408 Volume -	Aug,2013
45.	M. Ravi	Comparative Survey Data Availability and Integrity Verification in Multi-Cloud Server	IJCSIET, ISSN:2277-4408	Aug,2013
46.	M. Ravi	Dynamic Load Balancing without Packet Loss using Hashing Technique	IJCSIET, ISSN:2277-4408 Volume -	Aug,2013
47.	M. Ravi	Authorized Security Preserving Multiple Keyword Ranked Search for Encrypted Cloud Data	IJCSIET, ISSN:2277-4408 Volume -	Aug,2013
48.	M. Ravi	Distributed Data Fast retrieval scheduling in Tree based Wireless Sensor Networks	IJCSIET, ISSN:2277-4408 Volume -	Aug,2013

49.	M. Ravi	Ensuring Data Storage and Protection in Cloud.	IJCSIET, ISSN:2277-4408 Volume -	Jul,2013
50.	M. Ravi	A Multipath Routing for Life time Maximization Based on Heterogeneous Wireless Sensor	IJCSIET, ISSN:2277-4408 Volume -	Jul,2013
51.	M. Ravi	Attribute Information for Incremental Classification of Large Data Sets	IJCSIET, ISSN:2277-4408 Volume -	Jul,2013
52.	M. Ravi	A Framework for Efficient Mining frequent patterns in Mobile Commerce	IJCSIET, ISSN:2277-4408 Volume -	July,2013
53.	M. Ravi	An Multi resolution using wavelets and fractals Transforms	IJERD, ISSN:2278-800X Volume	Jun,2013
54.	M. Ravi	Survey On Defense Against Insider Misuse Attacks In the Cloud	IJCSIE, ISSN:2277-	Mar,2013
55.	K. Sanath Kumar	An Efficient and Reliable Data Delivery in Ad hoc	IJITEE, ISSN:2278-3075 Volume	Oct,2013
56.	K. Sanath Kumar	Resource Routing Attacks Against Tor in Anonymous Communication Networks	IJCSIET, ISSN:2277-	Aug,201
57.	K. Sanath Kumar	Dynamic Load Balancing without Packet Loss using Hashing Technique	IJCSIET, ISSN:2277-4408 Volume -	Aug,2013
58.	K. Sanath Kumar	Authorized Security Preserving Multiple Keyword Ranked Search for Encrypted Cloud Data	IJCSIET, ISSN:2277-4408 Volume -	Aug,2013
59.	K. Sanath Kumar	Ensuring Data Storage and Protection in Cloud Server	IJCSIET, ISSN:2277-4408 Volume	July,2013
60.	M. Vijaya Shanthi	Packet Classification Prevention for Jamming Attacks in Wireless Network	IJCSIET, ISSN:2277-4408 Volume	Aug,2013
61.	M. Vijaya Shanthi	A Review of searching images based on the websites	IJRRECS, ISSN:2321-5461 Volume	Aug,2013
62.	M. Vijaya Shanthi	Comparative Survey Data Availability and Integrity Verification in Multi-Cloud Server	IJCSIET, ISSN:2277-4408	Aug,2013
63.	M. Naveen Kumar	Optimizations with SQL Extensions Using Aggregated Queries for Clustering	IJCSIET, ISSN:2277-4408 Volume -	Oct,2013
64.	M. Naveen Kumar	Cooperative Bridge Topology Control with Adaptation for Improved in Wireless Ad Hoc Networks	IJCSIET, ISSN:2277-4408 Volume -	Sept,2013
65.	M. Naveen Kumar	Distributed Data Fast retrieval scheduling in Tree based Wireless Sensor Networks	IJCSIET, ISSN:2277-4408 Volume	Aug,2013

66.	M. Naveen Kumar	A Multipath Routing for Life time Maximization Based on Heterogeneous Wireless Sensor	IJCSIET, ISSN:2277-4408	July,2013
67.	R. Arun Kumar	Remote client Authentication	IJMIE, ISSN-2249-0558 Volume-	May,2013
68.	R. Arun Kumar	Shipyard Management through Android Technology	IJESE, ISSN:2319-6378 Volume	Jan,2013
69.	M. Ravi	An Approach on Image compression Technique in Multi resolution using wavelets and fractals Transforms	IJERT, ISSN:2278- 0181 Vol	Sept,2012
70.	M. Naveen Kumar	An Approach on Network Fault Correction in Overlay Networks	IJMIE, Volume 2, Issue 11	Nov,2012
71.	R. Arun Kumar	Secured certificate through zkp protocol In wireless adhoc networks	IJARCSEE, ISSN-2277-9043 Volume-	Dec,2012
72.	V. Venkata Krishna	Image content authentication based o Wavelet Edge Features	International Journal volume49-no-23	July 2012
73.	M. Ravi	Research Method for Transmission of Speech Through RTP Packets On Abis Interface	IJCIS Vol- 3, Issue No-	Jun,2011
74.	V. Venkata Krishna	Morphological Shape Feature for classification of textures based on fuzzy texture element,	International Journal, IJCA, will be published	April, 2011
75.	V. Venkata Krishna	Extraction of Shape components for Classification of Textures Based on Texture Elements,	. IJCSNS, Vol.11 No.2, February 2011, pp 114-120	Feb 2011.
76.	V. Venkata Krishna	A new Morphological Approach for Recognizing Numerals Using Synthesis Method, International	pp 36-45 April 2010-June 2010, summer Edition	April 2010
77.	V. Venkata Krishna	A new Morphological Approach for Noise Removal cum Edge Detection, of Computer Science Issues, IJCSI Republic	International Journal Vol.7, Issue 6, Nov 2010	Nov 2010
78.	V. Venkata Krishna	“Integrated Histogram Bin Matching for Similarity Measures of Color Image Retrieval” International of signal	” International Vol. 2, No.3,	September 2009.
79.	V. Venkata Krishna	“Texture based image indexing and Retrieval”, of Computer Science and Network Security,	International Journal Vol.9. No.5.pp.206-210,.	May 2009
80.	V. Venkata Krishna	“Employing Long Linear Patterns for Texture Classification relying on Wavelets” on Graphics vision and image	International journal Vol 8.issue V. p.no.	January 2009
81.	V. Venkata Krishna	Secure and Robust Digital Watermarking On Grey Level Images. of Advanced Science and technology	International journal Vol. 11..	October, 2009
82.	V. Venkata Krishna	A New Method of Texture Classification using various Wavelet Transforms based on Primitive Patterns of Graphics, Vision	international journal Vol.8, issue 2, pp. 21-	2008.

83.	V. Venkata Krishna	Statistical Texture Primitive Extraction Using Different Wavelet Transforms of Mathematical Sciences and Engineering	international journal	15-08-2008.
84.	V. Venkata Krishna	An innovative Technique of Texture Classification and Comparison Based on Long Linear Patterns Using Wavelets of	International Journal	02-09-2008
85.	V. Venkata Krishna	An Improved Iterative Morphological decomposition Approach for image Skeletonization. ICGST-GVIP Journal,	Volume 8, Issue 1,	June 2008.

20. Areas of consultancy and income generated:

S. No	Name of the Assessment	Name of the I/C	Amount Generated in INR
1.	TCS ONLINE EXAMINATIONS	Prof. Ravi Mathey	2011-12 : 10,24,235.00
			2012-13: 9,35,653.00
			2013-14: 9,42,265.00
			2014-15: 7,11,333.00
2.	Director General and Civil Aviation Examinations	Prof. Ravi Mathey	4,40,000.00
3.	Antiragging Portal	Prof. Ravi Mathey	50,000.00
4.	Online students feedback	Prof. Ravi Mathey	40,000.00

21. Faculty as members in

a) National committees: 01

Dr. V. Venkata Krishna.

1. NAAC PEER TEAM Member.
2. Advisory Board Member NSS JNTUK.

b) International Committees: NIL

c) Editorial Boards : Nil

22. Student projects

- i) Percentage of students who have done in-house projects including inter departmental / programme. 78% students have done in-house projects.
- ii) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies : 22%

23. Awards / Recognitions received by faculty and students

a) Faculty: Best Teacher Award by JNTUK. – Dr. V. Venkata Krishna

Best Researcher Award by JNTUK – Dr. V. Venkata Krishna

b) Students:

- Students Developed online Feedback System, Antiragging Portal, Medical assistance portal.
- Ms. Pratyusha III CSE attended summer internship program at POLYTECH MONS, UNIVERSITY OF de MONS 4th JULY 2015 to 12th July 2015 and received 450euro's
- Students of III Yr received 45000/- in idea contest in JNTU EXCITE at JNTUH in 2015.

S.No	Roll No	Name of the Student	Program	Award/Recognition	Year
1.	12911A0526 12911A0501 12911A0554	Prashanth Akifa Reshma	JNTUH EXCITE - 2K15	Seed Amount 45000/- Received from JNTU EXCITE Program	2015
2.	11911A0558	R.Deepak	Code programming Context	First prize	2013
3.	11911A0541	Omkar	C- Programming JNTUH	First Prize	2013
4.	11911A05B3	Manish Chandra	MGIT-Tech- Fest Paper presentation	Consolation prize	2014
5.	11911A0504	Arun Singh	PHEONIX-14 Paper presentation	First Prize	2013
6.	12911A05E9	Dheeraj	PHEONIX-13 Poster Presentation	First Prize	2013
7.	12911A0519	Varun	PHEONIX-14 #include Torvalds	First Prize	2014
8.	12911A0520	Ravi Teja	PHEONIX-14 #include Torvalds	First Prize	2014
9.	11911A0521	Gayatri	BITS-Hyd Paper Presentation	Consolation prize	2013
10.	11911A0543	Pranitha	BITS-Hyd Paper Presentation	Consolation prize	2014
11.	11911A0545	Raghavendra	BITS-Hyd Paper Presentation	Consolation prize	2014
12.	11911A0520	Sai harish	PHEONIX-14 LAN-Gaming	Second Prize	2013
13.	11911A0528	Aneesh	CVSR-Tech- Fest CODE-Cracker	Third Prize	2014
14.	12911A0582	Harshitha	MGIT-Tech- Fest Key-Buzz	Consolation prize	2012
15.	10911A0510	George Joshi	CBIT-Tech- Fest Paper Presentation	First Prize	2012
16.	10911A0504	Akshara Varsha	MGIT-Tech- Fest See into C	Consolation prize	2012
17.	10911A0502	Chowdeswary	Code-Cracker MGIT-Tech- Fest	Third Prize	2013
18.	109110537 109110539	Navaneeth Sharma Franklin	Rhythm - VJIT	Best Project Award	2011
19.	10911A0510	George Joshi	Rhythm - VJIT	college Topper	2013

20.	12911A0520	Ravi Teja	Rhythm - VJIT	college Topper	2012
21.	11911A05A2	Navya Sneha	Rhythm - VJIT	Batch Topper	2013
22.	10911A0510	George Joshi	Rhythm - VJIT	Best Student award	2013
23.	10911A0508	Omkar Chowdary	Microsoft App Developer	Consolation prize	2013

24. List of eminent academicians and scientists / visitors to the department

S. No	Year	Name of the Academician/ Scientist	Designation	Organization	Purpose of visit
1.	2014	Dr. Dakshina Murthy	Consultant, Scientist & Entrepreneur	INFOSEC	SEMINAR
2.	2014	Mr. Punkaj Diwan	CEO-UPTEC	IDEA Labs	Guest Lecture
3.	2014	Ms. Sheetal Soni,	Country Channel Manager	Career Education, IBM India	SEMINAR
4.	2014	Mr. Raja Das Guptha	Country Manager	Oracle India	SEMINAR
5.	2014	G. Vishwanathr	South Regional Manage	EC-Council, India	workshop
6.	2014	Mr. Sudheer Reddy	Team Lead	Wipro Technologies	SEMINAR
7.	2012-13	Dr. Rajkumar Buyya	Prof. in computer Science and Engineering Dept	Melbourne University	Workshop
8.	2012-13	K. Raghavendra	Scientist	Adrin	Workshop
9.	2012-13	G. Srinath Reddy	Technical Head	COIGN Edu pvt ltd	Workshop
10.	2012-13	S. Naveen	Sr. Software Engineer	COIGN Edu pvt ltd	Workshop
11.	2012-13	Mr. Safeer ur Rahman	Technical Director	EC-Council, Hyd	Seminar
12.	2012-13	C. Ramesh	Sr. Software Developer	visual studio platform	Seminar
13.	2012-13	Mr. Naveen Kumar	Software Developer	Windows Phone Apps.	Seminar
14.	2011-12	Padmasri Dr. Deekshatulu	Chairman	NIT Warangal	FDP
15.	2011-12	Dr. R. Sridevi	professor	JNTUH	FDP
16.	2011-12	Dr. Bruhadheshwar	professor	IIIT, HYD.	FDP
17.	2011-12	Dr. Ravi	professor	IDRBT Hyd.	FDP
18.	2011-12	M.S.R. Murthy	TCS Delivery Head	TCS Hyderabad	Guest Lecture
19.	2011-12	Prof. Pratap Reddy	professor	PVC College, New Jersey, USA	Guest Lecture
20.	2011-12	Mr. Krishna Chaitanya	Sr. Consultant	power systems and services, IBM	SEMINAR

25. a) National Workshops / Conferences Conducted: NIL
b) International Workshops/ Conferences Conducted: NIL

26. Student profile programme/course wise:

Year	Name of the Course/program	Applications Received	Selected(Number admitted including Later entry)	Enrolled		Pass (%)
				Male	Female	
2011-15	U.G	*	120	39	81	77.24
2010-14			63	44	19	90.76
2009-13			62	46	16	91.08
2008-12			64	42	22	92.35
2013-15	P.G	*	29	16	13	92
2012-14			41	25	16	92
2011-13			18	13	5	90

* Admissions are through EAMCET/PGECET counselling of State Govt.

27. Diversity of Students

Year of admission	Name of the course	% of students from the same state	% of students from other states	% of students from abroad
2011-14	U.G	100	0	0
2010-13		100	0	0
2009-12		100	0	0
2008-11		100	0	0
2013-15	P.G	100	0	0
2012-14		100	0	0
2011-13		100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

Name of the Competitive examination	No. of students qualified			
	2011-12	2012-13	2013-14	2014 -15
GATE	4	1	6	8
Civil Service	0	0	0	0
Defence Service	0	0	0	0
SLET	0	0	0	0
NET	0	0	0	0
GRE	12	22	58	67
Public Service	0	0	0	0

29. Student progression

Student progression		Against %enrolled		
		A.Y	%	Count
UG to PG		2014-15:	44.45%	80
		2013-14:	40.7%	40
		2012-13:	24.47%	30
		2011-12:	23%	15
PG to M.Phil		NA		
PG to Ph.D		----		
Ph.D. to Post-Doctoral		NA		
Employed	Campus selection	2014-15	50	
		2013-14	18	
		2012-13	10	
		2011-12:	10	
	Other than campus recruitment	2014-15	30	
		2013-14	15	
		2012-13	12	
		2011-12:	10	
Entrepreneurship / Self-employment		2%		

30. Details of Infrastructural facilities

a) Library : Plinth Area: 52 sq.mts.

