SELF STUDY REPORT

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)

Bangalore, India

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

Tamaram, Makavarapalem, Narsipatnam road, Visakhapatnam District, ANDHRA PRADESH, INDIA. e-mail: principal_aiet@yahoo.com, mohanrao_c@yahoo.com Phone: 08932-222382 Website: <u>www.avanthienggcollege.ac.in</u>

January-2017

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SECTION B: PREPARATION OF SELF-STUDY REPORT

1.Profile of the Affiliated/Constituent College

1. NameandAddressof theCollege:

Name:	AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY				
Address:	Famaram Post, Makavarapalem Mandal, Visakhapatnam District				
City:	Pin: 531113	State: Andhra Pradesh			
Website:	www.avanthienggcollege.ac.in				

2. For Communication:

Designation	Name	Telephone	Mobile	Fax	Email
		With STD			
Principal	Dr. C. P. V. N. J. Mohan Rao	0:08932- 222382	9849147304	08932- 222453	principal_a iet@yahoo.
		R:			<u>com</u>
Vice Principal		O: R:			
Steering Committee Co-ordinator	Dr. Ch Srinivasu	O: 08932- 222453	9493425808	08932- 222453	vasuch145@ gmail.com

3. Status of the Institution: Affiliated College

- 4. Type of Institution:
 - a. By Gender : **Co-education**
 - b. By Shift : **Regular**
- It is a recognized minority institution? NO-If yes specify theminority status (Religious/linguistic/anyother) and provide documentary evidence.
- 6. Sources of funding: **Self-financing**
- 7. a. Date of establishment of the college: 20/12/1999

b.University towhich the college is affiliated/or which governs the college(If it is a

constituent college)

Jawaharlal Nehru Technological University Kakinada, Kakinada

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i.2(f)	30 th Sep, 2013	NIL
ii.12(B)	30 th Sep, 2013	NIL

(Enclosed the Certificate of recognition u/s2(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.	South-Central/1- 2813229462/2016/EOA	25 th Apr, 2016	One year	
ii.				

(Enclosed the recognition/approval letter)

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

ies v	Yes	١	ſ
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		4
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If yes, has the College applied for availing the autonomous status?

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Yes	No
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9. Is the college recognized

Yes

a. byUGCasaCollegewithPotentialforExcellence(CPE)?

Yes No

If yes, date of recognition:.....(dd/mm/yyyy)

b. for its performance by any other governmental agency?

If yes, Name of the agency.....and

Date of recognition:.....(dd/mm/yyyy)

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

Location*	Tamaram village, Makavarapalem Mandal, Narsipatnam Revenue Divn., Visakhapatnam District
Campusareainsq.mts.	31.23 acres
Builtupareainsq.mts.	17427 Sq. M.

(*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 anagreement 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- Available -
 - Sports facilities
 - * playground Available -
 - * swimming pool NIL -
 - * gymnasium Available -
 - Hostel
 - * Boys'hostel
 - i. One Number ii. 150 inmates
 - iii. Telephone, Xerox, Wi-Fi, Sports, Gym, Library Facilities
 - Girls'hostel
 - i. One Number
 - ii. 50 inmates
 - iii. Telephone, Xerox, Wi-Fi, Sports, Gym, Library Facilities
 - * Working women's hostel NIL
 - i. Number of inmates
 - ii. Facilities (mention available facilities)
 - Residential facilities for teaching and non-teaching staff
 Teaching staff : 10 Asst. Professors; Non-teaching staff 15 Nos.
 - Cafeteria— Available
 - Health centre- Available

First aid, Inpatient, Out patient, Emergency care, Ambulance -

Available Health centre staff-Qualified doctor Qualified Nurse Fulltime V Part-time

- Facilities like banking, post office, book shops Available
- Transport facilities to cater to the needs of students and staff Buses
- Animal house NOT APPLICABLE
- Biological waste disposal NOT APPLICABLE

-Generator or other facility for management/regulation of electricity and voltage – 85 KVA, 30 KVA & 10 KVA Generators available

- Solid waste management facility
- Waste water management
- Water harvesting Yes -
- 12. Details of programmes offered by the college (Give data for current academic year)

SI. No.	Programme Level	Nameofthe Programme/ Course	Duration	Entry Qualificatio n	Medium of instructio n	Sanctioned/ approved Student strength	No. of students admitted
	B. TECH						
1		ECE	4 yrs	10+2	English	180	79
2		CSE	4 yrs	10+2	English	180	75
3		EEE	4 yrs	10+2	English	60	31
4		МЕСН	4 yrs	10+2	English	180	141
5		AE	4 yrs	10+2	English	60	0
6		CE	4 years	10+2	English	60	6
	M. TECH						

7		VLSI System Design	2 yrs	B. Tech	English	18	6
8		DECS	2 yrs	B. Tech	English	18	6
9		Power Electronics	2 yrs	B. Tech	English	24	15
10		Power Systems	2 yrs	B. Tech	English	18	12
11		Computer Science & Engg.	2 yrs	B. Tech	English	24	1
	MBA						
12		MBA	2 yrs	Degree	English	120	72
	UGDiploma						
13		DECE	3 yrs	Xth	English	60	34
14		DEEE	3 yrs	Xth	English	60	54
15		DME	3 yrs	Xth	English	60	60

13. Does the college offer self-financed Programmes?

Yes	No	
If yes,how	many?	

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

	Yes		No		Number	6
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15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes

Like English, regional languages etc.)

Faculty	Departments	UG	PG
Engg.	Electronics & Communications	1	2
Engg.	Computer Science & Engineering	1	1
Engg.	Electrical & Electronics Engineering	1	2
Engg.	Mechanical Engineering	1	0
Engg	Agricultural Engineering	1	0
MBA	Management Studies	0	1

- 16. Number of Programmes offered under (Programme meansadegreecourse like BA,BSc, MA, M.Com...)
 - a. annual system
- 15
- c. trimester system
- 17. Number of Programmes with

semester system

- a. Choice Based Credit System
- b. Inter/Multi disciplinary Approach
- c. Any other (specify and provide details)

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

6

9

No

lf yes,

Yes

b.

a. r (dd/n	nm/yyyy)		ie prograi	nine(s)	
а	and number o	fbatches	that comp	pleted the	programme

b.NCTE recognition details (if applicable)

Notification No.:....Date:

	(dd/mm/yyyy)
--	--------------

Validity:....

c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes		No	
-----	--	----	--

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

Yes	No	\checkmark
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lf 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 accreditat	on of
Phys	ical Education Programme separately? Yes	No

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

		Т	eachi	ingfac	ulty		Non		Tac	hnicol
Positions	Professo r		Associat e Brofosso		Assistan t		teaching staff		staff	
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC/University/ State Government <i>Recruit</i>										
Yet to										
Sanctioned by the Management/ society or other authorized	15	0	24	5	139	22	58	13	22	4
Recruited	15	0	24	5	139	22	58	13	22	4
Yet to										

*M-Male*F-Female

21. Qualifications of the teaching staff:

Highest	Pro	fessor	Ass	ociate	Ass			
qualification			Prof	fessor	Professor		Total	
quantation	Male	Female	Male	Female	Male	Female		
Permanentteachers								
D.Sc./D.Litt.								
Ph.D.	14	Nil	nil	nil	nil	nil	14	
M.Phil.								
PG	1	nil	24	5	139	22	191	
Temporaryteach	ers							
Ph.D.								
M.Phil.								
PG								
Part-timeteachers								
Ph.D.								
M.Phil.								
PG								

- 22. Number of Visiting Faculty/Guest Faculty engaged with the College. NII
- 23. Furnish the number of the students admitted to the college during the last four academic years.

	Ye	ear1	Ye	ar2	Ye	ear3	Year4	
Categorie s	Male	Femal	Male	Femal	Male	Femal	Male	Femal
SC	22	2	12	4	49	4	45	15
ST	4	0	2	3	9	3	13	4
OBC	218	61	162	46	244	66	235	66
General	100	50	78	28	112	47	129	47
Total	344	113	254	81	414	120	422	132

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

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same State where the college is	324	112	nil	nil	436
Students from other states of	1	nil	nil	nil	1
NRI students	Nil	Nil	Nil	Nil	0
Foreign students	nil	nil	nil	nil	0
Total	325	112	0	0	437

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

26. Unit Cost of Education

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

(a)	including	the	salary	component
···/		_		

Rs.44594/-	
Rs.20684/-	

(b) excluding the salary component

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	Γ
		L

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

S. No.	Name ot the program	Teacher Student Ratio
1	B. Tech (ECE)	1:15
2	B. Tech (CSE)	1:15
3	B. Tech (EEE)	1:15
4	B. Tech (MECH)	1:15

5	M. Tech (VLSI System Design)	1:12
6	M. Tech (Digital Electronics & Communication Systems)	1:12
7	M. Tech (Computer Science & Engg.)	1:12
8	M. Tech (Power Electronics)	1:12
9	M. Tech (Power Systems)	1:12
10	Master of Business Administration	1:15

29. Is the college applying for

Accreditation: Cycle1 $$	Cycle2	Cyclea Cyclea
Re-Assessment:	1	

(Cycle1 refers to first accreditation and Cycle2, Cycle3 and Cycle4 refers to re- accreditation)

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

Cycle1:.....(dd/mm/yyyy) Accreditation Outcome/Result....

• • • • • • • •

Cycle2:.....(dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle3:....

(dd/mm/yyyy)

AccreditationOutcome/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.

292 days

32. Number of teaching days during the last academic year (*Teachingdaysmeansdaysonwhichlectureswereengagedexcludingtheexaminationday* s)

250 days

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

05/01/2016(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.

(DoNot include explanatory/descriptive information)

CRITERIA 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

To develop highly skilled professionals with ethics and human values

Mission

To produce competent and highly motivated engineers and management professionals

To encourage innovation and instill ethical practices

To impart quality education with industrial exposure and professional training

To exhort the spirit of professional beyond academic excellence

Objectives of the Institution:

- 1. The students will be guided to meet the requirements of the Industry and take up social responsibilities.
- 2. To develop the institution such that it attains the academic excellence in imparting professional education comparable to prime institutions.
- 3. The institution and the surrounding rural environment will be given a face lift.
- 4. The students will be encouraged in interdisciplinary activities and synergy solutions.
- 5. The personality of the students will be enhanced by imbibing professional, ethical and moral training.
- 6. Special emphasis is given on training the rural students to improve their communication skills.

Communication to Students, Staff and Other Stakeholders:

Institute takes every effort to ensure that the above objectives are communicated effectively to all the students, faculty, staff, parents, employers and regulatory authorities through:

- (a) Published
 - Principal Chamber
 - HOD Rooms
 - College Reception

- Department Staff Rooms
- Department Notice Boards
- College Canteen
- ➤ Library
- ➤ Hostels
- Brochure
- College Website
- Through Electronic & Print Media
- (b) Dissemination
 - Parents meet
 - Alumina Meet
 - Students, Staff and HODs meet
 - Conference and Workshops

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)

Avanthi Institute of Engineering & Technology (hence forth termed as AIET) meticulously develops action plans for effective implementation of the curriculum. At the outset, the college academic committee of the college conducts protracted meetings with the heads of various departments to develop various strategies for effective implementation of the curriculum.

Thereafter, the staff members of various teaching departments conduct their internal meetings and develop academic plans for the coming academic year. Keeping in view, the number of working days available, the syllabus is divided into units which are to be finished by a given deadline. Each Department of the college follows the academic calendar issued by the affiliating university.

Faculty are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits, computer aidedtools or other means apart from regular/traditional teaching methods and develop course file. Course file which contains lesson plan, assignments, tutorials, previous question papers, lecture dairy and lecture notes is maintained by each faculty for their respective subjects allotted. These course files are reviewed on continuous basis.

Thereafter, the college plans the College Calendar as per the university academic calendar which includes the details like the topics to be taught and number of working days allocated to the respective topics, the amount of syllabus to be covered in various classes by conducting mid exams and end semester examinations and also co-circular activities. The implementation of curriculum is monitored through various means that include Student Representatives, Heads of the Departments and Principal at regular intervals.

Following is the sample academic calendar published by the affiliating university:

Grams: "TECHNOLOGY" Email:dapjntuk@gmail.com



Phone: 0884-2300991 Mobile: +91 9618522555

Directorate of Academics & Planning JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA KAKINADA-533003, Andhra Pradesh, INDIA

Lr. No. JNTUK/DAP/Aca.Cal/B.Tech/IV Year/2016-17

Date. 12-05-2016

Prof. K. Padma Raju B.Tech, M.Tech, Ph.D. Professor of Electronics and Communication Engineering & Director, Academics & Planning

To The Principals of Affiliated Colleges, JNTUK, Kakinada

B.IECHIV IEARI Semester	From	To	Weeks
Common of Class Work	27-06-2016		
Lit of Instructions	27-06-2016	20-08-2016	8W
I Mid Examinations	22-08-2016	27-08-2016	1W
I Mid Examinations	29-08-2016	22-10-2016	8W
II Onit of histocion	24-10-2016	29-10-2016	1W
Demonstion & Dracticals	31-10-2016	05-11-2016	1W
Freparation to Tracticals	07-11-2016	19-11-2016	2W
Commencement of Class Work	05-12-2016		
B TECH IV YEAR II Semester	1		
Commencement of Class Work	05-12-2016	ALL PROPERTY.	
LUnit of Instructions	05-12-2016	28-01-2017	8W
I Mid Examinations	30-01-2017	04-02-2017	1W
I Unit of Instruction	06-02-2017	01-04-2017	8W
II Mid Examinations	03-04-2017	08-04-2017	1₩
Properties & Practicals	10-04-2017	15-04-2017	1W
Preparation & Tracticals	17-04-2017	29-04-2017	2W

ACADEMIC CALENDAR FOR B.TECH 2013 BATCH

Director Academics and Planning

JNTUK Kakinada

Copy to the Secretary to the Hon'ble Vice Chancellor Copy to the Registrar Copy to the Director of Evaluation Copy to the Director of Evaluation Copy to Director Institute of Science and Technology Copy to all Directors Copy to Principals of University Colleges of Kakinada and Vizianagaram Copy to Controller of Examinations, JNTUK and ACEs, JNTUK Copy to Principals of all Affiliated Colleges of JNTUK Kakinada

Following is a sample academic calendar developed by the institution based on the published university calendar:

Commencement of Class Work for IV B.Tech - I Sem: 27.06.2016						
Description	From	То	Weeks			
Commencement of Class Work	27.06.2016					
I Unit of Instructions	27.06.2016	20.08.2016	8W			
I Mid Examinations	22.08.2016	27.08.2016	1W			
II Unit of Instructions	29.08.2016	22.10.2016	8W			
II Mid Examinations	24.10.2016	29.10.2016	1W			
Preparation & Practicals	31.10.2016	05.11.2016	1W			
End Examinations	07.11.2016	19.11.2016	2W			
B.TECH IV YEAR II Semester						
Commencement of Class Work	05.12.2016					
I Unit of Instructions	05.12.2016	28.01.2017	8W			
I Mid Examinations	30.01.2017	04.02.2017	1W			
II Unit of Instructions	06.02.2017	01.04.2017	8W			
II Mid Examinations	03.04.2017	08.04.2017	1W			
Preparation & Practicals	10.04.2017	15.04.2017	1W			
End Examinations	17.04.2017	29.04.2017	2W			

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY ACADEMIC CALANDER

Mid examinations are to be conducted without effecting the regular class work

IV B.Tech I Semester

Week	Da	ate	No of Working	Reports to be submitted	Target Date
No	From	То	Days	Reports to be submitted	Target Date
1	27.06.2016	02.07.2016	06	Monthly Attendance and	
2	04.07.2016	09.07.2016	06	Syllabus Completion	On or before 26.07.2016
3	11.07.2017	16.07.2016	06	report up to 23.07.2016	
4	18.07.2017	23.07.2016	06	and student counselling	
5	25.07.2017	30.07.2016	06	Monthly Attendance and	
6	01.08.2016	06.08.2016	06	Syllabus Completion	On or before
7	08.08.2016	13.08.2016	06	report up to 20.08.2016	23.08.2016
8	15.08.2016	20.08.2016	05	and student counselling	
9	22.08.2016	27.08.2016	I - Mid & Online Examinations	Submission of Absentee statement and Result Analysis	On or Before 30.09.2016
10	29.08.2016	03.09.2016	06	Monthly Attendance and	
11	05.09.2016	10.09.2016	06	Syllabus Completion	On or before
12	12.09.2016	17.09.2016	06	report up to 24.09.2016	27.09.2016
13	19.10.2016	24.09.2016	06	and student counselling	
14	26.09.2016	01.10.2016	06	Monthly Attendance and	On or before
15	03.10.2016	08.10.2016	06	Syllabus Completion	25.10.2016

16	10.10.2016	15.10.2016	06			
17	17.10.2016	22.10.2016	06	report up to 22.10.2016		
18	24.10.2016	29.10.2016	II - Mid & Online Examinations	Substistion of Abselinge statement and Result Analysis	On or Before 31.10.2016	
19	31.10.2016	05.11.2016	Practical Examinations	Submission of Lab OMR's & Scripts	On or Before 07.11.2016	
20	07.11.2016	19.11.2016	End Examinations			
Submis	Submission of all Academic Documents Maintained by Faculty 15.11.2017					

Total No. of Working Days: 95

Expected Total No. of Periods per subject: 66 IV B.Tech-II Semester

Week	Da	ate	No of Working Days	Reports to be submitted	Target Date
No	From	То	The of working Days	Reports to be submitted	Taiget Date
1	05.12.2016	10.12.2016	06	Monthly Attendance and	
2	12.12.2016	17.12.2016	06	Syllabus Completion	On or before
3	19.12.2016	24.12.2016	06	report up to 31.12.2016	03.01.2017
4	26.12.2016	31.12.2016	06	and student counselling	
5	02.01.2017	07.01.2017	06		
6	09.02.2017	12.01.2017	04	Monthly Attendance and	
7	13.01.2017	15.01.2017	Pongal Holidays	Syllabus Completion	0 or before $31.01.2017$
	16.01.2017	21.01.2017	06	and student counselling	51.01.2017
8	23.01.2017	28.01.2017	05		
9	30.01.2017	04.02.2017	I - Mid & Online Examinations	Submission of Absentee statement and Result Analysis	On or Before 07.02.2017
10	06.02.2017	11.02.2017	06		
11	13.02.2017	18.02.2017	Two Day TechnicalSymposium	Syllabus Completion	On or before
12	20.02.2017	25.02.2017	05	and student counselling	07.03.2017
13	27.02.2017	04.03.2017	06	and student counsening	
14	06.03.2017	11.03.2017	06	Monthly Attendance and	
15	13.03.2017	18.03.2017	06	Syllabus Completion	On or before
16	20.03.2017	25.03.2017	06	report up to 01.04.2017	04.04.2017
17	27.03.2017	01.04.2017	06	and student counselling	
18	03.04.2017	08.04.2017	II - Mid & Online Examinations	Submission of Absentee statement and Result Analysis	On or Before 10.04.2017
19	10.04.2017	15.04.2017	Practical Examinations	Submission of Lab OMR's & Scripts	On or Before 17.04.2017

20	17.04.2017	29.04.2017	End Examinations	
Submission of all Academic Documents Maintained by Faculty				21.04.2017

Total No. of Working Days: 81

Expected Total No. of Periods per subject: 64

Following is the sample time table of EEE department with curricular and co-curricular activities:

-	3	AVANT DEF II B.TECH-II	HI INSTITU ARTMENT OF SEM(R13) EEE	TE OF ENGINE TAMARAM, MAKAV ELECTRICAL AND BRANCH TIME TAI	EERING AND ARAPALEM ELECTRONICS E BLE FOR THE AC	FECHNOLO ngineering ademic year	GY 2016-17 WFF 21 11 2016		
DAY	1	2	3	4	12.20,01.00	5	6	7	
PRA	09.00-09.50	09.50-10.40	10.40-11.30	11.30-12.20		01.00-01.50	01.50-02.40	02,40-03.30	
MON		EDC/EM-I LAB		PDC(T)	2	CS	EM-II	Internet	
TUE	PDC	CS	EM-II(T)	CS	EAL	PS-I	STLD	SPORTS	
WED	ES	CS	STLD	STLD(T)	BR	PDC	EM-II	PS-I	
THU	STLD	PS-I	Dept. Asso	ciating Meeting	н	EM-II	ES	LIBRARY	
FRI		EM-I/EDC LAB		Counselling/ Remidial Classes	N N	PDC	ES(T)	STLD	
SAT	PS-I	STLD(T)	EM-II	EM-II	-	CS(T)	PDC	ES	
Environmen	ital Studies(ES)	LAKSHMI KANTHA	5		Electrical Machines-II()	EM-II)	M V RAMANA MUR	TY	
Switching T Design(STL	beory & Logic .D)	R GANESH			Control Systems(CS)		K TEJESWARA RAO		
Pulse & Dig	cital Circuits(PDC)	R BHARGAV			Electrical Machines-I Lab		M V RAMANA MURTY/ P VARAHALA DORA		
Power Systems-I(PS-I)		P VARAHAL DORA			Electronic Devices & Circuits Lab		P ASHOK KUMAR/ D RAHUL		
Dept. Association Meeting		T Srinivasa Rao/ M V I	Ramana Murty/ V Sta	ynarayana Murty	Counselling & Remidia	ounselling & Remidial Classes		P Varahala Dora	
Internet		R Ganesh			Sports		K Tejeswam Rao	1	
Library		R Bhargay			2	135			
~		17							

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Head the Department Industry The Department in Department in the State

Following is the sample course information sheet, that was developed and initiated by faculty:

COURSE INFORMATION SHEET

Programme: B.Tech EEE Academ	ic Year:2015-16	Degree: B. Tech II Year
Course: Electrical Machines – II		Semester: II Credits: 3
Course Code: R13202	Regulation:R13	Course Type: Core /Elective / Breadth/S&H

Course Area/Domain: Power Engineering	Contact Hours: 3+1 (Tutorial) Hours/Week.
Corresponding Lab Course Code (If Any): R31027	Lab Course Name: Electrical Machines – II

SYLLABUS:

UNIT	DETAILS	HOURS
Ι	Single Phase Transformers: Types & Construction details, Principle Of Operation Of Single Phase Transformers-Emf Equation - Operation On No Load And On Load – lagging, leading and Unity Power factors loads - Phasor Diagrams of transformers-Equivalent Circuit –Regulation – Losses And Efficiency - Effect Of Variations Of Frequency & Supply Voltage On Iron Losses All Day Efficiency.	15
II	Single Phase Transformers Testing: Test on Single Phase Transformers -OC And SC Tests - Sumpner's Test -Separation Of Losses -Parallel Operation With Equal And Unequal Voltage Ratios - Auto Transformers-Equivalent Circuit - Comparison With Two Winding Transformers.	10
III	Three Phase Transformers: Polyphase Connections - Y/Y , Y/Δ , Δ/Y , Δ/Δ And Open Δ Third Harmonics In Phase Voltages-Three Winding Transformers - Determination Of Zp, Zs And Zt Transients In Switching - Off Load And On Load Tap Changers Scott Connection.	8
IV	3-Phase Induction Motors: Construction Details Of Cage And Wound Rotor Machines-Production Of A Rotating Magnetic Field - Principle Of Operation - Rotor Emf And Rotor Frequency - Rotor Current And Pf At Standstill And During Running Conditions -Rotor Power Input, Rotor Copper Loss And Mechanical Power Developed And Their Inter Relationship-equivalent circuit – Phasor diagrams	10
V	Characteristics, Staring and testing methods Of Induction Motors: Torque Equation- Expressions For Maximum Torque And Starting Torque - Torque Slip Characteristic -Double Cage And Deep Bar Rotors - Crawling And Cogging- No Load And Blocked Rotor Tests- Circle Diagram For Predetermination Of Performance-Methods Of Starting And Starting Current And Torque Calculations – Induction generator operation	12
VI	Design of Transformer & Three – Phase Induction Motor: Transformer: Design concepts-output equations-choice of windings-calculation of number of turns-length of mean turn of winding-calculation of resistance and leakage reactance. Three Phase Induction Motor:Design Concept – choice of specific electric and magnetic loadings – output equation – stator design - number of slots – conductor dimensions – type of winding – number of rotor slots – conductor dimensions	10
	TOTAL HOURS	65