No. Of Titles	No. Of Volumes	No. of Computers	No. of E-Journals	No. of Print Journals
53	1016	03	156	16

b) Internet facilities for Staff & Students

- 24 Mbps broad band line
- Class rooms with ICT facility: 02

c) Laboratories : 12

Sl. No.	Name of the laboratory	Area (Sq.Mts)	Total Investment(Rs.)
1.	Operating Systems and Networks Lab	134.0	9,70,180
2.	Case tools & Web Technologies Lab	134.0	9,83,630
3.	Data Structures Lab	134.0	9,58,999
4.	Open Source Technologies Lab	134.0	8,95,550
5.	Java Programming lab	70.0	6,71,600
6.	Data Bases Lab	86.4	17,70,750
7.	Mobile Computing/R&D and Incubation Centre Common	70.0	9,45,130
8.	Computer Centre Facility - I	140.0	14,20,950
9.	Institution Internet Center	261.0	9,70,180
10.	Data mining lab	70.0	7,65,580
11.	Software Testing Lab	68.5	7,85,660
12.	Linux programming lab	70.0	8,95,020
13.	M. Tech Lab (Data Structures Algorithms)	86.4	8,71,988
14.	M. Tech Lab (Web Services)	85	8,50,560

31. Number of students receiving financial assistance from college, University, Government or other Agencies

Agency	No. Of students received financial assistance			
	2011-12	2012-13	2013-14	2014-15
College	--	--	--	--
University	--	--	--	--
Government	113	161	165	254
Other	--	--	--	--

32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts

Year	Title of the program	Special lectures/workshops/seminars	Date(s)	No. Benefited
2015	Workshop on	Android	10th and 11th Sept 15	145Students of 4th Year
2014	Seminar on	Introduction to Data Science	10/10/2014	150
	A Talk on	Augmented Reality	13/8/14	200
	IBM Orientations program on	Moving Ahead with Times	16/7/2014	150
	Seminar on	Career opportunities	15/7/2014	400
	Two day national level workshop	Hacking Essentials	20-21/2/2014	127
	one day seminar	on Java Technologies	4/1/2014	150
2013	A two day workshop on	Cloud Computing Development	02-03/08/2013	150
	A two day workshop on	Android Application Development	03-04/04/2013	149
	Seminar on	Ethical Hacking & Information Security.	02/03/2013	150
	Seminar on	Microsoft Application Development.	26/02/2013	350
	A guest lecture on	Open source Technologies, IBX GLUG.	14/02/2013	200
2012	A National Two Day Faculty Development Program	on Data Mining and Network Security.	28-29/12/2012	100
	A guest lecture on	Employability and Career opportunities in New Era.	06/11/2012	400
	A guest lecture on	Prospects of Computing Education.	05/10/2012	400
	Seminar on	Software testing in real time scenario.	27/09/2012	250
	Seminar on	AIX(UNIX-flavored) Operating System	27/07/2012	350

33. Teaching Methods Adopted to improve student learning

- Assigning seminar topics.
- Offering special coaching for GATE exam.
- Special training to motivate students to present papers in seminars.
- Conducting special training for MICROSOFT Certifications like MOS, MTA, MCP through Microsoft Advantage Program.
- Advising to participate in classroom seminars, group discussions, technical quizzes to develop analytical and problem solving abilities in them and thereby, to improve their presentation skills.
- Motivating to access latest online journals, reference materials and help them to understand the emerging trends in their field of study
- Training to use audio visual aids like power point, charts, models etc for effective presentation Providing opportunities to develop their creativity by organizing intercollegiate as well as national level cultural, literary, technical and sports competitions.

34. Participation in Institutional Social Responsibility activities and (ISR) and Extension

a) NSS activities

YEAR	NAME OF THE ACTIVITY	VENUE	DATE	NO OF STUDENTS PARTICIPATED
2010	1 st Special summer camp	HIMAYAT NAGAR Moinabad mandal	19/03/10- 25/03/10	25
2012	2 nd special summer camp	Anthappaguda Sankar palli mandal	06/03/12- 12/03/12	30
2012	Bio diversity train visit	Secunderabad station	14/10/12	25
2012	Organ donation camp	Jubli hills		
2012	NSS activity to the Government Library	Moinabad Mandal	14/11/12	32
2013	3 rd Special winter camp	Chilukuru moinabad mandal	21/01/13 – 30/01/13	60
2014	4 th special camp	Tangadelly village	04/03/2014 – 10/03/2014	60
2014	Swachbharath	Aziz Nagar village	29/11/2014	80

• SWOC analysis of the department and Future plans Strengths

- Availability of qualified and experienced faculty.
- Well equipped laboratories with latest systems and required software.
- Availability of research facilities in thrust areas like Mobile Computing, Network Security, Cloud Computing, Data mining etc.
- Systematic monitoring of teaching-learning process.
- Active participation of alumni for career guidance and improvement.

Weaknesses

- Difficulty in getting the permissions for the industrial visits of major MNC's.
- Students are lacking communication skills.

Opportunities

- Amicable management attitude in the form of special pays and incentives attracting qualified and experienced faculty.
- Soft skills and related training by T&P Cell and association with alumni grabs the opportunities to raise the employability of the students.

Challenges:

- To strengthen R&D.
- To improve communication skills for students by conducting extra softskills training.
- To enhance industry institute interaction.

Future Plans

- To enter into MOUs with multinational companies.
- To take up R&D projects from funding agencies like DST, UGC and AICTE.
- To take up consultancy works.
- To increase e - Classrooms.
- To encourage student centric teaching in classrooms (Active learning strategies, peer tutoring, learning by doing, collaborative learning.)

INFORMATION TECHNOLOGY

1. Name of the department : INFORMATION TECHNOLOGY
 2. Year of Establishment : 2000
 3. Names of Programs / Courses offered : UG: B.Tech (Information Technology)
 4. Names of Interdisciplinary courses and the departments/units involved:

Sl. No	Name of the Course	Department
1	Engineering Physics	Humanities & Sciences
2	English	Humanities & Sciences
3	Engineering Chemistry	Humanities & Sciences
4	Mathematics – I	Humanities & Sciences
5	Mathematics – II	Humanities & Sciences
6	Mathematics – III	Humanities & Sciences
7	Engineering Graphics	Mechanical Engineering
8	Probability & Statistics	Humanities & Sciences
9	Basic Electrical & Electronics	Electrical & Electronics Engineering
10	Electronic Devices & Circuits	Electronics & Communication Engineering
11	Environmental Studies	Humanities & Sciences
12	Data Communication	Electronics & Communication Engineering
13	Managerial Economics & Financial Analysis	MBA
14	VLSI	Electronics & Communication Engineering
15	Management Science	MBA

5. Annual/semester/choice based credit system (program wise):
B.Tech. (Information Technology) - Semester based credit system, Electives in Higher Semesters.

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

Sl. No	Name of the Course	Department
1	Computer Programming	Electronics & Communication Engineering
2	Computer Programming	Electrical & Electronics Engineering
3	Computer Programming	Civil Engineering
4	Computer Organization & Operating Systems	Electronics & Communication Engineering
5	Java Programming	Electronics & Communication Engineering
6	Computer Networks	Electronics & Communication Engineering
7	Network Security	Electronics & Communication Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **NIL**
 Details of
 8. courses/programmes discontinued (if any) with reasons:- **NIL**

9. Number of Teaching posts

Designation	Sanctioned	Filled
Professors		--
Associate Professors		4
Asst. Professors		8

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

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	Mr. B. Eswar Babu	M. Tech.	Associate Professor	SE	10
2	Mr. D. Anil	M. Tech	Associate Professor	SE	10
3	Mrs. T. Devi	M. Tech	Associate Professor	SE	7
4	Mr. Deva Kishan Adla	M. Tech	Associate Professor	SE	7
5	Mrs. K. Kiranmai	M. Tech	Assistant Professor	SE	5
6	Mr. M. Suresh Babu	M. Tech	Assistant Professor	SE	5
7	Mrs. Geeta Gujral	M. Tech	Associate Professor	CSE	7
8	Mr. V. Naveen Gopal Goud	M. Tech	Assistant Professor	CSE	4
9	Mrs. Vandana	M. Tech	Assistant Professor	CSE	6
10	Mr. P.K.V. Subbaraya Sharma	M. Tech	Assistant Professor	CSE	4
11	L.Ramya Rekha	M. Tech	Assistant Professor	CSE	3
12	Mrs. Rachel Solomon	M. Tech	Assistant Professor	CSE	6

11. List of senior visiting faculty : NIL**12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty : NIL****13. Student -Teacher Ratio (program wise): UG : B.Tech - 1:15****14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

	Sanctioned	Filled
Academic Support Staff (Technical)	6	6
Administrative Staff	1	1

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

No. of Faculty with D.Sc/ D.Lit	No. of Faculty with Ph.D	No. of Faculty with M.Phil	No. of Faculty with PG (M.E/ M.Tech/ MCA)	No. of Faculty with UG (B.Tech)
--	--	--	12	--

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

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

18. Research Centre /facility recognized by the University : NIL

19. Publications of last 4 years.

Sl. No	Name of the Faculty	Name of the Conference	Title of The paper	Year
1	B.Eswar Babu	ICICSE 2014	Dual identification testimony system	2014
2	Ch. Kiranmai	ICICSE 2014	Dual identification testimony system	2014
3	T. Devi	ICICSE 2014	Securing the root discovery in Mobile Adhoc networks	2014
4	M. Suresh Babu	ICICSE 2014	Securing the root discovery in Mobile Adhoc networks	2014
5	B.Eswar Babu	ICASCCT 2014	Cloud computing security issues in IaaS	2014
6	Ch. Kiranmai	ICASCCT 2014	Security of data in Adhoc networks using multipath routing	2014
7	T.Devi	ICASCCT 2014	Privacy preserving methods for storage in cloud computing	2014
8	B. Eswar babu	ICICSE 2013	Security of wireless sensor networks	2013
9	Vijay Krishna	ICICSE 2013	Security of wireless sensor networks	2013
10	M.Swapna	GJCST 2012	Creating Safe Region for Continuous Moving Objects	2012
11	M.Suresh Babu	GJCST 2012	Creating Safe Region for Continuous Moving Objects	2012
12	M.Arya Bhanu	ICWET-2010	Adaptive Neuro Fuzzy for Image Segmentation and EDGE Detection	2010
13	M.Arya Bhanu	ICTACE(TRAC E) 2010	Neuro Fuzzy for Image Segmentation and EDGE Detection	2010
14	M.Arya Bhanu	JCS 2009	Binary Merge Coding for Lossless Image Data Compression	2009

20. Areas of consultancy and income generated : NIL

21. Faculty as members in : NIL

a) National committees b) International Committees c) Editorial Boards

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/program : **35%**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: **65%**

23. Awards/ Recognitions received by faculty and students

- Mr. Konka Karthik, III Year, Department of Information Technology reported a security related vulnerability to Facebook and achieved \$500 USD.
- Saanya Gandhi, III B.Tech, IT Student have been selected as Google Student Ambassador.
- G. Venkat Naveen Reddy, 2013 Passed out Student started his own company Opcode Solutions.
- Final Year students have developed real time projects like College Fee Management System, VJIT EZEE Mail System, Virtual Job Fair & Online Exams under the able guidance of Head of the Department & faculty.

24. List of eminent academicians and scientists/visitors to the department

S. No	Year	Name of the Academician/Scientist	Designation	Organization	Purpose of Visit
1	2014-15	Dr. Dakshinamurthy V Kolluru	Scientist	INSOFE	GUEST LECTURE
		Mr. Raja Das guptha	Country Manager	Oracle Corporation	
2	2013-14	Mr. Jaya Kumar	Technical Head	Neo App Technologies	
		Raghuram Sunkara	Director	DSTWS	
		Vijay Mohan Gantasala	Director	DSTWS	
		Dr. Priti Chandra	Senior Scientist-ASL	DRDO	
		Mr. K. Sandeep	Senior Software Engineer	Cognizant Technology Solutions	
		Mr. Vemuluri Rakesh	Technical Head	SHAFT Academy of Media Arts	
3	2012-13	Mrs. Pratima Gupta		IIT Bombay	
		Mr. Kalyan		National Institute of Design	
		Mr. Naveen Kumar	Team Lead	Microsoft	
		Prof. Pratap Reddy	Professor	PVC College, New Jersey, USA	
		MD. Riyaz	Team lead	HCL	
		M.S.R. Murthy	Delivery Head	TCS	
		Mr. Krishna Chaitanya	Sr. Consultant	IBM	

25. Seminars/ Conferences/Workshops organized & the source of funding**a) National**

S.NO.	Year	Name of the Seminar/Conference/workshop	Dates	Source of Funding
1	2012-13	Two Day National Level Workshop on "Instill Design"	22-23 March 2013	VJIT
2	2013-14	Workshop on "Adobe Photoshop"	4 th Feb 2014	ISTE
3	2014-15	Two Day National Level Workshop on "Google Application for Education"	23 rd , 24 th December 2014	CSI

b) International: NIL

26. Student profile program/course wise: B.Tech.

Year	Name of the Course	Applications Received	Selected (No. of Admitted including Lateral Entry)	Enrolled		Pass Percentage
				Male	Female	
2007-11	B.Tech (IT)	59	59	41	18	87
2008-12		60	60	41	19	91
2009-13		43	43	27	16	89
2010-14		54	54	31	23	92
2011-15		60	60	38	22	93

- Admissions are through EAMCET counseling of AP State Govt.

27. Diversity of Students: B.Tech.

Year of Admission	Name of the Course	% students from the same State	% of students from other States	% of students from abroad
2011-12	B.Tech (IT)	95	5	0
2012-13		95.24	4.76	0
2013-14		94.45	5.55	0
2014-15		94.24	5.76	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				
	2010-11	2011-12	2012-13	2013-14	2014-15
GATE	2	4	3	3	2
GRE	15	16	19	22	21
Civil services		2	1	2	1
Public Sectors			2	1	
IELTS		1		2	

29. Student progression

Student progression	No. of Enrolled
UG to PG	50
PG to M.Phil	NA
PG to Ph.D	5
Employed	40
Entrepreneurship / Self-employment	4

30. Details of Infrastructural facilities

- a) Library: Plinth Area – 54 Sq.Mts

No. of Titles	No. of Volumes	No. Of Computers	No. of E-Journals	No. of Print Journals
109	177	7	554	2

- b) **Internet facilities for Staff & Students:**
 15 Mbps broad band leased line from Apollo
 10 Mbps broad band leased line from BSNL
- c) **Class rooms with ICT facility: 02**
- d) **Laboratories: 10**

Sl. No	Name of the Laboratory	Area (Sq.Mts)	Total Investment (Rs.)
1	Database Management Systems Lab	66	12,72,000.00
2	Data Mining Lab	66	
3	Linux programming Lab	66	
4	Object Oriented Analysis and Design Lab	66	
5	Object Oriented programming Lab	79.3	22,66,000.00
6	Operating systems & Computer Networks Lab	74.7	
7	Web Technology Lab	74.7	
8	Data structures Lab	68.15	
9	C Programming Lab	69.25	11,29,520.00
10	English Language Communication Systems Lab	69.25	16,49,000.00

31. Number of students receiving financial assistance from college, university, government or other agencies:

Agency	No. of students received financial assistance				
	2010-11	2011-12	2012-13	2013-14	2014-15
College		--	--	--	--
University		--	--	--	--
Government	95	99	96	58	40
Other agencies		--	--	--	--

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Year	Title of the Program	Special Lecture/ Workshop / Seminar	Date	No. of Benefited
2011-12	Seminar on Software testing in real time scenario	Special Lecture	27 th September 2012	147
2012-13	Two day National level workshop on Instill Design	Workshop	22 nd & 23 rd March 2013	150
	Microsoft Application Development	Special Lecture	26 th February 2013	120
	Lecture on Employability and Career opportunities in New Era	Special Lecture	6 th November 2012	140
	Seminar on AIX(UNIX-flavored) Operating System	Seminar	24 th July 2012	130
2013-14	Oracle University Talk	Seminar	15 th July 2014	250
	A Seminar MVC Architecture & Importance of Framework	Seminar	21 st March 2014	89
	A Seminar on IOS Native Application Development	Seminar	7 th March 2014	110

	A National Level one day Hands-on ISTE workshop on Adobe Photoshop & Premiere	Workshop	4 th February 2014	170
2014-15	Google Application for Education	Workshop	23 rd & 24 th December, 2014	120
	Role of S/W Engineering in Project Development	Seminar	13 th Nov, 2014	108
	A One Day Workshop on Auto Suggest	Workshop	8 th November, 2014	110
	Workshop on Data Analytics	Workshop	29 th Oct, 2014	121
	Introduction to Data Science	Seminar	10 th Oct, 2014	143

33. Teaching methods adopted to improve student learning :

- Providing opportunities to develop their creativity by organizing intercollegiate as well as national level cultural, literary, technical and sports competitions.
- Advising to participate in classroom seminars, group discussions, and technical quizzes to develop analytical and problem solving abilities in them and thereby to improve their presentation skills.
- Assigning seminar topics.
- Using NPTEL Video lectures and ICT tools in teaching
- Special training to motivate students to present papers in seminars.
- Conducting special training for IBM Certifications like Java, Cloud Computing through IBM Certified Program.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

a) NSS activities:

Year	Name of the activity	Venue	Date	No. of Students Participated
2012-13	Independence Day-Akrodha	VJIT	15 th Aug, 2012	76
2013-14	Independence Day – Akrodha	VJIT	15 th Aug 2013	95
2014-15	Independence Day – Akrodha	VJIT	15 th Aug, 2014	125
2015-16	Independence Day-Akrodha	VJIT	15 th Aug, 2015	98
	Blood Donation Camp	VJIT	5 th September 2015	150

b) Training imparted to the local public: **NIL**

35. SWOC analysis of the department and Future plans

Strengths:

- Implementing Outcome Based Education for the last two years.
- Established “Mobile Application Development Lab” to provide the new Research activities and training for students as well to the newly recruited faculty.
- Uploading Course content to college website for the benefit of students.
- Eco friendly environment and supportive management.