TEXT/REFERENCE BOOKS:

NAME

1	Electrical Machines By J.B. Guptha, S.K. Kataria& Sons
-	
2	Electrical Machines By D.P.Kothari, I.I. Nagarath, Mc Graw Hill Publications, 4 th Edition
2	Electrical Machines By D.1 Kothan, 1.J. Nagarath, Mc Oraw IIII I ubications, 4 Europh
3	Electrical Machines By R.K. Rajput, Lakshmi Publications, fifth edition
4	Electrical Machine Design By Sawhney, Dhanpath Rai Publications.
5	Electrical Machines By smarajit Ghosh, Pearson Publications

COURSE PRE-REQUISITES:

C.CODE	COURSE NAME	DESCRIPTION	SEM
R21029	Electro Magnetic Fields	Field Theory	II-I

COURSE OBJECTIVES:

1	Appreciate the concept of operation and performance of Single-Phase Transformers
2	Understand the methods of testing of Single-Phase Transformers
3	Distinguish between Single-Phase and Three-Phase Transformers
4	Understand the concept of operation and performance of Three-Phase Induction Motor
5	Appreciate the relation between torque and slip, performance of induction motor and induction generator
6	Understand the basic concepts of design of transformers and Three-Phase Induction Motors

COURSE OUTCOMES:

S.NO	DESCRIPTION
1	Able to explain the operation and performance of single phase transformer
2	Able to explain the regulation and efficiency of single phase transformer
3	Able to explain types of three phase transformer connection, tap changing methods and three phase to two phase transformation
4	Able to explain the operation and performance of three phase induction motor
5	Able to analyze the torque-speed relation, performance of induction motor and induction generator
6	Able to explain design procedure for transformers and three phase induction motor

GAPS IN THE SYLLABUS - TO MEET INDUSTRY/PROFESSION REQUIREMENTS:

SNO	DESCRIPTION	PROPOSED
		ACTIONS
1	Synchronous Induction Motor	Lecture By an Expert
2	Separation Of Losses In The Induction Motor Using No-Load & Blocked Rotor	Lecture By an Expert

	Tests	
3	Speed Control of Three-Phase Induction Motor	NPTEL Video

PROPOSED ACTIONS: TOPICS BEYOND SYLLABUS/ASSIGNMENT/INDUSTRY VISIT/GUEST LECTURER/NPTEL ETC

TOPICS BEYOND SYLLABUS/ADVANCED TOPICS/DESIGN:

1	Vector Identification In Three Phase Transformers Using Clock Notation
2	Effect On 3 rd Harmonic On Transformer Operation
WED	SOLDCE DEFEDENCES.

WEB SOURCE REFERENCES:

1	nptel.ac.in/courses/IIT-MADRAS/Electrical_Machines_II/pdf/1_7.pdf
2	nptel.ac.in/courses/IIT-MADRAS/Electrical_Machines_I/pdfs/1_7.pdf

DELIVERY/INSTRUCTIONAL METHODOLOGIES:

☑ Chalk & Talk	Stud. Assignment	☑ Web Resources	
□Lcd/Smart Boards	ØStud. Seminars	Add-On Courses	

ASSESSMENT METHODOLOGIES-DIRECT

Assignments	☑ Stud. Seminars	Tests/Model Exams	☑Univ. Examination
□ Stud. Lab Practices	⊠Stud. Viva	Mini/Major Projects	
☑Add-On Courses			□ Others

ASSESSMENT METHODOLOGIES-INDIRECT

□ Assessment Of Course Outcomes (By Feedback, Once)

☑ Student Feedback On Faculty (Twice)

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

At AIET the faculty gets full support to improve their teaching practices by encouraging them to participate in FDPs, Orientation/ Refresher Courses/ Workshops/ Seminars organized by the affiliating university for effectively translating the curriculum designed and revised by the JNTU, Kakinada. The Proposals of the events shall be sent to the

university authorities to keep the information in the university website as scrolling message such that all the affiliated colleges also be aware of the developments/events and in turn they also can participate in the events.

Faculty attended for the various National/ International Conferences/ Workshops Organized by JNTU, Kakinada

	Academic Year: 2014-2015				
Sri S	Two-Day Faculty Development programme in "	Kakinada	$25^{\text{th}} - 27^{\text{th}}$		
Subrahmanya	Engineering Mechanics" organized by the		May, 2015		
m	Directorate of Faculty Development JNTUK,				
	Kakinada				
Sri P Anil	Two- Day National Workshop organized under	Kakinada	13 th -14 th		
Kumar	TEQIP II on "Recent Advances in Power and		March,		
	Industrial Drives(RAPID-2k15), JNTUK		2015		
Sri N Swaroop	Participated in Faculty development programme	Kakinada	27 th -31 st		
	on Research Challenges and Issues in Big data		March,		
	and Cloud computing organized by the JNTUK		2015		
Sri V Ram	Participated in Faculty development programme	Kakinada	27 th -31 st		
Prasad	on Research Challenges and Issues in Big data		March,		
	and Cloud computing organized by the JNTUK		2015		
Dr C P V N J	Participated in Faculty development programme	Kakinada	27 th -31 st		
Mohan Rao	on Research Challenges and Issues in Big data		March,		
	and Cloud computing organized by the JNTUK		2015		
Sri V	Participated in Faculty development Programme	Kakinada	2^{nd} - 5^{th} sept,.		
HariKiran	in "Engineering Drawing" organized by the		2014		
	Directorate of Faculty Development, JNTUK,				
	Kakinada				
	Academic Year: 2015-16	1	1		
K S	Participated in Two day national level workshop	JNTUK,Vi	28-29 th		
Subrahmanya	on "Fog Computing and Internet of things"	zianagaram	March,		
m	organized by JNTUK university college of		2016		
	engineering, Vizianagaram				
V Suneetha	Participated in Two day national level workshop	JNTUK,Vi	28-29 th		
	on "Fog Computing and Internet of things"	zianagaram	March,		
	organized by JNTUK university college of		2016		
	engineering, Vizianagaram				
	Academic Year: 2016-2017				
	Attended "A Two Day Workshop on	INTLIK	$29^{\text{th}}-30^{\text{th}}$		
K Krishna	Manufacturing of Advanced Materials"	Kakinada	Spetember,		
	organized by JNTU, Kakinada	Kakinada	2016		
	Attended "A Two Day Workshop on	INITLIK	29 th -30 th		
B Ramesh	Manufacturing of Advanced Materials"	Kakinada	Spetember,		
	organized by JNTU, Kakinada	Nakillaua	2016		
P Anil Kumar	Five Days workshop on "Trends In Power	JNTU,	08^{th} - 12^{th}		

	System Protection and Control" organized by	Vizianagar	August,
	JNTU Engineering College	am	2016
	Five Days workshop on "Trends In Power	JNTU,	08 th -12 th
K Durga Rao	System Protection and Control" organized by	Vizianagar	August,
-	JNTU Engineering College	am	2016

AIET believes in implementing the ICT (Information & Communication Technology) methods in teaching. To ensure Staff to change their traditional teaching practice and motivate them to switch over to use modern teaching aids, LCD projectors, white boards instead of black boards in the class rooms.

The Institute subscribes to various online resources like IEEEXploreand DELNET etc. Faculty are encouraged to use the above online resources along with NPTEL videos and other software and simulation tools for a creative and continuous teaching learning environment. Faculty members are also encouraged to publish research papers in various reputed journals, participate in international and national seminars, conferences, workshops and FDPs.

Faculty attended for the Various Nati	ional/ International Conferences	/ Workshops
---------------------------------------	----------------------------------	-------------

	Academic Year: 2013 – 2014				
Name of the	National Seminar/workshop	Place	Duration		
Faculty					
T Srinivasa	AICTE Sponsored Faculty Development	Visakhapat	$4^{\text{th}} - 16^{\text{th}}$		
Rao	Program (FDP) On Neural Networks, Fuzzy	nam	November,		
	Systems & their applications to Electrical		2014		
	Engineering Organized by Department of				
	Electrical & Electronics Engineering.				
	GayatriVidyaParishad College of Engineering				
	(Autonomous)				
ChVenkat Rao	AICTE Sponsored Faculty Development	Visakhapat	$4^{\text{th}} - 16^{\text{th}}$		
	Program (FDP) On Neural Networks, Fuzzy	nam	November,		
	Systems & their applications to Electrical		2014		
	Engineering Organized by Department of				
	Electrical & Electronics Engineering.				
	GayatriVidyaParishad College of Engineering				
	(Autonomous)				
P Anil Kumar	AICTE Sponsored Faculty Development	Visakhapat	$4^{\text{th}}-16^{\text{th}}$		
	Program (FDP) On Neural Networks, Fuzzy	nam	November,		
	Systems & their applications to Electrical		2014		
	Engineering Organized by Department of				

	Electrical & Electronics Engineering.		
	(Autonomous)		
	Academic Year: 2014-2015		
Sri S Subrahmanya m	Two-Day Faculty Development programme in " Engineering Mechanics" organized by the Directorate of Faculty Development JNTUK, Kakinada	Kakinada	25 th – 27 th May, 2015
Sri T Srinivasa Rao	Participated in Continuing Education Pragrame on Contemporary applications of control engineering in electrical engineering, AU college of engineering, Andhra University	Visakhapat nam	25 th -29 th April, 2015
Sri P Anil Kumar	Two- Day National Workshop organized under TEQIP II on "Recent Advances in Power and Industrial Drives(RAPID-2k15), JNTUK	Kakinada	13 th -14 th March, 2015
Sri N V Ashok Kumar	Participated in 40 Hours of Professional development for the Data Base Design and Programming with SQL	Visakhapat nam	27 th May, 2015
Sri N Swaroop	Participated in Faculty development programme on Research Challenges and Issues in Big data and Cloud computing organized by the JNTUK	Kakinada	27 th -31 st March, 2015
Sri V Ram Prasad	Participated in Faculty development programme on Research Challenges and Issues in Big data and Cloud computing organized by the JNTUK	Kakinada	27 th -31 st March, 2015
Dr C P V N J Mohan Rao	Participated in Faculty development programme on Research Challenges and Issues in Big data and Cloud computing organized by the JNTUK	Kakinada	27 th -31 st March, 2015
Sri R Prasada Rao	Two-Day workshop on Research Methodologies organized by the GITAM Institute of Technology	Visakhapat nam	6 th -7 th March, 2015
Sri V HariKiran	Participated in Faculty development Programme in "Engineering Drawing" organized by the Directorate of Faculty Development, JNTUK, Kakinada	Kakinada	2 nd -5 th sept,. 2014
	Academic Year: 2015-16		
All the Faculty Members	Faculty development programme conducted on " Teaching Methodologies" organized by the Avanthi Institute of Engineering & Technology, Narsipatnam	Narsipatna m	18 th March, 2016
G BalaMurali Krishna	Participated Faculty development Programme conducted on "Engineering drawing Concepts" porganized by Chaitanya Engineering College	Visakhapat nam	6 th oct, 2015
E Govinda	Participated Faculty Development Programme Conducted on "NPTEL Awareness Workshop" organized by GITAM University in Coordination with IIT Madras	Visakhapat nam	15 th Feb, 2016