Weaknesses:

- R& D work to be strengthened.
- Institute & Industry interaction must be improved.

Opportunities:

- By conducting National Technical Fests for Students/Staff in thrust areas of research.
- Maintaining Tie-ups with IIT and Industry research wings, some of the faculty may be trained in New Technological subjects to strengthen the knowledge level.

Constraints:

Rapid changes in technology and time bound Learning & Training skills for the faculty.

Future Plans

Short Term goals

To start PG Program in our department

To undertake research projects and consultancy works.

To strengthen the industry-institute interaction

Long Term Goals

To conduct a National Level conference

CIVIL ENGINEERING

1. Name of the department : Civil Engineering
2. Year of Establishment : 2013-UG, 2014-PG
3. Names of Programs/Courses offered : UG (B.Tech- Civil Engineering)
PG (M.Tech-Structural Engineering)

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

S.No	Names of Course	Department Involved
1	EEE	Electrical & Electronics Engineering
2	Maths	Humanities and Science
3	Environmental Science	Humanities and Science

5. Semester based credit system (programme wise)

- B.Tech. (Civil Engineering) - Semester based credit System - Electives in Higher Semesters
- M.Tech.(Structural Engineering)-Semester based credit System - Electives in I and II Semesters of First year

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

S.No	Course Name	offered to (Dept Name)
1	Engineering Graphics	Information Technology
2	Fluid Mechanics	Electrical & Electronics Engineering

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

8. Details of courses/discontinued programmes discontinued (if any): NIL

9. No.of teaching posts:

Designation	Sanctioned	Filled
Professors	1	1
Associate Professors	1	1
Assistant Professors	14	14

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

S.No	Name	Qualification	Designation	Specialization	Experience (Years)
1	Dr Archanaa Dongre	Ph.D	Prof., HoD	Structural Engg.	10.5
2	Mrs. P Sushma	M.Tech, (Ph.D)	Associate Prof	Structural Engg.	1
3	Ms R S Laxmi	M.Tech	Asst. Prof.	Structural Engg.	3
4	Mr M Ashwin Kumar	M.Tech	Asst. Prof.	Structural Engg.	7
5	Mrs M Durga	M.Tech	Asst. Prof.	Transportation Engg.	3
6	Mr H V Prasad Juvvireddi	M.Tech	Asst. Prof.	Transportation Engg.	4

7	Mr P Venkata Dilip Kumar	M.Tech	Asst. Prof.	Structural Engg.	3
8	Ms H Jyotirmoy	M.Tech	Asst. Prof.	Structural Dynamics	1
9	Mr N Sairam	M.Tech	Asst. Prof.	Structural Engg.	1
10	Mr K Venkatesh	M.Tech	Asst. Prof.	Structural Engg.	1
11	Mr V Nikhil Nicolson	M.Tech	Asst. Prof.	Structural Engg.	1
12	Mr S Srinivas	MS	Asst. Prof.	Structural Engg.	2
13	Ms B Shanthi Olivea	M.Tech	Asst. Prof.	Structural Engg.	2
14	Ms V Swathi	M.Tech	Asst. Prof.	Structural Engg.	2
15	Mr G Satya Prakash	M.Tech	Asst. Prof.	Structural Engg.	2
16	Mr G Vikas	M.Tech	Asst. Prof.	Structural Engg.	1

11. List of senior visiting faculty : NIL

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

13. Student -Teacher Ratio (programme wise):

Programme	Student -Teacher Ratio
UG: (B.Tech)	1 : 15
PG: (M.Tech)	1 : 12

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

	Sanctioned	Filled
Academic support staff (Technical)	2	2

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

No .of faculty with D.Sc /D.Litt	No. of faculty with Ph.D	No. of faculty with M.Phil	No. of faculty with PG(M.E/M.Tech/M.A/M.Com/M.Sc/MBA/MCA)	No. of faculty with UG (B.Tech)
0	1	0	15	0

16. No. of faculty with ongoing projects from a)National b) International funding agencies and grants received:

c) National:

S.No	Name of the faculty	Title of the project (Project Applied -result awaiting)	Funding agency	Grants applied (Rs.)	Duration
1	Dr. Archanaa Dongre	Inelastic seismic response of RC moment resisting brick Infilled frames with and without bands. (2014)	UGC	19,82,500/-	36months
2	Dr. Archanaa Dongre	Numerical modeling of RC brick infill and plane brick masonry building and understanding its behavior during earthquake.(2015)	UGC	5,00,000/-	24 months
3	Dr. Archanaa Dongre and Jyotirmoy Haloi	Dynamic site characterization of certain areas in Hyderabad city. (2015)	UGC	5,00,000/-	24 months

d) International:

S.No	Name of the faculty	Title of the project	Funding agency	Grants received (Rs.)	Duration
NIL					

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

S.No.	Name of the Faculty	Title of the Project (Project Applied-Result Awaiting)	Financial assistance	Funding Agency
1	Co Investigator- Dr. Archanaa Dongre	Investigation of Yoga and Meditation on health and mind of Engineering Students (2015)	18,00,000	DST

18. Research Centre /facility recognized by the University : NIL

19. Publications:

S.No	Name of the Faculty	Details of Research Publications/ IPR	Name of the Journal	Year of Publishing / Registered
1	Dr.Archanaa Dongre	“Displacement-Based Analysis of Unreinforced Brick Masonry Walls Subjected to Lateral Loads”	Sadhana Journal, (Academy proceeding in Engineering science)	Accepted
2	Dr.Archanaa Dongre	“State-of-the-art Literature Review on Numerical Modeling of Nonlinear Behaviour in Brick Masonry Buildings Subjected to Seismic Loads”	(Accepted for International Journal of Earth Science and Engineering)	Accepted
3	Dr.Archanaa Dongre	“Inelastic Response of RC Moment Resisting Frames with URM Infills”	Proc. 15 th World Conference on Earthquake engineering (15WCEE), Lisbon, Portugal 2012, Paper ID: 1085	2012
4	Dr.Archanaa Dongre	“Comparative Study of Inelastic Behaviour of RC Frame with and Without Brick Infill”, Proc. ISET Golden Jubilee	Symposium on Earthquake Engg, Indian Society of Engineering Technology, Earthquake Technology, IIT-Roorkee, 2012, pp. 88-99.	2012
5	Dr.Archanaa Dongre	“Numerical Study of Behavior of RC Framed Building with URM Walls having Horizontal and Vertical Reinforcement under Seismic Loading”	ICE virtual library	Submitted, October 2015
6	Pankaj Narang and Dr.Archanaa Dongre	Earthquake resistant design of a building and effect of transverse reinforcement spacing on ductility and strength	International Journal of Civil Engineering and Applications (IJCEA), ISSN 2249-426X	Published June 2013

7	Dr.Archanaa Dongre	“Transformation in Engineering Education with transforming mind”	International Conference on Transformation in Engineering Education 2015, BMS College of Engineering, Bangalore (JEET)	Jan 2015
8	Dr.Archanaa Dongre	“Parametric study for displacement Based Analysis of Unreinforced Brick Masonry Walls Subjected to Lateral Loads”	International Symposium on New Technologies for Urban Safety of Mega Cities in Asia” (USMCA2013) from at Hilton Hotel Hanoi & NUCE Campus, Vietnam.	Oct 9-11, 2013
9	Sairam Neridu, Venkata Dilip Kumar Pasupueliti, Dr.Archanaa Dongre	“Change in Behavior of Existing Structure Due to Installation of Billboard”,	Structural Engineering World Congress 2015, Singapore, paper #1570136401	Accepted, 19-22 October,2015
10	Dr.Archanaa Dongre	“Effect of opening on overall behavior of brick masonry building”	Abstract sent for 16th World Conference on Earthquake Engineering- Jan 2017 at San Diego	Accepted
11	Sairam Neridu, Venkata Dilip Kumar Pasupueliti, Dr.Archanaa Dongre	“Change in response of structure after billboard installation using time history analysis”, Abstract for 16WCEE	Abstract sent for 16th World Conference on Earthquake Engineering- Jan 2017 at San Diego	Accepted
12	Govardhan Pollepally, Venkata Dilip Kumar Pasupueliti, Dr.Archanaa Dongre	“Seismic analysis of Vidyasagar Setu cable stayed bridge”	Abstract sent for 16th World Conference on Earthquake Engineering- Jan 2017 at San Diego	Accepted
13	Jyotirmoy Haloi, Dr.Archanaa Dongre	“Seismic Site Characterization of certain important Sites in the vicinity of Hyderabad City, India”	Abstract sent for 16th World Conference on Earthquake Engineering- Jan 2017 at San Diego	Accepted
14	Jyotirmoy Haloi	“Seismic site classification of a Bridge site over river Barak on Silchar Bypass Road’.	International Journal of Advanced Earth Science and Engineering. Vol. 4(1), pp. 275-282.	2015
15	Jyotirmoy Haloi	“Empirical Correlations with SPT-N for Estimating Shear Wave Velocity Applicable to any Region’	. Geo-Chicago 2016 ASCE Conference: Sustainability, Energy, and the Geoenvironment conference (communicated).	2016
16	Jyotirmoy Haloi	“Site Specific Ground Response Analysis of a Proposed Bridge Site over River Barak along Silchar Bypass Road, India’	. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering (communicated).	2015
17	Bhargavi Sattar	“fire resistant buildings”	Tech Paper at GRIT	2011
18	Bhargavi Sattar	“flexible pavements”	Tech Paper at CVSR	2011
19	Bhargavi Sattar	Seismic Behaviour of Fixed and Flexible RC Frame: A Case Study”	Published in Advances in Civil Engineering and Infrastructure Development (ACEID 2014) at VASAVI College, Hyderabad.	2014

20	Bhargavi Sattar	Effect of Lintel and Lintel Band on global Performance of RC Masonry Frame”	Published in International Conference on Professional Engineering Challenges in Disaster Management (ICPECDM’14) at GITAM College, Visakhapatnam and same paper published in International Journal of Research in Engineering and Technology (IJRET).	2014
21	Bhargavi Sattar	Effect of Lintel and Lintel Band on The Global Performance of Reinforced Concrete Masonry In-filled Frames	IJRET: International Journal of Research in Engineering and Technology, eISSN: 2319-1163 pISSN: 2321-7308 (Print).	Print
22	Bhargavi Sattar	“Comparison Between The Effect of Lintel and Lintel Band on The Global Performance of Load Bearing Walls and Masonry Infilled RC Frames”	International Journal of Civil Engineering and Technology (IJCET), Volume 6, Issue 2, February (2015), pp. 68-78, ISSN 0976 – 6308 (Print), ISSN 0976 – 6316(Online).	2015
23	Bhargavi Sattar	“Comparison of Seismic Performance of Brick Masonry RC Infilled Frame with Opening and Strengthening Structural Element”	TIFAC-IDRiM Conference 28th –30th October 2015 New Delhi, India (under review)	2015
24	Bhargavi Sattar	“Behaviour of Brick Masonry Infilled reinforced Concrete Frame with and without Opening”	ICI journal (under review)	under review
25	JHU Prasad	“Soil Applications and resource developments”	IAALD Agricultural conference, New York, USA	2013

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

- | | | |
|-----------------------------|---|------------|
| d) National committees | : | NIL |
| e) International committees | : | NIL |
| f) Editorial Boards | : | NIL |

22. Student projects:

- a. Percentage of students who have done in-house projects including inter departmental Programme : **NA**
- b. Percentage of students placed for projects in organizations outside the institution i.e., in Research laboratories/Industry/other agencies : **NA**

23. Awards/Recognitions received by Faculty and students:**c) Faculty:****d) Students:**

- i. Rohit K. (B.Tech III Year) got first prize in paper presentation at MGIT conference
- ii. Sairam (M.Tech I Year) presenting paper in International Conference, "Structural Engineering World Congress", Singapore on Oct. 19 to 22, 2015
- iii. Sairam (M.Tech I Year) will be presenting paper in International Conference, "16WCEE", San Diego Jan. 2017
- iv. Govardhan (M.Tech I Year) presenting paper in International Conference, "16WCEE", San Diego Jan. 2017

24. List of eminent academicians and scientists/visitors to the department:

S.No	Year	Name of the Academician/scientist	Designation	Organization	Purpose of visit
1	2013-14	Dr. Vimala	Associate Professor	CBIT	Guest Lecture
2	2014-15	P.V. Dilipkumar	Ph.D Scholar	IIIT Hyderabad	Guest Lecture
3	2014-15	B. Sridhar	Prof. and HOD	Vasavi Engg College	Vishwabhiyanta Inauguration
4	2015-16	Dr. Ramesh Reddy	Principal	JPN College of Engg.	Chief Guest, Engineers Day

25. Seminars/Conferences/workshops organized and the source of funding:**(a) National**

S.No.	Department	2015-16	2014-15	2013-14
1	Civil		1(UG)- 1(PG)	

(b) International : NIL**26. Student profile programme/course wise:**

Year	Name of the course/programme	Applications received	Selected (Number admitted including Lateral Entry)	Enrolled		Pass percentage
				Male	Female	
2013-17	B.Tech (Civil)	66	66	56	9	
2014-18		130	122	107	15	

Admissions are through EAMCET / PGECET counseling of AP State Govt.

27. Diversity of the students:

Year of Admission	Name of the course	% of the students from the same state	% of the students from the other state	% of the students from abroad
2013-14	B.Tech(Civil)	100	-----	---
2014-15		100	-----	---
2015-16		100	-----	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? First batch is in Third Year

Name of the competitive examination	
GATE	NA
Civil Services	
Defence Services	
SLET	
NET	
GRE	
Public Sectors	

29. Student Progression: First batch is in Third Year

Student Progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of infrastructure facilities:

e) Library

: Plinth Area - 41.75 sq.mts.

No. of titles	No. of volumes	No. of computers	No. of E-Journals	No. of Printed Journals
859	4345	15	4137	286

f) Internet facilities for Staff & Students:

- 4 Mbps broad band leased line from BSNL
- Wi fi facility

g) Classroom with ICT facility : 01

h) Laboratories : 08

S.No	Name of the Laboratory	Area(Sq.mts)	Total Investment (Rs.)
1	Survey I and II	68.15	3,90,705/-
2	Advanced Concrete Lab	100	2,00,000/-
3	Engineering Geology Lab	68.15	1,20,000/-
4	Geotechnical Engineering Lab	68.15	6,00,000/-
5	Strength of Materials Lab (Mechanical Dept.)	68.15	4,76,550
6	Fluid Mechanics & Hydraulic Machine Lab (Mechanical Dept.)	68.15	7,71,624

31. Number of students receiving financial assistance from college, University, Government or Other agencies:

S. No	Agency 1- College 2- University 3- Government 4- Other agencies	Year	No. of Students received financial Assistance
1	Government	2013-14	16
2	Government	2014-15	24
3	(SEWC) Structural Engineering World Congress 2015	2015	1

32. Details of student enrichment programmes (special lectures/workshops/seminars) with External experts:

S.No	Year	Name of the seminar/conference/workshop	Date(s)	Source of funding
1	2015-16	One Day workshop on “Civil Structures and Basics of Earthquake Engineering”	March 2015	College
2	2015-16	One week on “Finite Element Method, Structural Dynamics and Advanced Design of Folded plates and shells”	21 st to 26 th Sept.2015	College
3	2015-16	Short Course of Earthquake Resistant Design of Building at IIT Hyderabad	13 th to 18 th July2015	Partial from College

33. Teaching methods adopted to improve student learning:

- Classes are conducted regularly as per time table.
- Black board teaching in all class rooms.
- Power point presentations/Video lectures/OHPs are arranged to the students by the concerned faculty.
- Tutorial classes are conducted to improve the problem solving skills
- Conducting class tests after completion of prescribed syllabus.
- Providing extra content to fill the gap between academic and industry
- Conducting remedial classes for poor learners to improve their academic performance
- Development of student support material for poor learners and enthusiastic learners.
- Assignment are given to students based on the need of the topic
- Easy access to the notes of each subject from department library
- Two Internal assessment tests are conducted
- Providing extra lab practice to all the students to improve the practical skills along with regular curriculum.
- For practical classes, one model test is conducted
- Encouraging the students to deliver a seminar on topic related to subject in the allotted period.
- Delivering staff seminars on advanced topics
- Arranging workshops/guest lecturers to students by eminent personalities from academic institutions and Industry to enhance the knowledge of student
- Involving the students in technical expo/exhibitions to develop the knowledge on application of mechanical engineering concepts.
- Arranging Industrial Visits

- Access to NPTEL lectures from IIT and other university professors through digital library.
- Organizing seminars, technical quizzes, and model making contests.
- Encouraging Mini Projects as a part project method of teaching.
- Formulation of cooperative learning groups to improve peer group interaction.

34. Participation in Institutional Social Responsibility (ISR) and extension activities:

HITA GROUP- Service with pleasure- A student's group

- 1) BLOOD GROUPING CAMP at VJIT in collaboration with NTR TRUST on 4th September 2015
- 2) TREE PLANTATION at VJIT and Himayatsagar Village.
- 3) RAIN WATER HARVESTING Structures in VJIT
- 4) COMPOST PITS in VJIT

35. SWOC Analysis of the Department and future plans:

Strengths:

- Qualified and experienced faculty.
- Active participation of faculty in research activities.
- Well-equipped and spacious laboratories.
- State-of-Art equipment under Scheme.

Weaknesses:

- Lack of Industrial research and consultancy
- Lack of residential facilities for staff

Opportunities:

- Skill-set required by the leading MNC's and Public sector and intense training in soft skills and personality development by T & P Cell and association with alumni grabs the opportunities to make the students industry ready.
- Amicable management with generous attitude in the form of lucrative special pays and incentives with additional perks and allowances to attract highly qualified and efficient and senior faculty.

Challenges:

- As the colleges in professional courses are increased by larger extent the quality of the intake has decreased.

Future plans:

- To enhance Industry Institute Interaction to attract leading MNC's to conduct campus recruitment.
- To make MoU's with some of the reputed companies in the field of Civil engineering.
- To develop research interest among B.Tech and M.Tech students and inspire them to work on research problems
- Planning to supervise Ph.D students

DEPARTMENT OF MANAGEMENT STUDIES

1. Name of the department : MBA
2. Year of Establishment : 2006
3. Names of Programs / Courses offered : PG : MBA

4. Names of Interdisciplinary courses and the departments/units involved:
Finance/HR/Marketing specializations Mention year wise other department courses

S.No.	Name of the course	Department Involved
1.	STATISTICAL DATA ANALYSIS – LAB	CSE/IT
2.	BUSINESS COMMUNICATION- SEMINAR	H&S(English dept.,)
3	MIS & ERP	CSE/IT

5. Annual/semester/choice based credit system (program wise):
MBA - Semester based credit system Electives in Higher Semesters

6. Participation of the department in the courses offered by other departments (MEFA & MS)

S.No.	Year (B.TECH)	Course name	Offered to dept
1.	II	MEFA	CIVIL, EEE
2	III	MEFA,MS	Mech, EEE, CSE,ECE,IT
3.	IV	MS	ECE,CSE,IT

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	Sanctioned	Filled
Professors	1	2
Associate Professors	2	2
Asst. Professors	5	4

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

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	Dr.P.Srinivas Rao	MBA Ph.D	Professor	HR	15
2	Mr.V.S.Sarma	MBA	Professor &HOD	Finance	29 yrs- industry & Teaching- 9yrs
3	Mr.Satya Kiran	MBA	Associate Professor	HR	6 yrs industry & Teaching – 4 yrs
4	Mrs. P.Suneela Bharathi	MBA	Associate Professor	Finance	8
5	Mrs.A.Krishna Srujana	MBA	Assistant Professor	Finance /HR	3yrs industry & Teaching – 7 yrs
6	Ms.T.Rajani	MBA	Assistant Professor	HR/Fin ance	4
7	Mrs.K.Kavitha	MBA	Assistant Professor	HR/MKT G	6
8	Ms.G.Rajitha	MBA	Assistant Professor	Finance	0.5

16. List of senior visiting faculty : NIL

17. List of senior visiting faculty : NIL

18. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty : NIL

19 Student -Teacher Ratio (program wise): PG : MBA - 1:15

20. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Academic support staff (Technical)	NIL	NIL
Administrative staff	NIL	NIL

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

No. of Faculty with D.Sc/ D.Lit	No. of Faculty with Ph.D	No. of Faculty with M.Phil	No. of Faculty with PG (M.E/ M.Tech/ /MBA/MCA)	No.of Faculty with UG (B.Tech)
--	1	--	7	--

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

**25. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.
and total grants received: NIL**

Research Centre/ facility recognized by the University: NIL

19. Publications of last 4 years :

S.No.	Name of the Faculty	Details of Research Publications	Name of the Journal	Year of Publishing
1	V. Krishnaveni	Performance Appraisal – How to make it effective	IJEMR/V-3/1-6/2003	Vol-3, Issue-6, Dec-2013
2	P. Suneela	Banchassurance and Its future prospects	National Seminar on Organization & Working of Financial Sector in India	Alluri Institute of Management Sciences, Hanmakonda, 23 rd to 25 th Spet.2010 (Sponsored by AICTE New Delhi)

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards : Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/program : NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : 100%
(ECIL, IIFL, HDFC, KARVY, HYUNDAI retail show room etc)

Awards/ Recognitions received by faculty and students

S. n o.	Name of the student	Event name	College name	Remarks	Date
1	G.SRIKANTH	BUSINESS QUIZ	CBIT-Management fest	II RUNNER UP	10/3/2015
2	V.SRIKANTH	BUSINESS QUIZ	CBIT-Management fest	II RUNNER UP	10/3/2015
3	Y.MANIKYA REDDY	BUSINESS QUIZ	CBIT-Management fest	II RUNNER UP	10/3/2015
4	B.ANUSHA	BUSINESS QUIZ	AVANTHI GROUP OF COLLEGES	WON FIRST PRIZE	7/1/2015
23. 5	N.MAHA LAKSHMI	BUSINESS QUIZ	AVANTHI GROUP OF COLLEGES	PARTICIPATION	7/1/2015

6					
7	M.MAMATHA	BUSINESS QUIZ	AVANTHI GROUP OF COLLEGES	PARTICIPATION	K.MANASA
8	SK. SHAKEELA	BUSINESS QUIZ	AVANTHI GROUP OF COLLEGES	PARTICIPATION	7/1/2015
9	B.KRISHNA KOUNDINYA	PARTICIPATION	K G REDDY	WON FIRST PRIZE	27-2-2013
10	A.ANIL KUMAR	Paper presentaion	K G REDDY	PARTICIPATION	27-2-2013
11	P.VENKATESH	Paper presentaion	K G REDDY	PARTICIPATION	27-2-2013
12	A.ANIL KUMAR	PARTICIPATION	SPHOORTHY ENGG COLLEGE	PARTICIPATION	22-12-2012
13	P.VENKATESH	PARTICIPATION	SPHOORTHY ENGG COLLEGE	PARTICIPATION	22-12-2012
14	M.SOWJANYA	PARTICIPATION	SPHOORTHY ENGG COLLEGE	PARTICIPATION	22-12-2012
15	B.KRISHNA KOUNDINYA	PARTICIPATION	SPHOORTHY ENGG COLLEGE	PARTICIPATION	22-12-2012

AVANTHI GROUP OF COLLEGES
BUSINESS QUIZ
PARTICIPATION

24. List of eminent academicians and scientists/ visitors to the department

S. No	Name of the eminent academician	Title of the lecture	Date
1	Dr. Y. V. John, Assoc Prof, K.G.Reddy college of engineering and technology	RESEARCH METHODOLOGY-Project Report Analysis	20-4-2015
2	Dr. Satish Grandhi, Cognizant Technology Services	Financial markets and derivatives	26-7-2014
3	Dr. C. Padmavathi, IBS	IFRS-Accounting	4-2-2014
4	Mr. Murli manohar	Operations management	7-11-2013
5	Dr. A. R. Aryasri, Director, SMS	Financial crisis in Indian Economy	21-9-12
6	Dr. T. Satyanarayana Chary, Head, Dept of Economics, Telangana University	Financial crisis in Indian Economy	21-9-12

28. Seminars/ Conferences/Workshops organized & the source of funding

a) National

S.NO.	Year	Name of the Seminar/Conference/ workshop	Dates	Source of Funding	Amount Spent (Rs.)
1	2013-14	ADVAYA 13-a national level management fest	24 th Aug 2013	VJIT	24000
2	2012-13	FDP/SDP on current financial crisis in Indian economy	21 st Sep 2012	VJIT	18000
3	2012-13	ADVAYA 12-a national level management fest	6 th Jan 2012	VJIT	32000

b) International : NIL

26. Student profile program/course wise: MBA.

Year	Name of the Course/ programme	Applications received	Selected	Enrolled		Pass Percentage(%)
				Male	Female	
2009-10	MBA	*	52	36	16	100
2010-11		*	55	37	18	100
2011-12		*	57	43	14	96.5
2012-13		*	34	22	12	96.9
2013-14		*	20	15	5	**
2014-15		*	34	16	18	**
2015-16		*	37	21	16	**

* Admissions are through EAMCET counseling of State Govt.

* * semester running

27. Diversity of Students : MBA.

Year of Admission	Name of the Course	% students from the same State	% of students from other States	% of students from abroad
	MBA			
2012-13		100	0	0
2013-14		100	0	0
2014-15		94.1	6.9	0
2015-16		97.2	2.8	0

- 31. 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			
	2010-11	2011-12	2012-13	2013-14
GATE	NA	NA	NA	NA
GRE	NA	NA	NA	NA
Civil services	0	0	0	0
Defense services (police Dept)	01	NA	NA	NA
SLET	0	0	0	0
NET	0	0	0	0
Public Sectors	0	0	0	0
IELTS	NA	NA	NA	NA
MAT	NA	NA	NA	NA

Self-study Report

- 29. Student progression**

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	Nil
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	40%
• Campus selection	
• Other than campus recruitment	
Entrepreneurship / Self-employment	02

- 30. Details of Infrastructural facilities**

a) Library : Plinth Area - 52 sq.mts.

No.of Titles	No.of Volumes	No. of Computers	No. of E-Journals	No. of Print Journals
540	2024	18	167	00

b) Internet facilities for Staff & Students:

10 Mbps broad band leased line from Apollo
4 Mbps broad band leased line from BSNL

c) Class rooms with ICT facility : 01

d) Laboratories : 02

Sl. No.	Name of the laboratory	Area (Sq.Mts)	Total Investment (Rs.)
1	Business Communication-Lab	68.15	825000
2	Statistical Data Analysis-MS EXCEL lab	76.5	810000
3			

32. Number of students receiving financial assistance from college, university, government or other agencies:

Agency	No. of students received financial assistance				
	2010-11	2011-12	2012-13	2013-14	
College	--	--	--	--	--
University	--	--	--	--	--
Government	60	64	51	37	30
Other agencies	--	--	--	--	--

33. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Srl No	Name of the eminent academician	Title of the lecture	Date
1	Dr. Y. V. John, Assoc Prof, K.G.Reddy college of engineering and technology	RESEARCH METHODOLOGY-Project Report Analysis	20-4-2015
2	Dr. Satish Grandhi, Cognizant Technology Services	Financial markets and derivatives	26-7-2014
3	Dr. C. Padmavathi, IBS	IFRS-Accounting	4-2-2014
4	Mr. Murli manohar	Operations management	7-11-2013
5	Dr. A. R. Aryasri, Director, SMS	Financial crisis in Indian Economy	21-9-12
6	Dr. T. Satyanarayana Chary, Head, Dept of Economics, Telangana University	Financial crisis in Indian Economy	21-9-12

34. Teaching methods adopted to improve student learning :

- Discussing case studies.
- Conducting classroom seminars, group discussions, and business quiz on regular basis to develop analytical and problem solving abilities in them and thereby to improve their presentation skills.
- Organizing field visits to students in order to have a practical exposure.
- Encouraging students to write articles on latest market developments
- Providing opportunities to develop their skills by organizing intercollegiate as well as national level management, cultural, literary, and sports competitions.
- Inculcating a habit to read news paper daily and supporting the students in gaining knowledge about stock markets, business news, etc.
- Assigning seminar topics.

35. Participation in Institutional Social Responsibility (ISR) and Extension activities :**a) NSS activities:**

Year	Name of the Activity	Venue	Date(s)	No. of Students Participated
2014-15	SWACHCH BHARAT	AZIZNAGAR (vil)	29 th Nov 2014	48

— b) Training imparted to the local public — : **NIL** —

35. SWOC analysis of the department and Future plans

Strengths:

Senior faculty member having extensive exposure to industry in PSU's like MITHANI,BDL,AIR and CAG

A blend of academics and industry in the department

Eco friendly environment and supportive management

Weaknesses:

Rural orientation

Lack of industry institute interaction

Talent hunt of experienced faculty with industry exposure

Staff research paper publications need to be encouraged..

Opportunities:

Consultancy projects from near by companies

Ever growth for management professionals and hence demand for institutions.

Challenges:

Recruiting and retaining faculty with industry exposure

Dynamic global changes in financial scenario vis a vis the existing course structure.

Inviting international experts for interacting with the students

Employability of students with suitable remuneration

Future Plans

To start entrepreneurship development cell in dept

To start Finance Club, HR Club, Marketing Club.

To conduct a National Level conference

To make faculty of the dept 100% UGCNET qualified

DEPARTMENT OF HUMANITIES AND SCIENCES

1. Name of the department : **Humanities and Sciences**
2. Year of Establishment : 1998
3. Names of Programs/Courses offered : UG (B.Tech- ECE, CSE, MECH, IT, CIVIL)
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/semester/choice based credit system (programme wise) : Till 2014 Annual; and from 2015 Choice Based Credit System (CBCS)
6. Participation of the department in the courses offered by other departments:

S.No	Subject	Program	Courses offered by other departments
1	English	UG (B.Tech)	ECE, CSE, MECH, IT, CIVIL
2	Mathematics		ECE, CSE, MECH, IT, CIVIL
3	Environmental science		ECE, CSE, MECH, IT, CIVIL
4	Mathematics	PG	M.Tech (CIVIL), MBA
5	English		MBA

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

Details of courses/discontinued programmes discontinued (if any): NIL

No.of teaching posts:

Designation	Sanctioned	Filled
Professors	11	11
Associate Professors	21	21
Assistant Professors	36	36

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

S.No	Name	Qualification	Designation	Specialization	Experience (Years)
1	Dr P Venugopal Reddy	M.Sc., Ph.D	Prof/Director	Physics	40
2	Dr B Sathyanarayana Reddy	M.Sc., Ph.D	Prof.	Mycology	36
3	Dr R Ramakrishna	M.Sc., Ph.D	Prof.	Statistics	14
4	Dr M Venkata Krishna	M.Sc., Ph.D	Prof.	Mathematics	42
5	Dr Ch Nageshwar Rao	M.Sc., Ph.D	Prof.	Physics	36
6	Dr Dipankar Sengupta	M.Sc., Ph.D	Prof.	Physics	14
7	Dr D Raju	M.Sc., Ph.D	Prof.	Mathematics	16
8	Dr PSVHN Krishna Kumari	M.Sc., Ph.D	Prof.	Applied Maths	18
9	Dr Sareen Raj	M.A., Ph.D	Prof.	English	12
10	Dr K Chalapathi	Ph.D	Prof.	Environmental Science	5