R Prasad Rao	Short term course on "Design & Analysis of	IIT,	23-27 th Feb,
	efficient antennas and guided systems"	Kharaghpu	2016
	conducted by IIT Kharaghpur	r	
P Ashok	Five day short term training on "Programme on	NIT,	26-30 th
Kumar	Embedded System" organized by NIT, Warangal	Warangal	March,
		_	2016
K S	Participated in Two day national level workshop	JNTUK,Vi	28-29 th
Subrahmanya	on "Fog Computing and Internet of things"	zianagaram	March,
m	organized by JNTUK university college of		2016
	engineering, Vizianagaram		
V Suneetha	Participated in Two day national level workshop	JNTUK,Vi	28-29 th
	on "Fog Computing and Internet of things"	zianagaram	March,
	organized by JNTUK university college of		2016
	engineering, Vizianagaram		
	Attended "Workshop on "Recent trends in		03^{rd} - 5^{th}
T.Srnivasa Rao	Power Electronics for smart Grid And Electrical	IIT Patna	March,
	Drives		2016
	Attended "A Two Day National Workshop On		22^{nd} and
P Anil Kumar	Applications of Soft Computing in Electrical	Visakhapat	23 rd
1 / unit Kumut	Engineering" organized by Dadi Institute of	nam	December
	Engineering and Technology		2015
	Academic Year: 2016-2017	1	
P Ashok	Attended "A One Week National Level	VIIT,	5 th -10 th
Kumar	workshop on Wireless Communications & Their	Visakhapat	December,
	Applications"	nam	2016
S V Sudheer	Attended "A One Week National Level	VIIT,	5^{th} -10 th
Kumar	workshop on Wireless Communications & Their	Visakhapat	December,
	Applications"	nam	2016
K V N S Rama	Attended "A Two Day Workshop on NWFFCM-	Visakhapat	$16^{\text{m}} \& 17^{\text{m}}$
Krishna	2016" organized by Indian Institute of Metals	nam	September,
	Visakhapatnam Chapter		2016
	Attended "A Two Day Workshop on NWFFCM-	Visakhapat	$16^{\text{m}} \& 17^{\text{m}}$
V Hari Kiran	2016" organized by Indian Institute of Metals	nam	September,
	Visakhapatnam Chapter		2016
xx xx · 1	Attended " A Two Day Workshop on	JNTUK.	29 ^m -30 ^m
K Krishna	Manufacturing of Advanced Materials"	Kakinada	Spetember,
	organized by JNTU, Kakinada		2016
	Attended " A Iwo Day Workshop on	JNTUK,	29 ^m -30 ^m
B Ramesh	Manufacturing of Advanced Materials"	Kakinada	Spetember,
	organized by JNTU, Kakinada		2016
D A 1 17	Five Days workshop on "Irends In Power	JNIU,	08-12
P Anil Kumar	System Protection and Control [®] organized by	Vizianagar	August,
	JN1U Engineering College	am	2010
K Durge Dee	Five Days worksnop on Trends In Power	JINIU,	08 ⁻¹²
K Durga Kao	System Protection and Control" organized by	vizianagar	August,
	JNIU Engineering College	am	2016

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 institution is making special efforts for the professional development of its faculty to facilitate effective curriculum delivery by following means:

At the beginning of the Semester detailed course files were prepared by the faculty for the subject allotted to them. The following are the contents in the course file:

Part-I

- Syllabus
- Course Objectives, Course Outcomes
- Mapping onto PEO & PO
- Model Lesson Plan
- Lecture notes
- OHP/LCD Sheets/CDs
- University question papers
- Internal Question Papers with key
- Assignment Topics
- Tutorial Sheets
- Unit wise-Question Bank
- Gaps & Plans for Add-on programs
- Topics beyond Syllabus-References
- Result Analysis, Remedial/Corrective Action
- Learning Outcome Assessment, Mapping onto PO

Part-II

- Lesson Plan, Time Table
- Teacher Log Book/ Attendance Register
- Daily Delivery Recording
- Continuous Evaluation-Marks (Tests, Assignments etc)
- Sample Answer Sheets (of Test Papers)

- Sample Assignment Sheets
- Record of Tutorial Classes
- Record of Remedial Classes
- Makeup Tests
- Guest Lecturers Conducted
- Details of Add-on Programs
 - The teacher diaries are verified by the Head of the department and the principal once in a month will verify the syllabus coverage and teaching schedules so that curriculum delivered effectively.
 - > A sample syllabus coverage report is shown below:



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY TAMARAM, MAKAVARAPALEM

SYLLABUS COVERAGE MONITORING ACADEMIC YEAR: 2015-16 SEMESTER: I CLASS: IV B.TEC			B.TECH EEE		DEPARTMENT OF EEE DATE: 08.08.2015		
S.No	Subject Name	Faculty Name	No. of Units to be Completed	No. of Units Completed	No. of Classes taken	No. of Extra Classes Required	Faculty Sign.
1	Computer Organization(CO)	K. Vara Prasad	2 units	conits complehed	16	-	Febras 5
2	High Voltage Engineering(HVE)	D K A S Prasad	2 limits	1 Linit completed 2 unit running	18	04	81
3	Switch Gear & Protection(SGP)	T Srinivasa Rao	2 units	1 cent Completed	16	02	Mon
4	Power System Operation & Control(PSOC)	P Anil Kumar	2 units	1th cent Completed Indunit Running	16	03	J. Anil Remar
5	Electrical Distribution Systems(EDS)	G Raja Sekhar Yadav	2 units	2 units condeted	18	-	ð.
6	Instrumentation(INSTR.)	R Bhargav	2 units	2. units completed	18	-	R. Burgan.
7	Electrical Simulation Lab	G Raja Sekhar Yadav	4 successionents	3 experiments	12	3	Ð.
8	MP & MC Lab	Ch V Sri devi	4 experiments Completed	3 experiments Completed	12.	3	Ch. b Seider

HEAD OF THE DEPARTMENT Electrical & Electronics Engineering WANTH INSTITUTE OF EXEMPLETING & TECHNOLOGY Tamaram, Makavarepalem. Narsipatnam Revenue Division VISARHAPATNAM OBL - 531 113

PRINCIPAI of Engg, & Technology Avanthi Inst Tamaran, Makavavapalem Md., Visakhapatnam District

- Modern teaching aids are available to the faculty (LCD Projectors, Internet/Wi-Fi, Seminar Halls etc.) as part of the respective department resources.
- Seminars and workshops are organized by the departments to increase the technical skills of the students.
- Frequent industrial visits are arranged to industries to provide practical exposure to the students on the subjects of curriculum.
- Faculty members prepare lab manuals for the courses as prescribed by the university to conduct in the laboratory and also additional experiments are added to make the students understand the concepts easily.

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?

Each department has an advisory committee consisting of eminent academicians and industry experts to guide the effective operationalization of the departmental activity. Periodic meetings are being conducted, inputs are taken into consideration and plans are being proposed for effective content delivery. The committee members help the department to identify for suitable industry experts from research bodies to suit to the requirements of the department time to time.

Industry:

- The college has set up a Career guidance and Placement cell which maintains professional relations with the representatives of industry. The HR Managers of various companies are invited to the college campus to interact with the students.
- The students of various departments of the college are taken for industrial visits from time to time to keep them abreast of the latest developments in the market.

CRT	Training	Course(OMEGA	Career	Solutions)	offered	to	the	III	B.Tech	students	in
addit	ion to JN7	ГU curriculum									

APTITUDE								
Arithmetic	Ratio and proportion	Logical Learning	Number series	Verbal Ability	Spotting Errors			
	Problems on ages		Letter series		Sentence Improvement			
	Percentages		Coding & Decoding		Jumbled Sentences			
	profit & loss		Cubes & Dices		Reading Comprehension			
	Partnership		Direction Sense		Tenses			
	Number system		Seating Arrangements		Vocabulary			
	GCD & LCM		Blood relations					
	Averages & Mixtures		Time sequencing & Ranking					
	Time & Work		Deductions					

	Time & Distance Problems on Trains, races, Boats& Streams Mensuration Simple Interest & Compound Interest Data Interpretation Data Sufficiency Permutation & Combinations		Logical connectives Analytical Puzzles Non-Verbal Binary logic Number Analysis Alphanumeric					
	Probability			-				
SOFT SKILLS								
Resume Preparation			JAM Sessions					
Group Discussion			Interview Skills					

Research Bodies:

- To keep the research activities alive in the campus the faculty members of the college are also motivated to take up research. Faculty members of their own also keep on interacting with various research bodies and participate in various research projects.
- Some of the faculty members being a member of the professional bodies like IETE, ISTE, IEI and CSI, attend the conferences which in turn help them in better curriculum delivery.

University:

- The faculty members of the college keep regularly in touch with their counter parts at the affiliating university and get latest information regarding their own respective subjects. They keep on visiting the affliating university time to time to keep themselves abreast of the latest trends in their field of study.
- Further, Professors from the parent university campus are also invited to the college time to time to give seminars and talk to the faculty members.

- 1.1.6 What are the contributions of the institution and/ or its staff members to the development of the curriculum by the University? (Number of staff members/ departments represented on the Board of studies, student feedback, teacher feedback, stakeholder feed provided, specific suggestions etc.
 - Although the college is following the syllabus as prescribed by the JNT University, Kakinada to which AIET is affiliated, the Heads of the college and departments are allowed to give the suggestions and updates while preparing the curriculum.
 - Feedback from stakeholders like exit students, Alumni, Parents, Industry are taken by faculty and assessed by the college academic committee. Based on the assessment, the Heads of the college are allowed to give the suggestions and updates while preparing the curriculum.
 - The affiliating university, JNTUK revises the syllabus every two years. They invite suggestions/opinions of the senior faculty working in affiliated colleges also. AIET make use of the opportunities and convey the ideas to the respective Chairman, BOS.
- 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.

All the customized trainings provided to students in addition to the university syllabus is framed internally considering the student requirements. Some trainings are conducted internally and other were given to the external experts.

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



- All the academic programs curriculum developed by the University are implemented by the concern faculty by stating the course objective and outcomes to the students
- Teaching plans are prepared by individual teachers for the subjects they are handling, including the labs within the ambit of the academic schedule. The academic schedule is strictly followed as per the Academic Calendar.
- Detailed course files are prepared by the faculty which includes teaching material, PPT slides, unit wise question bank, assignment questions, result analysis, lesson plan, time table, missing topics and material of content beyond syllabus, Mid Examination question papers with key.
- > The progress of syllabus coverage is monitored periodically at various levels.
- Meetings of Class Representative Committee members is held by the Head of the Department to review the teaching learning process periodically and remedial

measures are taken if necessary.

- > Periodical feedback is obtained from the students on aspects of teaching-learning.
- Regular feedback is taken from all the stake holders such as the employers, alumni, parents, students and media reports to assess the extent to which the Program Objectives are met
- Based on the assessment of feedback from various stakeholders, placements, higher studies the curriculum is strengthened by adding topics beyond syllabus, additional experiments, workshops and Guest lectures in the curriculum to meet the stated objectives by the important bodies of the institute such as academic committees.