11	Dr Prathibha Mallu	M.A., Ph.D	Prof.	English	22
12	Mr R Venkata Chalam	M.Sc	Asso.P	Physics	17
13	Mr Esakkimuthu Raju	M.Phil	Asso.P	Physics	20
14	Mr J Ramesh Babu	M.Phil	Asso.P	Physical Education	14
15	Ms P Annapurna	M.Sc	Asso.P	Chemistry	30
16	G Srilatha	M.Sc	Asso.P	Statistics	25
17	Ms Macha Sujatha	M.A., M.Phil	Asso.P	English	18
18	Mrs G Indira Priyadarshni	M.Tech	Asso.P	Computer Science & Engineering	14
19	Mrs D.Indira Priyadarshini	M.A., M.Phil	Asso.P	English	27
20	Mrs R Padma Venkat	M.A., M.Phil	Asso.P	English	8
21	Mr P Venkateswara Reddy	M.Sc	Asso.P	Physics	36
22	Mr B Sita Rambabu	M.Sc	Asso.P	Mathematics	14
23	Mr V Murali	M.A	Asso.P	English	19
24	Mr Allam Surender	M.A.,M.Phil	Asso.P	English	13
25	Mrs M N L Anuradha	M.Sc.,M.Tech	Asso.P	Mathematics	14
26	Mr J Govardhan Reddy	M.Sc	Asso.P	Maths With Computer Science	15
27	Dr R Mahesh	M.Sc., Ph.D	Asso.P	Physics	4
28	Dr N Pavan Kumar	M.Sc., Ph.D	Asso.P	Physics	5
29	Mrs MD Sharmila Khatoon	M.Sc	Asso.P	Chemistry	7
30	Mr Anand Pandarinath M	M.Sc	Asso.P	Applied Electronics	12
31	Dr S Srinivas Rao	M.Sc., Ph.D	Asso.P	Organic Chemistry	6
32	Mr V John Alexander	M.LiSc., M.Phil	Asso.P	Library Information And Science	10
33	Mrs B.Saritha	M.Sc	Asso.P	Organic Chemistry	10
34	Mr K Mallikarjuna Rao	M.Tech	Asst.P	Computer Science & Engineering	9
35	Mrs.Y.Suneetha	M.Sc	Asst.P	Environmental Sciences	7
36	Mr A Sadanandam	M.Sc.,B.Ed	Asst.P	Mathematics	8
37	Ms K Ramya Sudha	M.Sc	Asst.P	Chemistry	8
38	Mr A Sreedhar	M.Sc	Asst.P	Mathematics	6
39	Ms S Geetha Devi	M.Phil	Asst.P	Physics	10
40	Mr.A.Ravi Kumar	M.PEd	Asst.P	Physical Education	4
41	Ms K Vijaya Laxmi	M.Sc	Asst.P	Physics	6
42	Ms Fouzia Tabassum	M.Sc	Asst.P	Mathematics	5
43	Ms G Naga Kumari	M.Sc	Asst. P	Physics	6
44	Mr Syed Azeem Ali	M.A	Asst. P	English	9
45	Mrs K Siva Kumari	M.Sc	Asst. P	Mathematics	20
46	Mr R Muralidhar Reddy	M.Sc	Asst. P	Organic Chemistry	7
47	Mrs. C A Pavani	M.Tech	Asst.P	Computer Science & Engineering	7
48	Mr Mohd Zaheer Ahmed	M.Tech	Asst.P	Computer Science & Engineering	5

49	Mr T Nagendra	M.Tech	Asst.P	Computer Science & Engineering	4
50	Mrs Ch Sridevi	M.Sc,M.Tech	Asst.P	Mathematics	8
51	Mr Bala Naga Himabindu	M.Sc	Asst.P	Statistics	11
52	Mr P Naveen Kumar	M.Sc	Asst.P	Mathematics With Computers	8
53	Ms K Monika	M.Sc	Asst.P	Environmental Studies	4
54	Ms N S Srinidhi	M.Sc	Asst.P	Environmental Science	1
55	Mrs V Krishnaveni	MBA	Asst.P	HR Management	2
56	Mrs Nazeerunnisa	M.Sc	Asst.P	Chemistry	9
57	Mr Veeraswamy	M.Sc	Asst.P	Organic Chemistry	6
58	Mr A Kumar	M.Sc	Asst.P	Physics	2
59	Mr Rammurthi	M.Sc	Asst.P	Chemistry	5
60	Mrs K Surekha	M.Sc	Asst.P	Organic Chemistry	5
61	Mr E Sagar	M.Sc	Asst.P	Physics	4
62	Mrs H Smitha	M.Sc	Asst.P	Physical Chemistry	6
63	Mr K Kesavreddy	M.Sc	Asst.P	Mathematics	14
64	Ms M Vijitha	M.Sc	Asst.P	Mathematics	2
65	Mr V Nagaraj	M.Sc	Asst.P	Maths With Computer Science	6
66	Ms A Swapna	M.A	Asst.P	English	1
67	Ms K Geeta	M.Tech	Asst.P	Computer Science & Engineering	2
68	Mrs J.Archana Goud	M.A	Asst.P	Physics	1

- List of senior visiting faculty : Nil
- Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **NIL**
- Student -Teacher Ratio (programme wise):

Programme	Student -Teacher Ratio
UG: (B.Tech)	1 : 15

- **Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

	Sanctioned	Filled
Academic support staff (Technical)	7	7

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

No .of faculty with D.Sc /D.Litt	No. of faculty with Ph.D	No. of faculty with M.Phil	No. of faculty with PG(M.E/M.Tech/M.A/M.Com/M.Sc/MBA/MCA)
0	14	8	46

- No. of faculty with ongoing projects from a) National b) International funding agencies and grants received:

e) National: 4

S.No	Name of the faculty	Title of the project	Financial assistance	Funding Agency
1	Dr.R.Rama Krishna	Forecasting Yeeld per Hectare of Jowar in Telangana State using Neural Networks	Rs.3.05 Lakhs	UGC
2	Dr.D.Raju	Numerical solutions to some generalized Thermoclastic Models	Rs.2.7 Lakhs	UGC
3	Mr.S.Srinivas Rao	Synthesis and Boiological activity Evaluation of no vel N-Substituted Benzimidazolythiopyrimidine Derivates as potential anti-inflallatory Agents	Rs.3.35 Lakhs	UGC
4	Mr.N.Pavan Kumar	Theoretical investigations of diluted magnetic semiconductors	Rs.3.60 Lakhs	UGC

f) International: NIL

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

S.No	Name of the faculty	Title of the project	Financial assistance	Funding Agency
1	Dr.R.Rama Krishna	Forecasting Yeeld per Hectare of Jowar in Telangana State using Neural Networks	Rs.3.05 Lakhs	UGC
2	Dr.D.Raju	Numerical solutions to some generalized Thermoclastic Models	Rs.2.7 Lakhs	UGC
3	Mr.S.Srinivas Rao	Synthesis and Boiological activity Evaluation of no vel N-Substituted Benzimidazolythiopyrimidine Derivates as potential anti-inflallatory Agents	Rs.3.35 Lakhs	UGC
4	Mr.N.Pavan Kumar	Theoretical investigations of diluted magnetic semiconductors	Rs.3.60 Lakhs	UGC

- Research Centre /facility recognized by the University : Research Centre Established but not Approved.

• Publications:

Humanities & Sciences (Mathematics)				
S.No	Name of Faculty Qualificat	Details of Research Publications/IPR	Name of the Journal	Year of Publishi ng/
1	M.N.L.Anuradha	Stock market forecasting using Hybrid machine learning system – Business competitiveness- perspectives, challenges and strategies	Allied publishers Pvt Ltd – ISBN – 978-811-8424-974-3	2015
2	M.N.L.Anuradha	A Study on impact of Big Data analytics to Indian E Commerce Applications -	International Journal of Advanced Engineering Management and science. – Vol 1, Issue – 2, May -2015 ISSN: 2454-1311.	2015
3	B.Sita Rambabu,	A Two Species Amensalism Model with Time Delay	International Journal of Ecological Economics & Statistics (IJEES), ISSN:0973-7537(Online), CESER Publications, Vol: 36, Issue No : 1.	2015
1.	Dr G Krishna Kumari	14. Effect of thickness of the porous material on the peristaltic transport of a Jeffrey fluid when the tube wall is provided with non-erodible porous lining	14. Fondazione Giorgio Ronchi, Vol 5, Pp 543-551	2014
2.	Dr G Krishna Kumari	15. Peristaltic pumping of a Jeffrey fluid in an asymmetric channel with permeable walls	15. Malaya Journal of Matematik, vol 2 pp 141-150	2014
3.	Dr R Ramakrishna,	A Combined Approximation to t-distribution	IJSER ISSN :2229-5518 Volume 5, Issue 4, April-2014, Pp108-111,.	2014
4.	Dr R Ramakrishna,	Forecasting Yield Per Hectare of Rice In Andhra Pradesh.	IJMCAR ISSN: 2249 - 6955, Vol 3, Issue I, March, 2013, Pp. 9 -14.	2013
5.	Dr G Krishna Kumari	11. Peristaltic Transport of a Micro polar fluid in an inclined channel with permeable walls	11. Int. Journal of Innovative Engineering. And Creative Technology, Vol. 3, 86-90	2013

6.	Dr G Krishna Kumari	12. MHD peristaltic motion of a Williamson fluid through a porous medium in a channel	12. International J. of Math. Sci. & Engg. Appls. (IJMSEA), Vol. 7, pp. 123-133,	2013
7.	Dr G Krishna Kumari	13. Peristaltic motion of a Micropolar fluid under the effect of a magnetic field in an inclined channel	13. The International Journal Of Engineering And Science (IJES) , Vol. 2, pp31-40	2013
8.	M.N.L.Anuradha	Design of Social Network Based Mobile Strategy by Profile Matching	International Journal of Reviews on Recent Electronics and Computer Science(ISSN 2321-5461)	2013
9.	M.N.L.Anuradha	Progression Towards Expulsion of Exceptional Data from Social Community.	International Journal of Reviews on Recent Electronics and Computer Science (ISSN 2321-5461).	2013
10.	M.N.L.Anuradha	Consideration of Structural Data Concerning Facial	International Journal of Reviews on Recent Electronics and Computer Scienc (ISSN 2321-5461).	2013
11.	G.Srilatha	Faculty Attrition –Retention Stratagies,	International journal of functional management IJFM : ISSN2319-1406	2013
12.	Dr G Krishna Kumari	9. Flow of a Jeffrey fluid through a tapered tube with permeable walls	9. Advances in Applied Science Research, Vol. 3, 2159-2168,	2012
13.	Dr G Krishna Kumari	10. Pulsatile flow of a couple stress fluid in a channel bounded by permeable beds with suction and injection	10. IJSTM, Vol. 3	2012
14.	Dr R Ramakrishna,	Neural Networks Forecasting Model For Monthly Electricity Load in Andhra Pradesh.	IJERA ISSN: 2248-- 9622, Vol: 2, Issue I, Jan – Feb, 2012, PP: 1108 – 1115.	2012
15.	Dr. M Venkata Krishna,	Intensity Impulse Response Function of Optical Systems with First – Order Parabolic Amplitude Apodization Filters.	International eJournal of Mathematics and Engineering (IeJME), ISSN: 0976-1411, 180 (2012), 1713 -1722.	2012
16.	Dr. M Venkata Krishna,	Generalized Thermo elastic Problem Concerning Semi-Infinite Rods.	International e Journal of Mathematics and Engineering (IeJME), ISSN: 0976-1411,176 (2012), 1666-1679.	2012

17.	Dr. M Venkata Krishna,	Dynamical Problem of Generalized Thermo elasticity with pulse Type Heat Flux.	International Journal of Mathematical Sciences, Technology and Humanities (IJMSTH), ISSN:2249--5460, 47	2012
18.	Dr. D Raju	Generalized Thermoelastic Problem Concerning Semi – Infinte Rods Problem of Step In	International Journal of Mathematical Sciences and Engineering Applications (IJMSEA), ISSN:0973-9427, Vol 6	2012
19.	Dr. D Raju	Generalized Thermoelastic Problem Concerning Semi – Infinte Rods Problem of Step In Strain.	International Journal of Engineering Research and Applications (IJERA), ISSN: 2248-9622 Vol. 2,	2012
20.	Dr. D Raju	Thermo elastic Disturbances in Half – Space without Energy Dissipation for the Displacement.	IOSR Journal of Engineering (IOSRJEN), ISSN: 2250-3021 Vol 2, Issue 7 (July), pp 15 -20.	2012
21.	Dr. D Raju	Thermo elastic Disturbances In a Half – Space Without Energy Dissipation For the Temperature.	International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181 Vol 1 Issue 5,	2012
22.	Dr. D Raju	Thermo elastic Disturbances In a Half – Space Without Energy Dissipation.	Advances In Applied Science Research (AAS), Pelagia Research Library, ISSN: 0976 – 8610, 2012	2012
23.	Dr G Krishna Kumari	6. Peristaltic motion of a fourth – grade fluid through a porous medium under the effect of a magnetic field in an inclined channel	6. Journal of Basic and Applied Scientific Research, Vol. 1,1052-1064	2011
24.	Dr G Krishna Kumari	7. Flow of Herschel – Bulkley fluid in an inclined flexible channel lined with porous material under peristalsis,	7. Int. Journal of Innovative Engineering and Creative Technology, Vol. 1 ,24-31	2011
25.	Dr G Krishna Kumari	8. Peristaltic Pumping of a Conducting Jeffrey Fluid in a Vertical Porous Channel with Heat Transfer,	8. Advances in Applied Science Research, Vol. 2, 439-453	2011
26.	Dr R Ramakrishna,	Forecasting Daily Electricity Load Using Neural Networks	IJMA, ISSN: 2229-5046,(2011), Vol: 3, PP: 1341-1351.	2011

27.	Dr R Ramakrishna,	Modeling Monthly Electricity Load in Andhra Pradesh	IEJME, ISSN:0976- 1411. 142 (2011), Vol.2 ,Issue 4, Pp :1293 – 1300,	2011
28.	Dr. M Venkata Krishna,	Amplitude Impulse Response Function of Optical Systems with First – Order Parabolic Apodization Filters.	J.Pure & Appl.Phys, Vol: 23 No: 2, June, 2011, PP. 59 -67.	2011
29.	Dr. M Venkata Krishna,	Strehl Ratio of an Optical System Apodised with a Super Resolving First – Order Parabolic Filter.	J.Pure & Appl.Phys, Vol: 23 No: 2, June, 2011,PP. 79 -87.	2011
30.	Dr. M Venkata Krishna,	Couett Flow of two Immiscible Fluids Between Two Permeable Beds	ARPN Journal of Engineering and Applied Sciences, ISSN: 1819- 6608, Vol: 5, No: 2, Feb, 2010.	2010
31.	Ch.Sri Devi,	Finite Element Computation of Transient Radiative Free Convective Dissipative Flow with Chemical and Newtonian Heating Effects.	Journal of Applied Mechanics and Technical Physics. (Review)	Accepted
32.	Ch.Sri Devi,	Finite Element Analysis of Unsteady MHD Free Convective Laminar Boundary- Layer Accelerated Dissipative Flow With Uniform Suction and Chemical Reaction.	International Journal of Energy & Technology (Accepted for Publications)	Accepted
33.	Ch.Sri Devi,	Finite Element Analysis of Unsteady MHD Free Convective flow over moving semi- infinite vertical cylinder with chemical reaction and Temperature oscillation Effects.	Journal of Applied fluid Mechanics. (Accepted)	Accepted
34.	Ch.Sri Devi,	Chemical Reaction Effects on transient MHD free Convection and Mass Transfer Flow of Dissipative Fluid with Heat Generation and Thermal Diffusion past an Infinite vertical Plate.	International Journal of Physical Sciences, ISSN : 0970 – 9150.	2008

Department of English				
48	D.Indira Priyadarshini	Developiing Writing Skills in the context of Teaching English as Second Language for Professional Students	OIJRJ ISSN 2249-9598 July 31,	2015

49	Dr. M. Pratibha	'Technical students' perceptions on the prescribed language textbook-Skills Annexe: Functional English for success',	The Frontiers Of English Literature, January 2015, Vol. 3, No.1, ISSN 2320-2505	2015
50	R. Padma	Manjula padmanabhan's lights out: A clarion call	International conference, Vignan University journal	2015
51	R. Padma	Feminisic approach of Manjula padmanabhan with respect to lights out and harvest	National conference, Acharya Nagarjuna University Journal	2015
52	R. Padma	Exploitive relations in Manjula Padmanabhan's harvest	National conference, Vikram simhapuri, University Journal	2014
53	Dr.Laxmi Ramana,	Do the Professionals need teaching or training English?	IJELLH, ii, Issue v Volume, Sep,2014	2014
54	Dr.Laxmi Ramana,	Next Generation Education for Entrepreneurial Engineers[ICNGE3]	SR Engineering College 10 th and 11 th March 2014	2014
55	Dr.Sareen Raj,	Multiculturalism in American Literature	ISBN NO 9789883038145,2014	2014
56	Dr. K. Sareen Raj	A Tale of Life and Death: Philip Roth's <i>Nemesis</i>	Literary Oracle	2014
57	Dr. M. Pratibha	'Computer as a language learning aid for distance language learners and teachers: A study'	IJELLS, January 2014, Vol. 2, No.4, pp. 100-106, ISSN 2278-0742.	2014
58	Dr. M. Pratibha	'Communication perception and computers: Pedagogical implications'	THE FRONTIERS OF ENGLISH LITERATURE, January 2014, Vol. 2, No.1, ISSN 2320-2505.	2014
59	Dr.Sareen Raj,	New Orientations in ELT	Vol-2,ISSN 2321-6549, 2013	2013
60	Dr.Laxmi Ramana,	TEACHING LARGE CLASSES PROBLEMS AND PROSPECTS Sino-US English Teaching	Linguistic Sino-US English Teaching ,10,No.10,743- 750, ISSN 1539-8072,Oct,2013	2013
61	Dr. M. Pratibha	'The impact of New Technological Developments on Distance English Language Teachers and Learners'	Ideas & Ideologies e- <u>journal</u> , September 2013, Vol. 1, No. 3, ISSN 2320-7744.	2013