A sample feedback form to assess the student outcome is shown below:

ASSESSMENT OF LEARNING OUTCOMES FOR SUBJECT

'ELECTRICAL MACHINES - II'

CAY : 2014-15	SEM : □ODD □EVEN	Date :
SUBJECT	ELECTRICAL MACHINES – II	Year : ⊟I□II⊟III ─IIV
FACULTY		

CAY: CURRENT ACADEMIC YEAR

SEPECIFIED LEARNING OUTCOMES FOR SUBJECT – 'ELECTRICAL MACHINES-II'

- 1) Able to explain the operation and performance of single phase transformer
- 2) Able to explain the regulation and efficiency of single phase transformer
- 3) Able to explain types of three phase transformer connection, tap changing methods and three phase to two phase transformation
- 4) Able to explain the operation and performance of three phase induction motor
- 5) Able to analyze the torque-speed relation, performance of induction motor and induction generator
- 6) Able to explain design procedure for transformers and three phase induction motor

Please evaluate on the following Scale:

		Excellent(E)	Good(G)	Average(A)	Poor(P)	Co	No mment(NC)	
		5	4	3	2		1	
SNO	QI	JESTIONAIRE	E G A P NC 5 4 3 2 1					
GENERAL OBJECTIVES:								
1)	Have you understand the concept of operation and performance of Single-Phase Transformers							
2)	Have you understand the methods of testing of Single-Phase Transformers							
3)	Have you understand the difference between Single-Phase and Three – Phase Transformers							
4)	Ha	ve you under	stand the	concept of o	peration	and		
	performance of Three-Phase Induction Motor							
------	---	--						
5)	Have you understand the relation between torque and slip,							
	performance of induction motor and induction generator							
6)	Have you Understand the basic concepts of design of							
	transformers and Three-Phase Induction Motors							
SPEC	IFIC LEARNING OUTCOMES:							
7)	Are you able to explain the Operation and Performance of							
	Single Phase Transformer							
8)	Are you able to explain the Regulation and Efficiency of							
	single phase transformer							
9)	Are you able explain types of Three-Phase Transformer							
	connection, tap changing methods and Three phase to Two							
	Phase Transformation							
10)	Are you able to explain the operation and Performance of							
	Three – Phase Induction Motor							
11)	Are you able analyze the Torque-Speed relation, Performance							
	of Induction Motor and Induction Generator							
12)	Are you able explain design procedure for Transformers and							
	Three Phase Induction Motor							

Course Learning Outcomes Assessment from Feedback for Electrical Machines – II(2014-15):

	7	8	9	10	11	12
5 Point	3	3	4	3	4	4
Scale						

Course Learning Outcomes Assessment from Subject Result (Electrical Machines – II):74.2%

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

No, the college does not provide any certificate/ diploma courses for skill development

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

No, the college does not offer 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 flexibility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:
 - Range of core/ elective options offered by the university and those opted by the college
 - Choice based credit system and range of subject options
 - Courses offered in modular form
 - Credit transfer and accumulation facility
 - Lateral and vertical mobility within and across programmes and courses
 - Enrichment courses

The College is affiliated to JNTUK and follows the curriculum and syllabus of the University. Every programme has a curriculum comprising of both theory and practical courses with well definedsyllabi. There are certain minimum number of core courses and sufficient number of elective courses to be opted by the students.

Core Options:

Branch	No. of Core options
CSE	24
ECE	23
EEE	21
MECH	24
M.Tech (CSE)	10
M.Tech (DECS)	8
M.Tech(VLSI)	8
M.Tech(PE)	9
M.Tech(PS)	9
MBA	24

Elective Options:

This aspect of offering elective options is inbuilt in the syllabus itself. The students have

the option in the open category to choose electives suggested in the syllabus. The electives can be chosen at the 3rd and 4th year level. Similarly the students have the option in branch specialization category to choose electives suggested in the syllabus. Different Electives are offered at PG level, differently for each P.G. course

Branch	No of Electives				
	Open	Elective – I	Elective –	Elective –	Elective -
	Elective		Π	III	IV
CSE	4	5	5	5	5
ECE	3	5	5	5	5
EEE	4	3	3	3	3
MECH	2	4	4	4	4
MBA		4	4	4	4
M.Tech (PE)		2	2	2	
M.Tech(PS)		2	2	2	
M.Tech (CSE)		4	4		
M.Tech(DECS)		2	2	2	
M.Tech (VLSI)		2	2	2	2

Choice based credit system and range of subject selection

The university offers 208 credits and every student must get 200 credits for the award of the degree.

Range of Subject Selection for UG – ECE Course



Courses offered in modular Form:

Courses are provided unit wise and are arranged in the modular form at department level by academic committees comprising of HOD's, Faculty and Principal. The modules so arranged are also used for testing the students in the exams, (1st MID, 2nd MID and Special tests).

Some courses such as Electrical Machines etc. are divided and taught over multiple semester.

Credit transfer and accumulation facility: No

Lateral and vertical mobility within and across programmes and courses

- As per the university norms the Engineering course structure has provision for lateral mobility in the programme. Students who qualified in ECET can seek admission into the second year of under graduate courses directly
- As per the university norms the Engineering course structure has no provision for vertical mobility in the programme.

Enrichment Courses

> The existing courses are enriched by preparing the students to design small

projects and presentations related to theory work.

> Additional lectures by the experts are also organized time to time to update the

knowledge of our students.

> Two day workshops on advanced concepts/ technologies are organized

frequently to update the students towards latest trends of their specialization.

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

The college is a self-financing institution and offers all programmes that are self-financed only and are approved by the AICTE, New Delhi and affiliating University JNTU, Kakinada

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

Yes,

The following specific programs are organized in the departments, besides adding additional contents to some of the individual subjects to enhance the skills of the students

- Soft skill development programs
- > Quantitative, Logical and Analytical skill development program
- Computer based skill development programs.
- Campus Connect program Infosys
- Value added courses in core areas
- > Workshops
- ➢ Seminars
- ➢ Conferences
- ➢ Expert lectures
- Extension lectures
- Industrial training and Industrial tours
- Design projects.
- Industry oriented projects.
- **1.2.6** Does the university provide for the flexibility of combining the conventional face-toface 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 allow the flexibility of combining conventional face to face and distance mode of education.

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 institutions's goals and objectives are integrated?

The college makes every effort to supplement the curriculum of the University to ensure that the college goals and objectives are met. To face the current trends in competitive areas the institute has evolved additional inputs in the syllabi. Additional Laboratory experiments have been included in lab courses apart from curriculum to enrich the student's practical knowledge and skill base.

To make up any deficiencies, the college supplements the university's curriculum by imparting special courses like Personality Development, Campus Recruitment Training, Soft and Communication Skills training to succeed in campus interviews conducted by various companies.

And also the Institute encourages the faculty and students to use online resources like IEEEXplore, DELNET, NPTEL lectures and simulation software to improve their learning and research skills. Subjects are not having regular lab practices can be performed in the labs for basic analysis by using software tools.

Programme	No. of Topics beyond syllabus
UG ECE	39
UG CSE	36
UG EEE	33
UG MECH	36

Topics Beyond Syllabus:

The following are the sample topics beyond Syllabus:

- I. Subject: Electrical Circuit Analysis-I(I B.Tech- I Sem EEE)
 - 1. Filters & Attenuators
 - 2. Fundamentals of PSPICE Applications in Electrical Circuit Analysis
- II. Subject: Thermal & Hydro Prime Movers (II B.Tech I Sem EEE)
 - 1. Computational Fluid Mechanics
 - 2. Dimensional Analysis

III. Subject: Electrical Machines –I (II B.Tech – I Sem EEE)

- 1. Special machine like servo, reluctance and universal motors
- 2. Cross-field generators: Amplidynes, Rototrol for industrial applications
- 3. Rogenberg generators used in Railway

Additional Experiments:

Programme	No. of Additional Experiments
UG ECE	22
UG CSE	23
UG EEE	22
UG MECH	20

The following are the list of Additional Experiments from Electrical Labs:

S. No	Name of the Lab	Additional Experiments
1	Electronic Devices &	1. Series voltage regulator
	Circuits Lab	2. Shunt voltage regulator
		3. Bridge rectifier
2	FM & HM Lab	1. Verification of Bernoulies Equation
		2. Finding VienaContracta
3	Electrical Machines – I	1. Ward – Leonard system of speed control of
	Lab	DC Separately Excited Motor.
		2. Starting of a 5 HP 240V DC motor with a
		three-step resistance starter Using
		MATLAB/SIMULINK.
4	Electrical Circuits Lab	1. Time response of 1 st order systems
		2. Determination of form – factor of a non –
		sinusoidal waveform
5	Electrical Machines –	1. Separation of no-load losses on three phase
	II Lab	induction motor.
		2. Synchronization of three – phase alternators
6	Control Systems Lab	1. Time response of second order system using
		MATLAB

		2. Steady-State response of Single - Area	
		Isolated Power System using Using	
		MATLAB/SIMULINK	
7	Power Electronics Lab	1. Speed control of AC motor using three -	
		phase AC voltage controller	
		2. Three phase fully controlled bridge converter	
		with R, RL & Motor Loads.	
8	Electrical	1. Measurement of parameters of a choke coil	
	Measurements Lab	by 3 voltmeter & 3 – Ammeter method.	
		2. Calibration of dynamometer power factor	
		mater	
9	Microprocessors &	1. Factorial of a given number	
	Microcontrollers Lab	2. String is a palindrome or not	
		3. Average of two temperatures	
10	Electrical Simulation	1. PSPICE simulation of single Phase	
	Lab	Cycloconverter	
		2. Plotting the JFET characteristics using	
		PSPICE.	

List of Expert Lectures organized by the Institution:

S. No	Name of the Resource Person/ Organization	Name of the Program	Dates		
	2015-16				
1	Sri J.Satyanarayana I.A.S Advisor,IT,Govt.of Andhra Pradesh. Sri. Adapa Raja suresh Kumar Founder &CEO,Synchroserve Global Solutions Pvt.Ltd.Hyd.	Future Challenges in IT and Skill Development	6-10-2015		
2	Sri M.Srikanth National Head Academy of Robotics	Two days workshop on Robotics and embedded systems	16 th to 17 th Oct 2015		
3	Prof M LSai Kumar, Professor, PGDM Co- ordinator	Faculty development programme on " Teaching Methodologies"	18thy March, 2016		
4	Prof MadhuMutyam	Delivered Lecture on "Layered Computer Design"	12-13 th March, 2016		
5	Prof K Naga raju, Vice Precident, ANRAK Aluminum Limited	Delivered Lecture on "Material Management"	12-13 th March, 2016		
6	Prof M BangaruBabu, NIT Warangal	Delivered Lecture on "Heat Transfer and Thermal Engineering –Applications in Industry and Project	12-13 th March, 2016		

		management"			
7	M.VenkataRatnam, Scientific officer H, BARC	Delivered lecture on "Overhead Transmission Systems"	12-13 th March, 2016		
8	Prof.Jayantha Pal, IIT Khargpur	Delivered lecture on "Model order reduction and Genetic Algorithm"	12-13 th March, 2016		
	2014-15				
1	Sri Rayaprolu S.S Sarma Head Virtusa,Hyd	Career Opportunities	13-02- 2015		
2	Dr .M Laxminarayana Scinetist'H',DLRL&ViceChairman,IEEEHyd Section	Future Challenges in Military and Role of DLRL	14-02- 2015		
3.	Sri T.Vasudeva Rao Head, Startup Village,Visakhapatnam	How to start SSI unit, general & financial aspects of SSI, Salient futures of project report	14-02- 2015		
4.	Sri Narendra Nerla Vice President,Inspire Edge IT Solutions,VSP	Future Challenges in IT and Skill Development	14-02- 2015		
	2013-14				
1	Sri S.SURYA Shankar,DGM(Telecom) Visakhapatnam Steel Plant	Career Opportunities in BSNL	5-04-2014		
2	Sri K srinivasa Rao Div.Manager(Lines) APTRANSCO,Kalpaka	Career Opportunities in APTRANSCO	5-04-2014		
3	Sri N Rajesh Group Head(Enterprise Marketing) Miracle Software systems	Historical background to Indian values entrepreneurship in the present scenario	5-04-2014		
4	Sri M Prasad Sr.DGM(E&I),ANRAK,Makavarapalem	Career Opportunities	4-04-2014		
5	Sri K Ajay AssociatevVice- President,ANRAK,Makavarapalem	Career Opportunities	4-04-2014		
	2012-13				
1	Mr. Abraham Vergheese, Scientist-F, NSTL, Visakhapatnam	Enterprenincial oriented programme	22-03- 2013		
2.	Mr. K. Veeru Naidu, TCS, Hyd	Career Opportunities	22-03- 2013		

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

The college strictly adheres to the syllabus designed by JNTUK but while delivering this syllabus content to the students, our faculty enrich it with their own expertise and experience so that the students also gain employable qualities that enable them get jobs in this highly competitive world.