62	Dr. M. Pratibha	'Criteria for the accessibility, availability and affordability of CALL for English at Dr. BRAOU'	COMOSA, Jan-June 2013, Vol. 4, No.1, pp. 77-91, ISSN 0946-0407.	2013
63	Dr. M. Pratibha	'Factors Contributing to Support / Prevent the Preparedness of Learners and Counsellors to Use CALL for English at Dr. BRAOU'	The Frontiers Of English Literature, Vol. 1, No.2, ISSN 2320-2505.	2013
64	Dr. M. Pratibha	'Possible CALL Material for Distance Language Learners of English at Dr. BRAOU'	COMOSA, Jan-June 2012, Vol. 3, No.1, pp. 17-29, ISSN 0946-0407.	2012
65	Dr. M. Pratibha	'My first experiences in Germany'	SIETAR EUROPA - March, 2011, Vol. 1, No.8, pp. 13-14. www.sietar-europa.org	2011

Department of Physics&Chemistry				
1	M.Esakkimuthu Raju,	Low Cost Fiber Optic Sensing of Sugar Solution	SPIE, 9317-20, Vol . 1(P 1 -5)	2015
2	M.Esakkimuthu Raju,	Theoretical Investigations of Ni and Cu doped rutile TiO ₂	SPIE, 9364-56, Bol 1 (P 1-6)	2015
3	E M.Esakkimuthu Raju,	Outcome Based Learning of Optics in Schools	SPIE, Vol 9188, 91880R -1	2014
4	M.Esakkimuthu Raju,	Study of Surface roughness of corroded metals using plastic optical fiber sensor.	SPIE , 9205 920509-1	2014
5	Mr N.Pavan Kumar	Investigation of Magnetocaloric Effect in Dy doped TbMnO ₃	Elsevier, 132 ,(2014), 82-85	2014
6	Mr N.Pavan Kumar	Investigation of Magnetocaloric Behavior of Sr-Doped EuMnO ₃	Springer, DOI 10.1007/s 10948- 014-2580-6	2014
7	Mr N.Pavan Kumar	Structural, Magnetic, thermodynamics and Transport Properties of A-site disordered Nd _{0.3} Sm _{0.2} Sr _{0.5} MnO ₃	J.Thermal Anl Calorim, DOI10.1007/s 10973-014-39060	
8	Mr N.Pavan Kumar	Investigation of Magnetocaloric Behavior of Nanocrystalline Nd _{0.7} A _{0.33} MnO ₃	J.Supercond Nov Magn, DOI 10,1007/s 10948-014-2543-y	
9	Mr N.Pavan Kumar	Thermopower studies of rare earth doped lanthanum	Elsevier, 362(2014), 20-26.	2014

10	Mr N.Pavan Kumar	Thermal, Magnetic and Electric properties of RMn_2S_5 based Multiferroics	Multiferr, Matter, 2014, 1(1):1-8	2014
11	Dr.K.Srinivas	Synthesis, Structural and Magnetic Properties of Nanocrystalline $\text{Ti}_{0.95}\text{Co}_{0.05}\text{O}_2$ - Diluted Magnetic Semiconductors	J Supercond Nov Magn. ISSN: 1557-1947 DOI. 10.1007/s10948-014-2615-z. 30 June (2014).	2014
12	Mr R Mahesh	Electronic Structure and Structural Phase Stability of BaFe_2As_2 compound under pressure.	International Journal of Scientific & Engineering Research, (IJSER) ISSN 2229-5518, Vol 5, Issue 3 March 2014, (pages-198-203).	2014
13	Mr R Mahesh	Electronic Structure and Structural Phase Stability of EuCo_2As_2 compound under pressure.	International Journal of Scientific & Engineering Research, (IJSER) ISSN 2229-5518, Volume 5, Issue 3 March 2014, (pages-204-208).	2014
14	Dr S Srinivasa Rao	Synthesis of symmetrically / unsymmetrically substituted bisbenzimidazolesulphides of potential pharmacological interest	Indian Journal of Chemistry Sec- B (In Press). ISSN : 2230 – 9632 (Online), Vol.4 (3), 2014,433-440	2014
15	Dr S Srinivasa Rao	A Green Synthesis of Benzimidazolyl- β -ketosulphides in Aqueous Medium and Their Alkylation Studies	Journal of Green Science and Technology, American Scientific Publishers, 1(2), 2014, 1-3.	2014
16	Dr S Srinivasa Rao	Synthesis of N-alkyl-2-thiomethyl benzimidazoles: A Green approach	Organic Chemistry International, Hindwai Publishers, 2014 (2014)	2014
17	Dr S Srinivasa Rao	Synthesis of N,N1-disubstituted bisbenzimidazoles of potential pharmacological interest	Journal of Chemical and Pharmaceutical Research, 6(3), 2014, 1199-1204.	2014
18	Dr S Srinivasa Rao	A green approach for the synthesis of 1-methyl-2-(alkylthio)-1H-benzimidazoles	Asian Journal of Chemistry, 26 (18), 2014, 5995-5997.	2014

19	Dr S Srinivasa Rao	An Environmentally Benign Synthesis of α - benzylthiobenzimidazoleacetonitriles Using	Journal of Green Science and Technology, American Scientific Publishers. 2(2), 2014, 1-3.	2014
20	Dr S Srinivasa Rao	A facile and eco-friendly Synthesis of 1-methyl-2-((alkylthio)methyl)- 1H-benzimidazoles	Heterocyclic Letters, Raman Publications, 4 (2), 2014.	2014
21	Dr S Srinivasa Rao	An Ultrasound mediated Green synthesis of benzimidazolyl thiounsaturated nitriles using water as a green solvent	Organic Chemistry International, Hindwai Publishers, 2014 (2014).	2014
22	Dr S Srinivasa Rao	Synthesis of Symmetrical/Unsymmetrical-1-Alkyl-2-(((1-(1-Alkyl-1H-Benzimidazol-2-yl) Ethyl)Thio)Methyl)- 1H-Benzimidazole of Potential Pharmacological Interest	Heterocyclic Letters, Raman Publications, 4(3), 433, 2014.	2014
23	Dr S Srinivasa Rao	One-Pot Green syntheses of benzimidazolylacrylonitriles by grinding at room temperature.	Published in Conference Proceedings in NDCT-2014 held in JNTU Hyderabad).	2014
24	Ms K Sarita	Zn(OAC), 2H ₂ O – Catalyzed One – Pot Efficient Synthesis of α - Amino Nitrites	Asian Journal of Chemistry, Vol: 26 No : 21 (2014) .	2014
25	Mr N.Pavan Kumar	Schottky-Like Anomaly In the Low-Temperature Specific Heat of Polycrystalline Y _{0.3} Gd _{0.2} Sr _{0.5} MnO ₃	Materials Physics and Mechanics 18 (2013), 35-41.	2013
26	Mr N.Pavan Kumar	Thermopower Studies of Polycrystalline Ag Doped LaMnO ₃ Manganites.	J.Supercond Nov Magn,(2013), 26-2975-2980 DOI 10.1007/s10948-013-2123-6	2013
27	Mr R Mahesh	Electronic structure, magnetic ordering and phase stability of LiFeX (X= P, As and Sb) under pressure.	Modern Physics Letters B, ISBN- NO -1793-6640, Vol. 27, No. 32 (2013) 1350236 (14 pages).	2013
28	Mr S Srinivasa Rao	A facile and green synthesis of N-substituted-2-chlorobenzimidazoles	Der Pharma Chemica, 5, 2013, 69,ISSN : 0975 – 415X	2013

29	Dr S Srinivasa Rao	Synthesis of N, N1-bisbenzimidazolesulphides as potential pharmacological interest	Indian Journal of Heterocyclic Chemistry, 22, 2013, 243.	2013
30	Dr S Srinivasa Rao	A facile and Green Synthesis of N-substituted-2-mercapto benzimidazoles	Indian Journal of Chemistry, 52B, 2013, 1210-1213.	2013
31	Dr N.Pavan Kumar	Specific Heat and Magnetization studies of RMn O ₃ Multiferroics.	JOP Publishing Physics Spectra, 8, march, 2011, 83 (2011) 045701 (8pp)	2011
32	Dr.K.Srinivas	The influence of nanometric size on various properties of Nanocrystalline Zn _{0.9} Ni _{0.1} O Diluted Magnetic Semiconductors	International Journal of Nanoscience, ISSN: 1533-4880 Vol.10, Nos 4&5 (2011) 949-954.	2011
33	Dr.K.Srinivas	Preparation and properties of Zn _{0.9} Ni _{0.1} O Diluted Magnetic Semiconductor Nanoparticles.	J.Nanopart Res. ISSN: 1388- 0764 (2011) 13.817-837. DOI 10.1007/s 11051-010-0084-2.	2011
34	Dr.K.Srinivas	Structural, electronic and magnetic properties of Sn _{0.95} Ni _{0.05} O ₂ nanorods.	Nanoscale, ISSN 2040-3364, 2011, 3, 642-653	2011
35	Dr.K.Srinivas	Structural, Optical and Magnetic properties of Nanocrystalline Co based SnO based Diluted Magnetic Semiconductors	J.Phys. Chem C. ISSN 1932-7447, 2009, 113, 3542-3552.	2009
36	Dr.K.Srinivas	Structural, Optical and Magnetic properties of Nanocrystalline Zn _{0.9} Co _{0.1} O based Diluted Magnetic Semiconductors	Materials Chemistry and physics, ISSN: 0254-0584, 113 (2009) 749-755.	2009
37	Dr. S Srinivasa Rao	Synthesis of N-alkylated-2-(1,3-diphenyl-1H-pyrazol-4-ylsulfanyl)- 1H-benzimidazoles by Vilsmeier-Haack reaction and by condensation with DMF-DMA	Indian Journal of Chemistry Sec- B (In Press).	Accepted
38	Dr S Srinivasa Rao	Synthesis of α – Benzylthiobenzimidazoleactonitriles and their Chemo selective Reduction of the Double Bond with NaBH ₄ .	Journal of Heterocyclic Chemistry, Wiley Publications (In Press)	Accepted

39	Dr S Srinivasa Rao	Utility of nitrogen nucleophiles: A simple route for the synthesis of 2-substitutedbenzimidazolyl Pyrimidines	Phosphorous, Sulphur, Silicon and Related Elements, Taylor and Francis (In Press), Sep, 2014	Accepted
40	Dr S Srinivasa Rao	Synthesis of 1-alkyl-2-chloromethylbenzimidazole under Green Conditions	Asian Journal of Chemistry (InPress).	Accepted
41	Dr S Srinivasa Rao	Highly efficient tandem syntheses of unsymmetrically substituted isomeric S,N- disubstituted-2-mercaptobenzimidazoles	Indian Journal of Chemistry Sec- B (In Press).	Accepted

- Areas of consultancy and income generated : **NIL**
- Faculty as members in
- g) National committees : **NIL**
- h) International committees : **NIL**
- a. Editorial Boards :

1. Dr.R..RamaKrishna, Professor – Peer - Reviewer for the following journals:

- Editorial Board Review Committee Member for “International Journal of Engineering research and Technology” (IJERT)
- Editorial Board Review Committee Member for “International Journal of Scientific and Engineering Research” (IJSER)

2. Dr.D.Raju, Associate Professor - Peer - Reviewer for the following Journals:

- Editorial Board Review Committee Member for “International Journal of Engineering and Technical Research” (IJETR).
- Editorial Board Review Committee Member for “International Journal of Advanced Engineering and Global Technology” (IAEGT).
- Editorial Board Review Committee Member for “International Journal of Engineering research and Technology” (IJERT).
- Editorial Board Review Committee Member for “International Journal of Scientific and Engineering Research” (IJSER).
- Editorial Board Review Committee Member for “International Journal of Advance Research” (IJOAR).

- Student projects: **NOT APPLICABLE**
- Awards/Recognitions received by Faculty and students:

e) Faculty:

- 1.Mr. E.M. Raju – Received Best Faculty Award – VJIT for the year 2015.
- 2.Dr. R. Ramakrishna – Received Best Faculty Award - VJIT for the year 2014.
3. Dr. K. Sareen Raj – Received Pre-Doctoral Fellowship from OUCIP –OU in 2013.

4. Dr. **Dipankar Sengupta** ,Associate Professor had received Ph.D from NIT,Warangal on 21-12-2012,,entitled with “study on discrete and continuous liquid level measurements using fiber bragg gratings” December 2012.
5. Dr.S.Srinivas Rao ,Assistant Professor had received Ph.D from JNTU Hyderabad in 2015.
5. Mr.A.Sadanandam, Assistant Professor qualified APSET-2012.
6. Mr.Azeem Ali, Assistant Professor qualified UGC-NET/APSET
7. Dr.G.Krishna Kumari ,Professor received **Best Inspiring Teacher** Award for the year 2010 from Teachers Academy.
8. Dr.G.Krishna Kumari ,Professor had received Ph.D from Osmania University Hyderabad in 2011.

f) Students: NIL

➤ **List of eminent academicians and scientists/visitors to the department:**

S.No	Year	Name of the Academician/ scientist	Designation	Organization	Purpose of visit
1	22/12/ 2014	. Prof K.Kuppuswamy Rao gave a lecture on “Applications of Differential Equations” for the Engineering students.	Former Rector	Dr. B.R. Ambedkar Open University	Guest Lecture in memory of Srinivasa Ramanujan’s birth day
2	2014	Brig. P Ganesham	Founder of <i>PalleSrujana & Honeybee network</i> ent workshops.	<i>PalleSrujana & Honeybee network</i> ent workshops	Workshop on Grass-root level Innovations & Entrepreneurial opportunities
3	02/08/2014	DR Williams	Director, EPICS, Purdue University	EPICS, Purdue University	Seminar on “Community Projects”
4	15/07/2014	Prof Krishna Vedula	Executive Director,	IUCEE	Seminar on “21 st Century Grand Challenges of Engineer”
5	15/07/2014	Prof Siva Krishnan	Professor	-	Seminar on “Project Based Learning”
6	9 th & 10 th November 2013	Prof. K. Venugopal Reddy,	HOD	Dept.of Physics OU	SPECTRA 2013 Two day workshop on Optics
7	7 th & 8 th December 2012	Prof. T. Srinivas	Professor	IISc, Bangalore	Workshop on Photonics & Applications of Optical Fibers

➤ **Seminars/Conferences/workshops organized and the source of funding:**

(a) National

S. No	Title of the seminar	College	Date	Source Of Funding
1.	Role of Mathematics in Engineering	Department Of mathematics	19 th and 20 th July , 2013.	College
2.	Applications of Mathematics in Engineering Sciences	Department Of mathematics	4 th and 5 th September , 2012	College

3.	Environmental Pollution, Its sources Effects and Remedies	Department Of Chemistry	23 rd , Mar, 2011	College
4.	Chemistry in Engineering Technology	Department Of Chemistry	10 Sep, 2012	College
5.	Relevance & meaning in the Teaching and Learning of English communication skills	Department Of English	25 th and 26 th July, 2008	College
	Engineering the Future Engineer: Instructional Practices to Enhance the Employability Skills”- 25-26 July, 2014	Department Of English	25-26 July, 2014	College
6.	Need for Concept Oriented Physics Teaching in Engineering Colleges	Dept.of Physics,	12-17th, August,2013	College
7.	Latest Trends in Materials.	Department Of Physics	24-25th, August,2012.	College
8	Faculty Orientation Programme	Department of H&S	24 - 26 June,2013	College
9.	Faculty Orientation Programme	Department of H&S	25-26 June 2014	College