The training and placement cell of the college regularly interacts with the HR managers of reputed companies and collects first hand information about the demands and expectations of the corporate sector regarding skill set of students. These demands of the companies are then communicated to the feedback committee which in turn formulates add on courses and extra classes which are then conducted to make up the deficiencies in the students to make them employable.

The task of framing of curriculum of the college, as stated earlier, is in the hands of its parent affiliating institution i.e. Jawaharlal Nehru Technological University, Kakinada. The institution can only enrich and organize the curriculum by supplementing it with additional courses so that the students are benefited in the best possible manner.

The institution has taken measures to cater to the global market needs based on the true assessment of strengths and services offered in the campus. To develop the required skills, brainstorming sessions are held for the faculty to design the tools in the areas of Technology, use of computers and providing in-depth knowledge in the respective subjects. Under the guidance of various committees, special training and tailor made orientations are conducted to enable the students to achieve the global standards. As a part of encouraging the students towards enhancement of technical skills Technical workshops are conducted and students are practically trained to prepare working models as per the theme of the workshop. The themes of the best models will be sent to the reputed organizations for further applications and developments of the projects.

Computers, Internet and other advanced technologies are used whenever necessary to improve teaching – learning process. Computer labs are well equipped with latest computers. Internet facility is made available at the library. Computers, LCD Projectors are being used for effective communication and teaching. All graduation courses involve

computer related papers viz., C Programming, IT Workshop to enable the students to get familiar with programming and internet technologies.

Academic No of Year Programs		NAME OF THE AGENCY	DATE
		Soft Skills , Group Discussion & Personal Development-MEDHA. Visakhapatnam	29-09-2015
2015 16	4	IBM-blue MIX technologies. IBM. Hyderabad	29-09-2015
2015-10	4	Soft Skills , Group Discussion & Personal Development.SeniorTrainer.JKC.Hyderabad	30-09-2015,01- 10-2015
		CRT Classes by OMEGA Career Solutions. Hyderabad	August 2015 to Dec, 2015
	4	Globarena -Hyderabad(JNTUK Partner)	Aug 2014-Dec 2014
2014 15		CRT Classes by OMEGA Career Solutions. Hyderabad	July 2014 to Feb 2015
2014-15		Soft Skills , Group Discussion & Personal Development.SeniorTrainer.JKC.Hyderabad	9-09-2014 to 10-09-2014
		IBM-DB2 Workshop by JKC.Hyderabad	12-12-2014 to 13-12-2014
2013-14	3	IBM Worklight by IT Associate.JKC	29-03-2014
		Globarena -Hyderabad(JNTUK Partner)	Sep 2013 to Jan 2014
		Soft Skills , Group Discussion & Personal Development-MEDHA. Visakhapatnam	Aug 2013- Sep 2013

LIST OF INHOUSE TRAINING PROGRAMS CONDUCTED

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

The cross cutting issues like Gender, Climate Change, Environment Education, Human Rights, ICT etc, find an ample space when it comes to applying them positively into the curriculum.

Gender

No discrimination of students in the class rooms and in Labs, particularly for girl students some motivational and encouragement classes are being conducted by women technical experts for further active involvement in the fields of hard engineering aspects.

Environmental Education

- ➤The subject "Environmental Science" is included as part of the curriculum. It is compulsory for all the students, irrespective of any stream, to clear the paper of environment.
- The college also conducts workshops Environmental education where experts from the fields are invited to share and deliver their experiences and knowledge

Human Rights

Every December 10th is celebrated as International Human Rights Day to induce the young minds about Human Rights and consequences of their violations. As a part of NSS the college conducts various programs on Human Rights to provide awareness among students

- Anti ragging awareness program
- Communication Act Awareness program
- ➢ Voters day program,
- Community Service
- ➢ Cyber laws/ IT Act
- Intellectual Property Rights/ Patents

ICT

- > e-learning provision is provided to the staff and students through website.
- Staff rooms are facilitated with computers and Internet.
- College is Providing on line NPTEL video material
- College is conducting Subject Expert webinars
- College is maintaining a data base of objective questions of all courses and used

for conducting online examinations. Students can check his level in each course.

> Development and deploying of events in college web site

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

- Moral and ethical values
- Employable and life skills
- Better career options
- Community orientation

Moral and Ethical values

In order to ensure holistic development of the students, JNTUK has incorporated "Professional Ethics and Morals" into the curriculum. The institute itself has conducted many programmes in association with other organizations to make our students better citizens. As a part of behavioral, attitude, personality, intellectual etc., developments of the students experts talks shall be conducted by the spiritual teachers.

Employable and life skills

To enhance the employability and life skills of the student's community as per the needs and requirements of present industry, various departments are working through various activities in the institute.

- > We encourage the students to train for Internship Programmes in the Industry's.
- Training Program on soft skills
- > Training program on Quantitative Aptitude, Logic and Analytic skills
- Personality Development Programs
- Entrepreneurship Development program
- Workshops on Emerging Technologies



"EXPLORING ENTERPRENEURSHIP OPPORTUNITIES IN ANDHRA PRADESH" Organized by Centre for Entrepreneurship Development JNTUK, Kakinada in Association with AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY Conducted on 10th&11th October, 2014



"A SEMINAR ON FUTURE CHALLENGES IN IT AND SKILL DEVELOPMEN" Organized on 6th October, 2015





Better career options

- The college understands that the need of communication skills is vital for the students for better career options. Therefore the institution arranges Verbal and Written Communication Skills, workshops, Group discussions, mock interviews etc., at regular intervals.
- It is a regular practice of the institution to invite expert resource persons to conduct workshops on the development of communication competence among the students.
- Students are also allotted the different responsibilities in organizing various events and activities such as cultural programmes, competitions, seminars, workshops etc. In this way they improve their team building and organizational skills.
- We provide the special coaching classes for GATE, GRE, TOEFEL, CAT as part of carrier development.

Community orientation

The college has an NSS team which regularly visits surrounding areas and villages where people are provided awareness on various social, moral, ethical principles and ways of life. NSS team of the college participates in community services/development activities like

- Blood donation programs
- Health awareness programs
- ➤ Tree plantation
- Community Service
- Awareness programs on Cash-Less Transactions
- > Safety and secure maintenance of home appliances
- Swatch Bharath

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

The institution has various channels to collect and document responses on curriculum from the stakeholders. Students express their opinion on curriculum through response sheets. Oral responses are also considered. Special formats are used for alumni and parents to register their views during interactive meetings.

The Departmental committee analyses feedback and prepares response chart for future use. The Principal, being the head of the institution is responsible for collecting feedback from different stake holders through periodic meetings. The Principal office will then process and submit the analysis report and present it to the college academic committee. The Principal reviews the analysis reports and initiates interventions.

The teachers collect the exit level feedback from the graduates regarding learning processes after the end of each semester. The inputs are obtained from the stake holders regularly and further used to improvise the overall competency of the students for employability.

Example enumerating the Feedback process

Analysis form of Exit Feedback

CAY:	BATCH:	Date :
PROGRAM		
Optional	Name:	RegNo:

FINAL YEAR STUDENTS – EXIT FEEDBACK

SNO	E	G	A	Р	NC	Yours Comments
	5	4	3	2	1	
PEO 1						
PEO 2						
PEO 3						

PEO 4	

PROGRAM EDUCATIONAL OBJECTIVES: Program educational objectives are broad statements that describe the career and professional accomplishments that the program is preparing graduates to achieve [ABET].

Departments have the following stated program educational objectives:

- **PEO 1:** Graduates will have demonstrated a thorough grounding in the fundamental principles of Basic Sciences, English, other Engineering disciplines, Electrical Engineering Subjects and practices of Computer Science.
- **PEO 2:** Graduates will have undertaken complex problems and developed appropriate technical solutions.

PEO 3: Graduates will be prepared to communicate and work effectively on team based engineering projects and will practise the ethics of their profession consistent with a sense of social responsibility.

PEO4: Graduates will have demonstrated exposure to emerging and modern technologies to succeed in engineering position in various agencies and also pursuit advanced degrees in engineering.

PLEASE ASSESS WHETHER THE OBJECTIVES HAVE BEEN ACHIEVED & LEVEL OF ACHIEVEMENT

Program Outcomes: Program 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 behaviours that students acquire in their matriculation through the program [ABET].

Please assess whether the following program outcomes have been achieved during your studies and the level of achieving the same:

PO	E	G	A	Р	NC	

		4	3	2	1	1
PO:a	an ability to apply knowledge of Mathematics, Science and					
	Engineering					
PO:	an ability to design and conduct experiments, as well as to analyze and					
b	interpret data					
PO:c	an ability to design a system, component or process to meet desired					
	needs					
PO:	an ability to function on multidisciplinary teams					
d						
PO:e	an ability to identify, formulate, and solve engineering problems					
PO:f	an understanding of professional and ethical responsibility					
PO:	an ability to communicate effectively					
g						
PO:	the broad education necessary to understand the impact of engineering					
h	solutions in a global and societal context					
PO:i	a recognition of the need for, and an ability to engage in life-long					
	learning					
PO:j	a knowledge of contemporary issues					
PO:	an ability to use the techniques, skills, and modern engineering tools					
k	necessary for engineering practice					
PO:1	Ability to develop Electrical applications and industry based projects					

Rubrics defined for analysis of the feedback:

- The feedback is collected from the stakeholders on a 5 point scale .
- The percentage allotted for each PEO is calculated and the assessment is made as excellent, good and average.

S .No	Percentage obtained	Assessment
1.	Above 80%	Excellent

2.	79% to 60 %	Good
3.	59 % to 40 %	Average
4.	Below 40%	Fair

Formula for calculating the percentages

$$Percentage = \frac{Total \ no. of \ points \ obtained \ by \ 5 \ point \ scale}{5 \ * \ total \ participated \ in \ survey} * 100$$

Based on the analysis of the Feedback forms following are the corrective measures taken

Corrective measures:

- Counseling the faculty who scored less than 3.5 points on 5 -point scale.
- > Sponsoring for refreshment courses to improve the subject knowledge.
- > Organizing workshops on teaching methodologies / micro-teaching.
- > Arranging specialized lectures by eminent faculty.
- > Making available of E-lectures in the department libraries.

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

The institution has a very clear and transparent way to monitor and evaluate the quality of various enrichment programmes initiated by it. The feedback in the form of interactions, discussions and suggestions is analyzed by a specially constituted committee and report is submitted to the head of the Department. A departmental committee of five experienced faculty members is constituted to monitor and evaluate the efficiency and success of these enrichment programs. This committee meets the Principal from time to time and amends the enrichment programs to meet the desired objectives. The quality of the academic curriculum shall be obtained by adapting quality teaching learning process, transparent evaluation of the exam papers, setting of question papers etc.

The Institution makes sure that the programmes offered in the curriculum include contribution to national development, fostering global competencies among students, inculcating a value system among students, promoting the use of technology and quest for excellence. The College's efforts to ensure that the curriculum bears a thrust on these core values include the initiative for Contribution to national development. The college uses education as the tool for empowering women and through the curriculum it has adopted, it seeks to address the all round development of the students enrolled in the various academic programs it offers.

Example enumerating the Feedback process Analysis form of Employer/Vendor

FEEDBACK – EMPLOYER/VENDOR

:

:

·

- a) Name of the Organization
- b) Name of the Officer and Designation
- c) Name of the Employee
- d) Please provide your comments on the following:

1.	Performance of the staff	Exc	cellent	Good	Average	Fair
2.	Technical Skills	Exc	cellent	Good	Average	Fair
3.	Attitude	Exc	cellent	Good	Average	Fair
4.	Interpersonal Skills	Excellent	Good	Averag	ge Fair	
5.	Passion for Growth	Excellent	Good	Averag	ge Fair	

e) Would you like to consider our students for future employment: Yes/No.

f) What are your advices for further improvements on our candidates?

g). **PROGRAM EDUCATIONAL OBJECTIVES**: Program educational objectives are broad statements that describe the career and professional accomplishments that the program is preparing graduates to achieve [ABET]. *Departments have the following stated program educational objectives:*

PEO 1: Graduates will have demonstrated a thorough grounding in the fundamental principles of Basic Sciences, English, other Engineering disciplines, Electrical Engineering Subjects and practices of Computer Science.

PEO 2: Graduates will have undertaken complex problems and developed appropriate technical solutions.

PEO 3: Graduates will be prepared to communicate and work effectively on team based engineering projects and will practice the ethics of their profession consistent with a sense of social responsibility.

PEO4: Graduates will have demonstrated exposure to emerging and modern technologies to succeed in engineering position in various agencies and also pursuit advanced degrees in engineering.

PLEASE ASSESS WHETHER THE OBJECTIVES HAVE BEEN ACHIEVED & LEVEL OF ACHIEVEMENT:

Excellent(E)	Good(G)	Average(A)	Poor(P)	No Comment(NC)
4	3	2	1	1

SNO	EGAPN	NC Yours Comments
	4 3 2 1 1	
PEO 1		
PEO 2		
PEO 3		
PEO 4		

h). Program Outcomes: Program 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 program

[ABET]. Please assess whether the following program outcomes have been achieved during your studies and the level of achieving the same:

PO		E	G	A	PN	NC
		4	3	2	1	1
PO:a	an ability to apply knowledge of mathematics, science and					
	engineering					
PO:b	an ability to design and conduct experiments, as well as to					
	analyze and interpret data					
PO:c	an ability to design a system, component or process to					
	meet desired needs					
PO:d	an ability to function on multidisciplinary teams					
PO:e	an ability to identify, formulate, and solve engineering					
	problems					
PO:f	an understanding of professional and ethical responsibility					
PO:g	an ability to communicate effectively					
PO:h	the broad education necessary to understand the impact of					
	engineering solutions in a global and societal context					
PO:i	a recognition of the need for, and an ability to engage in					
	life-long learning					
PO:j	a knowledge of contemporary issues					
PO:k	an ability to use the techniques, skills, and modern					
	engineering tools necessary for engineering practice					
PO:1	Ability to develop Electrical applications and industry					
	based projects					

SIGNATURE

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?

- The institution is an affiliated college to the JNT University. While preparing the curriculum by the university the institution will give suggestions and inputs to the university.
- However, a systematic mechanism is installed in the institution to look after the affairs of the feedback process and analysis through the College Academic Committee.
- The university expert teams visit the college a couple of times in a year for the purpose of extension of affiliation and affiliation of new courses. During the inspection process the university expert team interacts with students and the faculty on several aspects of availability of facilities and teaching-learning process.
- Feedback is obtained by the committee and the same is conveyed to the university.
- In addition the Vice Chancellor convenes meeting of Principals of all the affiliated colleges and obtains their opinion on matters of importance
- The senior faculty of the department are constantly in touch with the members of the BOS and convey their feedback regarding inclusions, deletions of necessary changes in the curriculum.

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

Yes

- Feedback is obtained from the students in a formal manner at the end of each semester in the prescribed format. The feedback is analyzed by the heads of the departments and a summary of the same is prepared. This feedback is primarily used for identifying the weaknesses in teaching learning process. The faculty is counseled by the heads so as to improve the process of teaching learning.
- Feedback from the stakeholders such as employers, alumni, is obtained once in a year from which the adequacy of the curriculum is ascertained. Any shortcomings in the curriculum are discussed by the college academic committee and the same

is conveyed to the University for necessary action.

The institution takes part in the curriculum development process through appropriate analysis of feedback given by the various stake holders from time to time and assimilates the suggestions in the functional style of the institution. The meeting ratifies the responses and makes suggestions for modifying curriculum. Finally, the institution represents these suggestions through various capacities to the universities for necessary changes.

StakeHolder	keHolder Frequency of Feedback						
Alumni	Yearly once whenever the Alumni visits						
Industry	Yearly once during the Student visit to						
	industry or Industry person visit the college						
Student	Yearly once from exit student/ once in a						
	semester						
Employer	Yearly once						
Professional	Yearly once during their visit to the college						
Body Members							

- Dr. Deepak L Waikar, NIT Singapore are attended Two Day national level workshop on "sustainable clean energy technology". On gone through the Academic curriculum of EEE, he advised to include solar power/ alternate energy related subjects into the curriculum to enhance employability prospective engineers.
- Prof Madhu Mutyam department of CSE IIT Chennai as visited our college to deliver lecture " Layer Computer Design". On gone through the curriculum of CSE advised to include multilayer architecture in Processor Design & IOT Applications under laboratory into the curriculum.
- Prof K Srinivasa Reddy IIT Chennai has visited our college to deliver lecture on gone through the curriculum of Mechanical. He has suggested to include PLC related concepts to give electronics related programming touch to the Mechanical students.
- Prof R V Raj Kumar IIT Khargpur, has visited our college and delivered lecture to our students. After seeing the curriculum for ECE students as advise to include Antenna Measurements Lab to strengthen their domain skills,

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 has introduced Three new programmes during the last four years. The details are

Year	UG/PG	Couse	Duration
2011-2012	PG	M.Tech(Power Electronics)	2 Years
2014-15	PG	M.Tech(Power Systems)	2 Years
	PG	M.Tech(DECS)	2 Years
2015-16	UG	B.Tech(Civil Engineering)	4 Years

Need of introducing PG Programmes:

- According to AICTE, there is an acute shortage of qualified and effective faculty members in our country. In order to increase the qualified faculty, AICTE has taken steps to increase the number of post graduate students in colleges.
- Hence steps are taken to introduce PG level engineering courses.
- The UG Programme in Civil Engineering is introduced, as many of the students are having interest to pursue and the employment opportunities are fair for Civil Engineering in view of infrastructural exposure after bifurcation of the state of Andhra Pradesh.

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?

Publicity in the admission process:

Admissions are made into the college according to the guidelines framed by Andhra Pradesh State Council of Higher Education (APSCHE). The institution ensures wide publicity to the admission process by the following:

a. Institutional Website

All aspects of the college, from the admission procedure to the placement record, faculty position, student amenities including the innovative practices are all made available in the college website (<u>www.avanthienggcollege.ac.in</u>). The website is updated regularly.

b. Advertisement in Regional/ National Newspapers

The achievements of the institution are publicized in the regional/state wide news papers as news items or advertisements at the time of admissions as well as when certain land marks are achieved. Notifications for category 'B' seats in various courses also will be issued in national and regional news papers.

c. Brochure

College brochures are published highlighting the vision and mission of the college along with the objectives, code of conduct, JNTUK rules and regulations, courses offered and the facilities available including the details of the teaching staff, Library, Laboratories, games and sports.

d. Any other (specify)

The admission process and the dates of admission for various courses are displayed on the Notice Board. The parent meets and counseling committees for various courses help to create the awareness about various courses and their admission procedures. Most of our alumni are quite happy with the institute and they will suggest their friends about the organization and takes part admission in admission process.

Transparency in the admission process:

All Admissions are under control by Andhra Pradesh State Council for Higher Education (APSCHE). All admissions made are in two categories i.e. A &B.

Category A: 70% of the total seats are through Common Entrance Test carried out by APSCHE.

1. APSCHE release the notification for Higher education in Engineering colleges through

news papers.

- 2. APSCHE conducts the entrance exam EAMCET for Engineering.
- 3. They conduct the counseling based on Ranks are allotted various Engineering Colleges.
- 4. As per Government rules special quota is provided to students who belong to SC, ST, OBC and Minorities.

Category B: 30% of the admissions are made by the college as per the guidelines of the APSCHE. Entire admission process is highly transparent and there is no scope for any deviation.

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.

• All the admissions made are controlled by Andhra Pradesh State Council for Higher Education (APSCHE) in two categories i.e. A & B.

Engineering:

- ✓ The College offers 5 Undergraduate and 6 Postgraduate Professional and 3 Diploma courses.
- ✓ 70% students into these programmes are admitted through centralized admissions organized by the government (EAMCET & E-CET for UG, GATE/PGECET for M.Tech and 100% students are admitted through POLYCET for DIPLOMA) according to the norms of AP State Council of Higher Education (APSCHE). The students are allowed to choose any particular branch of engineering in any of the engineering colleges. They can give multiple choices regarding the college in order of preference.
- ✓ If any seats left vacant due to non- reporting or any other reason in category A, the seats are filled at the end of the counseling in institutional spot admissions as per the norms of the convener of the common entrance test.
- ✓ The other 30% (B-category, i.e. Management/NRI) admissions are made at the college level as per the guidelines of APSCHE. Advertisements/notifications are issued in the leading regional news papers inviting applications from the eligible candidates. Application form for B- category seats provided on the college website which can be downloaded. Merit list is prepared from the applications received and the final list of selected candidates is posted on the college website and notice boards. 20% of the seats for lateral entry admissions for diploma holders into second year are made by the convener, E-CET.

MBA:

✓ The institute also offers PG programme in MBA where in 70% of seats are filled through ICET by the APSCHE. The other 30% B-category seats are filled by the institution following the guidelines given by APSCHE.

i) A-Category (Convener Quota) admissions:

Criteria followed

- ✓ B.Tech (I year) - EAMCET rank
- ✓ B.Tech (II year- Lateral Entry)
- ✓ M.Tech
- ✓ MBA

- ECET rank
- GATE / PGECET rank - ICET rank

✓ DIPLOMA

- POLYCET

ii) B-Category (Management Quota) admissions:

Criteria followed

- \checkmark The remaining seats shall be filled on merit basis with candidates including from other States as per APSCHE/AICTE guidelines.
- \checkmark The seats remaining unfilled from the above shall be filled with eligible candidates on merit basis following eligibility criteria laid down in rule (4) of G.O.Ms.No.74.
- \checkmark 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) in the prescribed group subjects taken together/aggregate marks in the qualifying examination. All affiliated colleges are governed by the admission procedures and guidelines prescribed by the APSCHE, Government of Andhra Pradesh.

Category – B Seats

 \checkmark The remaining 30 % of the total seats (Category – B) are filled by the college as per the guidelines issued by the APSCHE in highly transparent manner. The college will sent a list of admitted candidates along with necessary certificates to APSCHE for approval.

1. Candidates should obtain at least 45% of marks (40% in case of candidates belonging to reserved category) in the qualifying exam (10+2).

2. Candidate should have passed for the final year of Intermediate examination (10+2 pattern) with mathematics, Physics along with chemistry or related vocational courses in the fields of Engineering and Technology, conducted by the board of Intermediate Education, Andhra Pradesh along with bridge course.

3. The first priority will be given to the candidates who have EAMCET rank cards and second priority will be given to the candidates who have highest marks in intermediate examination.

4. Lateral Entry

- \checkmark In all B.Tech courses, 20% of the sanctioned intake seats are added for the lateral entry admission at the second year level in each of the discipline offered by the institution for the students who have completed their Diploma course from Polytechnics.
- \checkmark The candidates should have passed the qualifying exam.(Diploma holders) shall be admitted into the II nd year Ist semester directly, based on the rank secured by the candidate at Engineering Common Entrance Test (ECET) in accordance with the instructions received from the Convener, ECET and Government of Andhra Pradesh.

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

Admission to particular departments is made after the counseling and preparing the merit list only. Students seeking admission through management must also have to satisfy the requirements and should have good percentage in their academics. The admission procedure is done strictly according to the conditions laid by the JNTUK University and AICTE. The same procedure is followed in the case of Post Graduation courses M.Tech and MBA. The Selection of students for various departments is done through the criterion which is laid down by the JNTUK University.