Student Workshops/Quizzes conducted

S.No.	Name of the workshop	Department	Date
1	Generation Of Thoughts Wild to Wise Techno Fair 2015	Department of English	30 Jan 2015
2	Google Apps For Education Training Ch. Dwarakanath Director, Implementation & Training, Google India.	Department of H&S	22 nd & 23 rd December 2014
3	A guest lecture programme in memory of Srinivasa Ramanujan’s birthday on 22 Dec 2014. Prof K.Kuppuswamy Rao, former rector of Dr. B.R. Ambedkar Open University gave a lecture on “Applications of Differential Equations” for the Engineering students.	Department of Mathematics	22 nd December 2014
4	Techno Quiz Contest in memory of famous Indian scientists C.V. Raman – S. A. Ramanujan – P.C. Ray	Department of H&S	20 th Dec 2014
5	The Training and Placement Department ,TPO Mr Satya Kiran, conducted a one day workshop on ‘ Preparing Today’s Students for Tomorrow’s Challenges’ ...	Department of H&S	25th November 2014
6	Sir CV Raman’s 125th Birthday Celebrations Department of Physics has celebrated Sir. C.V. Raman Birthday on 07.11.2014.	Department Of Physics	7th November, 2014

7	A Three-Day Regional Workshop on “the 21 st Century Grand Challenges of Engineers “	Department of H&S	Sep15-17, 2014
8	Grass-root level Innovations & Entrepreneurial opportunities by <i>Brig. P Ganesham, Founder of PalleSrujana & Honeybee network</i> ent workshops	Department of H&S	22 nd August 2014.
9	DR William s, Director, EPICS, Purdue University on Community Projects	Department of H&S	Aug 2, 2014
10	Prof Krishna Vedula , Executive Director,IUCEE 21 st Century Grand Challenges of Engineer	Department of H&S	July 15, 2014
11	Prof Siva Krishnan, on the Project Based Learning	Department of H&S	July 15,2014
12	SPECTRA 2013 Two day workshop on Optics Chief Guest: Prof K Venugopal Reddy,HOD,Physics,OU	Department of Physics	9 & 10 November 2013
13	Techno Quiz Contest in memory of famous Indian scientists Cognition 3R C.V. Raman – S. A. Ramanujan – P.C. Ray	Department of H&S	20 th Dec 2013
14	Workshop on Photonics & Applications of Optical Fibers Chief Guest : Prof T Srinivas,IISc,Bangalore	Department of Physics	7 & 8 December 2012
15	Techno Quiz Contest in memory of famous Indian scientists Cognition 3R C.V. Raman – S. A. Ramanujan – P.C. Ray	Department of H&S	16 th March 2012

(b) International : NIL

➤ Student profile programme/course wise:

Year	Name of the course/programme	Applications received	Selected (Number admitted)	Enrolled		Pass percentage
				Male	Female	
2011-12	B.Tech (ECE,CSE,MECH,IT ,CIVIL)	540	540	390	150	57.5
2012-13		720	675	500	175	65.19
2013-14		900	847	632	215	45.25
2014-15		1020	921	711	210	32.32
2015-16		1020	971	726	245	NA

Admissions are through EAMCET / PGECET counseling of AP State Govt.

➤ **Diversity of the students:**

Year of Admission	Name of the course	% of the students from the same state	% of the students from the other state	% of the students from abroad
2011-12	B.Tech (ECE,CSE,MECH,IT,CIVIL)	98.52	1.48	---
2012-13		99.2	0.8	---
2013-14		98.71	1.29	---
2014-15		99.46	0.54	---
2015-16		99.59	0.41	---

➤ How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NOT APPLICABLE

➤ Student Progression: NOT APPLICABLE

➤ Details of infrastructure facilities:

a) Library : **Plinth Area - 41.75 sq.mts.**

No. of titles	No. of volumes	No. of computers	No. of E-Journals	No. of Printed Journals
1309	6535	18	4398	286

g) Internet facilities for Staff & Students:

➤ 4 Mbps broad band leased line from BSNL

➤ 12 Mbps NME (National Mission for Education through Information & Communication Technology)

h) Classroom with ICT facility : **03**

i) Laboratories : **03**

S.No	Name of the Laboratory	Area(Sq.mts)	Total Investment (Rs.)
1	ELCS	68.15	16,49,000
2	ENGINEERING PHYSICS	66	5,27,248
3	ENGINEERING CHEMISTRY	66	6,26,128

➤ Number of students receiving financial assistance from college, University, Government or Other agencies:

➤ Details of student enrichment programmes (special lectures/workshops/seminars) with External experts:

S.No	Year	Name of the seminar/conference/workshop	Date(s)	Source of funding
1	2015	Generation Of Thoughts Wild to Wise Techno Fair 2015	30 Jan 2015	College
2	2014	Google Apps For Education Training Ch. Dwarakanath Director, Implementation & Training, Google India.	22 nd & 23 rd December 2014	College

3	2014	A guest lecture programme in memory of Srinivasa Ramanujan's birthday on 22 Dec 2014. Prof K.Kuppuswamy Rao, former rector of Dr. B.R. Ambedkar Open University gave a lecture on "Applications of Differential Equations" for the Engineering students.	22 nd December 2014	College
4	2014	Techno Quiz Contest in memory of famous Indian scientists C.V. Raman – S. A. Ramanujan – P.C. Ray	20 th Dec 2014	College
5	2014	The Training and Placement Department ,TPO Mr Satya Kiran, conducted a one day workshop on ' Preparing Today's Students for Tomorrow's Challenges' ...	25th November 2014	College
6	2014	Department of Physics has celebrated Sir. C.V. Raman's 125 th Birthday on 07.11.2014.	7th November, 2014	College
7	2014	A Three-Day Regional Workshop on "the 21 st Century Grand Challenges of Engineers "	Sep15-17, 2014	College
8	2014	Grass-root level Innovations & Entrepreneurial opportunities by <i>Brig. P Ganesham, Founder of PalleSrujana & Honeybee network</i> ent workshops	22 nd August 2014.	College
9	2014	DR William s, Director, EPICS, Purdue University on Community Projects	Aug 2, 2014	College
10	2014	Prof Krishna Vedula , Executive Director,IUCEE have delivered a lecture on the topic of 21 st Century Grand Challenges of Engineer	July 15, 2014	College
11	2014	Prof Siva Krishnan,delivered a lecture on the topic of Project Based Learning	July 15,2014	College
12	2013	SPECTRA 2013 Two day workshop on Optics Chief Guest: Prof K Venugopal Reddy,HOD,Physics,OU	9 & 10 November 2013	College
13	2013	Techno Quiz Contest in memory of famous Indian scientists Cognition 3R C.V. Raman – S. A. Ramanujan – P.C. Ray	20 th Dec 2013	College
14	2012	Workshop on Photonics & Applications of Optical Fibers Chief Guest : Prof T Srinivas,IISc,Bangalore	7 & 8 December 2012	College

15	2012	Techno Quiz Contest in memory of famous Indian scientists Cognition 3R C.V. Raman – S. A. Ramanujan - P.C. Ray	16 th March 2012	College
----	------	---	-----------------------------	---------

Teaching methods adopted to improve student learning:

- Regular class work as per the time table.
- Effective Black board teaching in all class rooms along with the facility of Power point presentations/Video lectures/OHPs.
- Remedial classes are conducted for weak and slow learning students.
- Regular tests are conducted after completion of prescribed syllabus.
- Providing extra content to fill the gap between academic and industry
- Necessary content and material is provided for all the students.
- Assignments are given to students based on the need of the topic
- A separate department library is set up to provide books on all subjects.
- Providing extra lab practice to all the students to improve the practical skills along with regular curriculum.
- ELCS Lab provides several activities to motivate the budding engineers.
- Expert lectures, Workshops, Seminars, Training programmes are conducted by inviting guest eminent personalities from academic institutions and Industry to enhance the knowledge of student
- The department extracurricular committee organizes several events like seminars, technical quizzes, literary activities, NSS to enhance student overall performance.
- A Literary Club has been launched to improve overall performance of the students.
- Sports and Games competitions are conducted to motivate the students and instill confidence.

SWOC Analysis of the Department and future plans:

Strengths:

- Dedicated ,experienced and highly qualified faculty.
- Active participation of faculty in research activities.
- Well equipped and spacious laboratories.
- Separate block is provided for all the classes and labs for I B.Tech Students.

Weaknesses:

- Lack of Industrial research and consultancy

Opportunities:

- Skill-set required by the leading MNC's and Public sector and intense training in soft skills and personality development by T & P Cell and association with alumni grabs the opportunities to make the students industry ready.
- Amicable management with generous attitude in the form of lucrative special pays and incentives with additional perks and allowances to attract highly qualified and efficient and veteran faculty.

Challenges

- To introduce new teaching methodologies in class rooms

- To strengthen research activities

Future plans:

- To improve academic performance with consistent evaluation.
- To emerge as a department with value based education imparting ethics, moral values and leadership traits.

Grams : "TECHNOLOGY"
Email : pa2registrar@jntuh.ac.in



Phone: Off: +91-40-32422253
Res: +91-40-32517275
Fax: +91-40-23158665

PROCEEDINGS OF THE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by Andhra Pradesh Ordinance No. 30 of 2008)
Kukatpally, Hyderabad – 500 085, Telangana (India)

Dr. N.V. RAMANA RAO,

B.E., M.Tech., PGDCS, Ph.D. (UK), Post DOC (UK),
Professor of Civil Engineering, &
REGISTRAR

To

Date: 28-06-2015

The Principal / Secretary /Chairman
VIDYA JYOTHI INSTITUTE OF TECHNOLOGY,
OPP: AZIZ NAGAR GATE, HIMAYAT NAGAR VILLAGE, C.B.POST, HYDERABAD, MOINABAD,
RANGA REDDY - 500075.

Sub : - Communication of grant of affiliation for the Academic Year 2015-16-Reg.

- Ref : 1. Your college online application dated: 07-05-2015 for grant of Affiliation for the Academic Year 2015-16.
2. Deficiency report Dated: 09-06-2015
3. Order of Hon'ble High Court in W.P. No: 14743/2015 Dated: 12/06/2015
4. Further Hearing on: 12-06-2015

With reference to the above, your college made an application for grant of Affiliation for the Academic Year 2015-16. Pursuant to your application the University has conducted an Inspection and communicated the deficiencies for conduct of the academic courses.

Pursuant to the communication of deficiencies you have filed an appeal for reconsideration and the University reviewed the same or re inspection was conducted. Based on the above the University has accorded affiliation to the following courses.

S.No	Name of the Course	Intake
1.	B.Tech - Civil Engineering	120
2.	B.Tech - CSE	240
3.	B.Tech - ECE	240
4.	B.Tech - Mechanical	240
5.	M.Tech - Structural Engineering	24
6.	M.Tech - CSE	18
7.	M.Tech - CSE - 2	24
8.	M.Tech - Embedded Systems	24
9.	M.Tech - Embedded Systems - 2	24
10.	M.Tech - VLSI System Design	24
11.	M.Tech - VLSI System Design - 2	24
12.	M.Tech - Power Electronics & Electrical Drives	18
13.	M.Tech - Power Electronics & Electrical Drives - 2	24
14.	M.Tech - CAD/CAM	24
15.	MBA - MBA	60
16.	B.Tech - EEE	120
17.	B.Tech - Information Technology	60
18.	M.Tech - Electrical Power Systems	24

19.	M.Tech - Electrical Power Systems - 2	24
-----	---------------------------------------	----

Further the University is not inclined to grant affiliation for the remaining courses because of the following reasons.

a. Faculty deficiencies such as

1. Lack of Identity proof of faculty such as PAN Card/ Aadhaar Card of the faculty (for the verification of faculty particulars).
2. Lack of Payment of salary particulars for existing staff (Bank statement including TDS particulars)
3. Qualified and Ratified Principal.

b. Laboratory deficiencies


1. Non availability of laboratory equipment / Non working condition of laboratory.

The above are essential for imparting Technical education.

It is further stated that the University reserves its right to make further re-inspection at any time for satisfaction of the existing essential academic requirements in particular Laboratory and Faculty in your college. If the University is not satisfied regarding the essential requirements the affiliation may be cancelled..

The annexure contained along with this letter may be read as a part of this letter.

Sd/-
REGISTRAR


PRINCIPAL
Vidya Jyothi Institute of Technology,
Himayatnagar (VIII), C.B. Post.,
Hyderabad-500 075.


ANNEXURE

Course wise assessment of essential requirement (Mainly Faculty & Labs) as per University norms & regulations.

S.No	Course	Faculty Shortage *		Lab Shortage
		No	Deficiency of Doctorates	Name of the Lab(s)
1	M.Tech - Machine Design	4	NO	NIL

* Subject to further extension of AICTE relaxation of qualification of pro term Lecturers after June 30, 2015.

Any data discrepancies may be brought to the notice of the University within two days.


PRINCIPAL
Vidya Jyothi Institute of Technology,
Himayatnagar (VIII), C.B. Post.,
Hyderabad-500 075.

Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)

UGC Website: www.ugc.ac.in



ज्ञान-विज्ञान विमुक्तये
SPEED POST

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

F. No. 8-165/2014 (CPP-I/C)

June, 2014

The Registrar,
Jawaharlal Nehru Technological University
Hyderabad – 500 075

Andhra Pradesh

9 JUN 2014

Sub: Recognition of College under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter no. VJIT/P/28/2013-14 dated 07.05.2014 received from the Principal, Vidya Jyothi Institute of Technology, Aziz Nagar Gate, C.B. Post, Hyderabad – 500 075, Andhra Pradesh on the above subject and to say that it is noted that the following college is **un-aided/self financed** and **permanently** affiliated to **Jawaharlal Nehru Technological University, Hyderabad**. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 2(f) & 12(B) of the UGC Act, 1956 under the head '**Non-Government, self financed** Colleges teaching upto **Master's Degree**':-

Name of the College	Year of Establishment	Remarks
Vidya Jyothi Institute of Technology, Aziz Nagar Gate, C.B. Post, Hyderabad – 500 075, Andhra Pradesh.	1998	The College is now declared fit to receive Central assistance in terms of Rules framed under Section 12 (B) of the UGC Act, 1956. However, the College, being a self financing & unaided, would be eligible to receive UGC's support only in respect of teachers & students related schemes as per the decision of the Commission dated 8 th July 2011.

The indemnity Bond and the other supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,

(Charan Dass)
Under Secretary

Copy to:-

- ✓ The Principal, Vidya Jyothi Institute of Technology, Aziz Nagar Gate, C.B. Post, Hyderabad – 500 075, Andhra Pradesh.
- The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi - 110 001.
- The Secretary (Higher Education), Government of Andhra Pradesh, Secretariat Building, J-Block, 4th Floor, Hyderabad – 500 022, (Andhra Pradesh).
- The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Andhra Pradesh).
- Publication Officer (UGC-Website), New Delhi.
- Section Officer (FD-III Section), UGC, New Delhi.
- Guard file.

Sunita
(Sunita Khanna)
Section Officer



Set *Approval: 1998-99*
अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
 (भारत सरकार का एक सांविधिक संस्थान) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

Dr. B.G. Sengupta
 Director (ET)

Ref. No: 730-50-293(E)/ET/98

December 16, 1998

December 16, 1998

PRINCIPAL SECRETARY TO GOVERNMENT
 HIGHER EDUCATION DEPARTMENT
 GOVT. OF ANDHRA PRADESH
 407, 'J' BLOCK, SECRETARIAT
 HYDERABAD 500 002

1. AICTE approval to VIDYA JYOTI EDUCATIONAL SOCIETY, PLOT 8, ROAD NO.2, BANJARA HILLS, HYDERABAD 500 034, for establishment of VIDYA JYOTI INSTITUTE OF TECHNOLOGY, TOLKATTA VILLAGE & GRAM PANCHAYAT, KOIKABAD KASAB, CHEVELLA REVENUE DIVISION, RANGA REDDY DIST.

I am directed to state that with reference to the letter of 'Viability' issued by the Council vide Letter No. 730-50-293(E)/ET/98 dated 20.8.98 and subsequent consultations with the concerned State Govt., the affiliating body and on recommendations of the Regional Committee and the Expert Committee constituted by the Council and as per the provisions of AICTE regulations, the All India Council for Technical Education (AICTE), is pleased to accord approval to VIDYA JYOTI EDUCATIONAL SOCIETY, PLOT 8, ROAD NO.2, BANJARA HILLS, HYDERABAD 500 034, for establishment of VIDYA JYOTI INSTITUTE OF TECHNOLOGY, PERKASAPETA VILLAGE & GRAM PANCHAYAT, KOIKABAD KASAB, CHEVELLA REVENUE DIVISION, RANGA REDDY DIST., TEXASAPETA VILLAGE, KOIKABAD KASAB, CHEVELLA REVENUE DIVISION, RANGA REDDY DIST. during the academic year 1998-1999, provided the minimum number of academic days as decided by the respective affiliating body could be made up from now on, failing which this approval may be deemed for the academic year 1999-2000.

Courses	Intake Level	Duration
Mechanical Engineering	60 Degree	4 yrs
Electronics & Communication Engg.	60 Degree	4 yrs
Electrical & Electronics Engg.	60 Degree	4 yrs
Computer Science & Engg.	60 Degree	4 yrs
Total		120

This approval has been accorded as per the norms and standards of AICTE.

The admission will be made in accordance with Regulations notified by the AICTE vide GSR 416(E) dated 20.05.1994 based on the Hon'ble Supreme Court Judgement dated 04.02.1993 with regard to XPICI No. 301 of 1992 in the case of Unni Krishnan JP and others etc. vs. State Government of Andhra Pradesh and others etc. and later judgements. No Management/Institute/Trust or Society shall announce admissions directly under any circumstances. Any action contrary to this provision taken by the Institute will make it liable to be derecognised.

Further in the event of infringement/contravention or non-compliance of the norms and standards as prescribed by the AICTE, the Council shall take further action to withdraw approval, and the liability arising out of such withdrawal of approval will be solely that of Management/Trust/Society and/or Institution.

A. Lakshmi
PRINCIPAL

Vidya Jyothi Institute of Tech
 Himayatnagar (VIII), E.B. Post,
 Hyderabad-500 075

CO :
1. REGIONAL OFFICER, SOUTHERN REGIONAL OFFICE
AL. INDIA COUNCIL FOR TECHNICAL EDUCATION
SOUTHERN REGIONAL OFFICE, AICTE,
26, MADDOWS ROAD, CHENNAI 600006

He is requested to monitor compliance with the Norms and Standards stipulated by the Council and keep the concerned Regional Committee and the AICTE informed of the same.

2. THE COMMISSIONER OF TECHNICAL EDUCATION, DIRECTORATE
OF TECHNICAL EDUCATION, GOVT. OF ANDHRA PRADESH
V FLOOR, D BLOCK, BRK BUILDINGS
HYDERABAD - 500 063

The name of the Institution and its seats for admission may be included in the approved list of the institutions for admission purposes.

3. REGISTRAR/SECRETARY, JNTU
HYDERABAD

He is requested for completing the process of affiliation for facilitating admissions.

4. (a) CHAIRMAN/SECRETARY, VIDYA JYOTI EDUCATIONAL SOCIETY,
PLOT 8, ROAD NO.2, BANJARA HILLS,
HYDERABAD 500 034


(b) PRINCIPAL, VIDYA JYOTHI INSTITUTE OF TECHNOLOGY,
TOLKATTA VILLAGE & GRAM PANCHAYAT,
MOINABAD Mandal, CHEVELLA REVENUE DIVISION,
RANGA REDDY DIST.


The institution should comply with the specific condition(s) made by the Visiting Expert Committee :

A) The institution should shift to its permanent premises within two years.

5. CHAIRMAN, A.P. STATE COUNCIL OF HIGHER EDUCATION,
P.B. NO. 34, SAIFABAD, HYDERABAD 500 004.

6. Guard File.


(R.P. Singh)
Asst. Director


PRINCIPAL
Vidya Jyothi Institute of Technology,
Himayatnagar (Vill), C.B. Post,
Hyderabad-500 075.



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/1-2453906408/2015/EOA

Date: 07-Apr-2015

To,

Sub: Extension of approval for the academic year 2015-16

Ref: Application of the Institution for Extension of approval for the academic year 2015-16

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	1-2453906408
		Permanent Id	1-5354121
Name of the Institute	VIDYA JYOTHI INSTITUTE OF TECHNOLOGY	Institute Address	HIMAYATH NAGAR VILLAGE C.B.POST MOINABAD MANDAL HYDERABAD RANGA REDDY DIST-75, HYDERABAD, RANGAREDDI, Telangana, 500075
Name of the Society/Trust	VIDYA JYOTHI EDUCATIONAL SOCIETY	Society/Trust Address	JR TOWERS, 5TH FLOOR, ROAD NO.2, BANJARA HILLS, HYDERABAD, HYDERABAD, Andhra Pradesh, 500034
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2015-16


Application Number: 1-2453906408*

Page 1 of 6

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:11 April 2015

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PRINCIPAL
Vidya Jyothi Institute of Technology,
Himayatnagar (Vill). C.B. Post.



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application Id: 1-2453906408			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	CAD/CAM	FULL TIME	Jawaharlal Nehru Technological University, Hyderabad	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ELECTRICAL POWER SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	EMBEDDED SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	MACHINE DESIGN	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	POWER ELECTRONICS AND ELECTRICAL DRIVES	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	STRUCTURAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Hyderabad	24	24	NA	NA	NA

Application Number: 1-2453906408*

Page 2 of 6

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A. Padmanab
PRINCIPAL
Vidya Jyothi Institute of Technology,
Himayatnagar (VIII), C.B. Post,



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

Application Id: 1-2453906408			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI SYSTEM DESIGN	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	240	240	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	240	240	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	240	240	NA	NA	NA

Application Number: 1-2453906408*

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Page 3 of 6

Letter Printed On: 11 April 2015

PRINCIPAL

Vidya Jyothi Institute of Technology,
Himayatnagar (VIII), C.B. Post.,
Hyderabad-500 075.



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

Application Id: 1-2453906408			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	ELECTRICAL POWER SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	EMBEDDED SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Hyderabad	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	POWER ELECTRONICS AND ELECTRICAL DRIVES	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	VLSI SYSTEM DESIGN	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	24	24	NA	NA	NA
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	60	60	NA	NA	NA

Note: Validity of the course details may be verified at www.aicte-india.org/departments/approvals

The above mentioned approval is subject to the condition that VIDYA JYOTHI INSTITUTE OF TECHNOLOGY 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.

Application Number: 1-2453906408*

Page 4 of 6

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Letter Printed On: 11 April 2015

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[Signature]
PRINCIPAL
Vidya Jyothi Institute of Technology,
Himayatnagar (VJIT), G.B. Road



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

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.

Dr. Avinash S Pant
Actg Chairman, AICTE

Copy to:

1. **The Regional Officer,**
All India Council for Technical Education
First Floor, old BICARD Building
Jawaharlal Nehru Technological University
Masab Tank, Hyderabad-500076
2. **The Director Of Technical Education,**
Telangana
3. **The Registrar,**
Jawaharlal Nehru Technological University, Hyderabad
4. **The Principal / Director,**
VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
HIMAYATH NAGAR VILLAGE
C.B.POST
MOINABAD MANDAL
HYDERABAD
RANGA REDDY DIST-75,
HYDERABAD,RANGAREDDI,
Telangana,500075
5. **The Secretary / Chairman,**
VIDYA JYOTHI EDUCATIONAL SOCIETY
JR TOWERS, 5TH FLOOR, ROAD NO.2, BANJARA HILLS,
HYDERABAD, HYDERABAD,
Andhra Pradesh, 500034
6. **Guard File(AICTE)**


Application Number: 1-2453906408*

Page 5 of 6

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Letter Printed On: 11 April 2015

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PRINCIPAL
Vidya Jyothi Institute of Technology,
Himayatnagar (Vill), C.B. Post



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
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A. Padmanab

PRINCIPAL

**Vidya Jyothi Institute of Technology,
Himayatnagar (VJI), C.B. Post,
Hyderabad-500 075.**

NATIONAL BOARD OF ACCREDITATION
Bhishm Pitamah Marg, Pragati Vihar, Lodhi Road,
4th Floor, NBCC Building, East Tower,
(An Autonomous Body of All India Council for Technical Education)
Tel: 011-24360681, Tel Fax: 011-24360682
New Delhi-110003

Dr. D.K. Paliwal
Member Secretary, NBA

File No. 11-133/2010/NBA

22nd September, 2011

To

The Principal,
Vidya Jyothi Institute of Technology
Aziznagar Gate, C. B. Post, Hyderabad-500075,
Andhra Pradesh
Ph. No. - 08413 - 235300

Subject: Accreditation status of programmes offered by Vidya Jyothi Institute of Technology, Chevella, R.R. Dist., A.P.

Dear Sir/Madam,

This has reference to your application dated 27-12-2008 seeking accreditation of National Board of Accreditation to various Programmes.

2. An Expert Committee conducted an on-site evaluation of the programmes. The report submitted by the Expert Committee was considered by the Engineering & Technology Accreditation Evaluation Committee (EAEC) for the concerned programmes. The Chairman of Executive Committee (EC) of the National Board of Accreditation considered the recommendations of the relevant Accreditation Evaluation Committee for each programme on 16-09-2011. The Chairman has approved the accreditation status of each programme applied by your institution which is as under:

S.No.	Name of the Programmes	Accreditation Status	Period of validity w.e.f. 16-09-2011
1.	B.Tech. Electronics & Communication Engineering	Accredited	Three years
2.	B.Tech. Electrical & Electronics Engineering	Accredited	Three years
3.	B.Tech. Computer Science and Engineering	Accredited	Three years
4.	B.Tech. Information Technology	Accredited	Three years
5.	B.Tech. Mechanical Engineering	Accredited	Three years

3. The accreditation status awarded to the programmes as indicated in the above paragraph does not imply that the accreditation has been granted to **Vidya Jyothi Institute of Technology, Chevella, R.R. Dist., A.P.** as a whole. The complete name of the programme(s) accredited, level of programmes (UG or PG as the case may be) and the period of validity of accreditation, as well as the date from which the accreditation is effective, should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

D.K. Paliwal

A. V. S. R.
PRINCIPAL

Contd.../-

4. The accreditation status of the above programme(s) is subject to change on periodic review by the NBA Secretariat if major deficiencies are noticed. It is desired to comply with the mandatory disclosure of pertinent information in respect of accredited programmes indicated in the Table in paragraph 2 above in Proforma prescribed on the website of the National Board of Accreditation. The same information is also required to appear on the website and information bulletin of your Institution.
5. The accreditation status awarded to the programmes as indicated in Table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.
6. A copy of the comprehensive Report submitted by the Chairman of the Expert Committee which visited your Institution is enclosed for reference and taking necessary action to overcome the shortcomings, if any, observed by the Expert Team.
7. If the Institution is not satisfied with the decision of NBA, appeal may be filed within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,

D. K. Paliwal

(Dr. D.K. Paliwal)

Member Secretary

Encls: Copy of Report of Chairman of the Visiting Team

Copy to:

1. The Vice Chancellor, Jawaharlal Nehru Technological University, Kukatpally, Hyderabad-500072, A.P.
2. The Secretary, Deptt. of Technical Education, Govt. of Andhra Pradesh, BRKB Bhawan, Hyderabad-500063, A.P.
3. Accreditation File
4. Master accreditation file of the State.

A. P. ...

PRINCIPAL

Vidya Jyothi Institute of Technology
Himayatnagar (Vill), C.B. Post.,
Hyderabad-500 075.



PROCEEDINGS OF THE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
(Established by Andhra Pradesh Ordinance No. 30 of 2008)
Kukatpally, Hyderabad - 500 085, Andhra Pradesh (India)

Procds. No.AAC/Permanent Affiliation Vidya Jyothi IT/2014

Date: 07-02-2014

Sub: JNTUH - UAAC - Grant of Permanent Affiliation to "Vidya Jyothi Inst. of Technology", Himayathnagar(V), CB Post,Hyderabad -500 075.from the Academic Year 2014-15 to 2018 -19 - Orders Issued.

Read: 1. Letter No.VJIT/JNTU/2013-14, dt: 08-11-2013 received from the Principal "Vidya Jyothi Inst. of Technology".

2. UAAC/Aff/FFC-Inspections-Permanent / Temporary Affiliation/2014, dated 07-12-2013

3. FFC Report dated: 09-12-2013.

4. The approved Guidelines in the EC of JNTUH in its Tenth meeting, dated 14-12-2012.

5. Minutes of the Standing Committee for Affiliation, dt: 04-01-2014.

6. Note file orders of the Vice- Chancellor, dt: 07-02-2014.

ORDER:

1. The Principal, "Vidya Jyothi Inst. of Technology", Himayathnagar(V), CB Post,Hyderabad - 500 075 has submitted an application for grant of Permanent Affiliation by JNTUH from the Academic Year 2014-15 vide (1) read above. The University has constituted a Fact Finding Committee to examine the proposal for considering the grant of Permanent Affiliation of the College vide (2). The Fact Finding Committee has inspected the college and submitted its report to the University vide (3). Based on the existing Guidelines for Permanent Affiliation vide (4) and the minutes of Standing Committee for Affiliation vide (5) the College is fulfilling the requirements for grant of Permanent Affiliation.
2. In this connection, the Vice-Chancellor is pleased to grant Permanent Affiliation to "Vidya Jyothi Inst. of Technology", Himayathnagar(V), CB Post,Hyderabad -500 075 to offer UG, PG Degree Courses in the following disciplines with the intake shown against each for 5 years w.e.f. the Academic Year i.e. 2014-15 to 2018-19.

SNo.	Name of the Course	INTAKE
1.	CSE	180
2.	IT	60
3.	EEE	120
4.	ECE	240
5.	MECH	240
6.	Civil	60
7.	MBA	60
8.	M.Tech-Power Electronics & Electrical Drives	18
9.	M.Tech-Computer Science & Engg	18
10.	M.Tech-VLSI System Design	24
11.	M.Tech -Embedded System	24
12.	M.Tech-Electrical Power Systems	24
13.	M.Tech-Machine design	24
14.	M.Tech-Computer Science & Engg(2 nd Shift)	24
15.	M.Tech-Power Electronics & Electrical Drives(2 nd Shift)	24
16.	M.Tech-Electrical Power Systems(2 nd Shift)	24
17.	M.Tech-VLSI System Design (2 nd Shift)	24

Contd. 2


PRINCIPAL



PROCEEDINGS OF THE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
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15.	M.Tech-Power Electronics & Electrical Drives(2 nd Shift)	24
16.	M.Tech-Electrical Power Systems(2 nd Shift)	24
17.	M.Tech-VLSI System Design (2 nd Shift)	24

The Permanent Affiliation is subject to the following conditions:

1. The Management shall follow the norms of UGC/ AICTE and the rules of Affiliation of JNTUH Hyderabad in all respects.
2. The Management shall follow the Academic Regulations and Examination Schedules of JNTUH Hyderabad.
3. The appointment of the Principal shall be ratified by the University.
4. The College shall have 65% of the Faculty ratified by JNTUH.
5. The University will monitor the existing courses and inspect all the new courses / increase in intake for every Academic Year before start of the counseling process.
6. During the period of Permanent Affiliation, the college needs to submit annual report along with Application, Inspection and Affiliation Fees and dues, if any.
7. The University can withdraw the Permanent Affiliation at any point of time if the college does not satisfy the standards and norms as set by the University for Affiliation.
8. Affiliation and Inspection Fee dues, if any, shall be cleared before receiving these proceedings.


REGISTRAR

To
The Director / Principal,
"Vidya Jyothi Inst. of Technology",
Himayathnagar(V), CB Post, Hyderabad -500 075.

Copy to:

The Chairman/Secretary, "Vidya Jyothi Inst. of Technology" Himayathnagar(V), CB Post, Hyderabad.

The Principal Secretary, Dept. of Higher Education (EC-1) Dept, Govt. of Andhra Pradesh, Secretariat, Hyderabad

The P.A. to Chairman, Andhra Pradesh State Council of Higher Education, JNTU Old Campus, Masab Tank, Hyderabad-500 028

The Secretary, A.P. State Council of Higher Education, JNTU Old Campus, Masab Tank, Hyderabad-28.

The Commissioner of Technical Education, BRKR Govt. Office Complex, Hyderabad

The Secretary, University Grants Commission, New Delhi-110002.

The Member Secretary, All India Council for Technical Education, New Delhi - 110002.

Copy to the PA to the Vice-Chancellor.

Copy to the PA to the Rector.

Copy to the PA to the Registrar.

Copy to the DAP, JNTUH, Hyderabad.

Copy to the Director of Evaluation, JNTUH, Hyderabad.

PRINCIPAL
Vidya Jyothi Institute of Technology,
Himayatnagar (Vill), C.B. Post.,
Hyderabad-500 075.