Program Mode of Selection:

For all B.Tech branches

- ✓ A-Category (Convener Quota) students must have passed 12th Standard with a valid EAMCET rank.
- ✓ B-category students must have passed 12th Standard with minimum 45% marks.
- For all M.Tech branches
 - ✓ A-Category (Convener Quota) students must have passed B.Tech with a valid GATE/PGCET rank.
 - ✓ B-category students must have passed B.Tech with minimum 50% marks.

For all MBA branches

- ✓ A-Category (Convener Quota) students must have passed UG Programme with a valid ICET rank.
- ✓ B-category students must have passed UG Programe with minimum 50% marks.
- For all Diploma branches
 - ✓ A-Category (Convener Quota) students must have passed 10th class Programme with a valid POLYCET rank.

Quality of Students Admissions:

Courses-wise Lowest & Highest EAMCET Ranks for U.G. - B.Tech Programs

1 logi anis										
	COLLE		C)C	SC		S	Т	ОТНЕ	RS(BC)
S.N O	GE NAME	BRANC H	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHES T RANK
					<u>2015-1</u>	<u>6</u>				
	Avanthi	Mech	27824	130088	41714	125786			20003	129968
	Institute	ECE	31443	114450	61736	126043	69306	69306	15752	126365
1	of Engineeri	EEE	37434	124855	69147	132564	123914	123914	27108	108396
	ng and Technolo gy	CSE	19541	114971	103465	112988			37089	131826

	2014-15									
2	Avanthi Institute	Mech	42038	118743	110691	188542	200917	200917	37693	197274
	of	ECE	8785	169660	148238	148238			46901	195562
	ng and	EEE	76276	154240	78374	193877			35003	190245
	gy	CSE	37471	197593	88567	88567			16386	200982
					<u>2013-1</u>	4				
3	Avanthi Institute	Mech	31259	159069	84023	213576	64435	64435	23398	192158
	of	ECE	27788	205390	96870	216763			33289	210109
	ng and	EEE	55947	206106	88562	123104			62836	215293
	l echnolo gy	CSE	60459	215323					64959	212770

Courses-wise Lowest & Highest ECET Ranks for U.G. - B.Tech (Lateral Entry) Programs

11051 ams										
	COLLE		C	C	S	C	S	Т	OTHE	RS(BC)
S.N	COLLE	BRANC	LOWE	HIGHE	LOWE	HIGHE	LOWE	HIGHE	LOWE	IIICHES
0	GE	Н	ST	ST	ST	ST	ST	ST	ST	HIGHES
	NAME		RANK	RANK	RANK	RANK	RANK	RANK	RANK	I KANK
	<u>2015-16</u>									
	Avanthi	Mech	442	4500	3171	7011	3004	6862	335	6462
	Institute	ECE	621	4804	1006	3830			124	5721
1	of Engineeri	EEE	820	3257			7305	7305	828	6735
	ng and Technolo gy	CSE							156	1837
2014-15										
2	Avanthi Institute	Mech	247	3148	1884	4639			389	5733
	of	ECE	1593	7481	7573	7725	6688	6688	513	9594
	ng and	EEE	9960	9960					9644	10201
	gy	CSE	1289	1289	311	3671	251	3591	409	3194
					<u>2013-1</u>	4				
3	Avanthi Institute	Mech	443	2494	1330	7230			301	9184
	of Engineeri ng and	ECE	1443	6635	6183	6461			618	7632
		EEE	220	1654	1326	1326			301	6403
	gy	CSE	1289	1289	311	3671	251	3671	409	3194

Courses-wise Lowest & Highest GATE/PGECET Ranks for P.G. - M. Tech

Programs										
	COLLE)C	S	SC	S	ST	OTHE	RS(BC)
S.N O	GE NAME	BRANC H	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHES T RANK
					<u>2015-1</u>	<u>6</u>				
	Avanthi	PE	949	3411	4387	7043	5111		162	9911
	Institute	PS	2925	2939	4558	6384	2837		631	6643
1	of En sin seri	VLSI							47	7341
	ng and	CSE							5016	5016
	gy	DECS			8325	8325			5200	8710
	2014-15									
	Avanthi Institute of	PE	912	8713	4605	4605			2512	16801
2 3		PS	1619	4058					1924	14418
		VLSI	6565	13373	2854	2854			11137	11511
2	Engineeri ng and Technolo	CSE	3375	5821					13534	14830
	gy	DECS	3659	23155	11061	11061	16847	16847	4762	26020
					<u>2013-1</u>	4				
	Avanthi	PE	18349	18349	4206	4206	26254	26254	139	139
2	Institute	VLSI	1606	1801	322	12529	20833	20833	429	19938
3	Engineeri	CSE	6051	11426	21731	21731			4522	17464
	Technolo	SE	9048	17087					14623	14623
	gу	IT	20276	20276					17949	20217

Courses-wise Lowest & Highest Ranks for PG - MBA Program ICET Ranks

	COLLE		C	C	S	SC	S	T	OTHE	RS(BC)
S.N O	GE NAME	BRANC H	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHES T RANK
					<u>2015-1</u>	<u>6</u>				
1	Avanthi Institute of Engineeri ng and Technolo gy	MBA	4965	59220	34212	63452	63756	63756	2910	61676
2014-15										

2	Avanthi Institute of Engineeri ng and Technolo gy	MBA	1946	88029	58693	104907			10268	113918
	2013-14									
3	Avanthi Institute of Engineeri ng and Technolo gy	MBA	8012	113773	81980	102497			8534	118971

Courses-wise Lowest & Highest POLYCET Ranks for DIPLOMA Programs

	Programs									
	COLLE		0)C	S	SC	S	T	OTHE	RS(BC)
S.N O	GE NAME	BRANC H	LOWE ST RANK	HIGHES T RANK	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHE ST RANK
	<u>2015-16</u>									
Avanthi Institute of Engineering and Technology		ECE	3627	69974	80400	80400			24768	69297
		EEE	23178	69396	72065		77439		12651	66998
		MEC	8016	20465	31116	77494	69577	78622	10641	56339
				2014-15						
Avan	thi Institute	EEE	19918	98990	142308	142308			28803	135294
of Er and T	ngineering Fechnology	MEC	26752	94556	101268	163955			20419	127947

OTHER COLLEGES:

	COLLE		0)C	S	6C	S	Т	ОТНЕ	RS(BC)
S.N O	GE NAME	BRANC H	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHE ST RANK	LOWE ST RANK	HIGHES T RANK	LOWE ST RANK	HIGHE ST RANK
1	DIET	Mech	30824	142041	52486	138452			22458	136859
		ECE	29546	116582	58953	135895	122457	122457	17596	131536
		EEE	40152	131256	68523	138456			38452	136856
		CSE	33864	147582	118953	125673			35716	147586
2	SIMHAD RI	Mech	33568	149521	45264	128653	122589	122589	22598	133523
		ECE	31245	128462	70281	137953			21458	144349
		EEE	39473	125681	71439	136852			26849	111853
		CSE	21673	118537	99028	118735			40157	139856

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

The college verifies and review all the profiles of the students admitted annually. The institution has well planned, well defined and well designed mechanisms as far as reviewing the profiles and merits of the students. Admission intake & quality for Mechanical programme is given below

ADMISSION INTAKE & QUALITY

S. No.	Academic year	Sanctioned in take	Seats filled	% Seats filled
1	2015-16	180	140	77.77
2	2014-15	180	131	72.77
3	2013-14	180	138	76.66

* Admissions are consistence for the last two years.

The administrative section regularly monitors and provides information to the academic heads for proper corrective measures. In particular the committee which is responsible for the admission procedure will monitor a particular section of students like Girls, villagers, or any specific community are found to be in less numbers in the admission lists. Then the committee tries to motivate those sections of students by providing them requisite abilities to join our institution. The activities of the students are closely monitored by assigning some faculty members as a group forming committee members. A 'Record' of mentoring books are maintained which consists the parameters like attendance, marks scored, sports and extra-curricular activities, medical information. The students with a little bit of negative approach or disturbing elements are counseled by the faculty members so that they can be moulded with a positive attitude and positive frame of mind. This type of activities in the institution can make the students to become an asset for the institution.

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

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

Students from SC/ST/OBC are allotted seats as per state government policies. Tuition Fees reimbursement, fees exemptions, and endowment benefits are also extended to these students in our institution as per the State Government rules. These students are providing with some extra facilities provided by the college management also. The institution continuously bestow their efforts to create awareness on the importance of higher studies i.e. education as a means of empowerment bring a change in the society. The faculty members of our institution visit the neighboring villages and nearly schools/junior/degree colleges in order to promote the awareness of higher studies by counseling the students belong to the non creamy layers. The faculty members also explains the various benefits they are getting from the government according to the reservation policies, financial and academic facilities gained through the institution and state government.

The reservation quota for various sections in EAMCET convener quota as per the guidelines of AP State Government are ST-7.5%, SC-15%, BC-25%, NCC-1%, PH-3%, Ex-Servicemen-2%, Sports-0.5%. As per the norms of the government, 30% of seats are reserved and filled by women candidates. Apart from that, a significant number of women candidates are being admitted every year on merit basis.

Women:

For women, there is separate reservation policy of the state Government and University in admission. They will also compete with a fair merit base with men. Over and above thus, the women are provided with 30 percent reservation. The women candidates are provided with equal opportunity. Separate hostel facilities are available for the women category. The institution also provides special orientation and counseling for the needy parents on the importance of women education and exclusive facilities provided for them in terms of incentives, security, protection and special reservation by the state government and institution.

Differently-abled:

There is special reservation for the students who come into differently abled categories as per the UGC and state government norms. Their requirements and needs are given a higher importance with a special care and attention by the college authorities. The college provides western toilets and wheel chair facilities for the disabled candidates. The college also provides a special means of transport particularly for such students

Economically Weaker Sections of the Society:

The management committee of the institution provides special benefits for the students who belong to economically weaker sections viz; like the concession in fee, free books, free transport, free hospitality and special rewards which help them in their career.

Minority:

The institution follows reservations to the students belonging to minority community under the direction of Central Government, State Government and the affiliating university. The institution offers every possible help to the students belonging to this community in every aspect like scholarships and other resources.

Athletes and sports persons:

The students who participate in sports activities at regional or national level are given admissions based on their excellence in athletics or sports. They are encouraged further to continue their participation in university, state and national level games/ sports.

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.

S.No	Programme	Course	Student Intake	Student Admitte d	Demand Ratio
		2015-16			
1	UG	Electronics and Communication Engineer			
		ing	180	79	0.438
2		Computer Science and Engineering	180	75	0.416
3		Electrical and Electronics			
		Engineering	60	31	0.516
4		Mechnical Engineering	180	140	0.777
1	PG	VLSI	18	6	0.333
2		DECS	18	6	0.333
3		Power Electronics	24	15	0.625
4		PS	18	11	0.611
5		Computer Science and Engineering	24	1	0.041
6		M.B.A	120	72	0.6
1	DIPLOMA	Diploma Mechnical Engineering	60	60	1

Students admitted to U	G, PG and DIPLOMA	in the last Four Years:
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2		Diploma Electrical and Electronics			
		Engineering	60	53	0.883
3	-	Diploma Electronics and			
		Communication Engineering	60	34	0.566
		2014-15			
1		Electronics and Communication			
		Engineer			
		ing	180	115	0.638
2		Computer Science and			
	UG	Engineering	180	80	0.444
3	-	Electrical and Electronics			
		Engineering	60	58	0.966
4	-	Mechnical Engineering	180	189	1.05
1		VLSI	18	10	0.555
2	-	DECS	18	12	0.666
3	-	Power Electronics	24	11	0.458
4	PG	PS	18	8	0.444
5	-	Computer Science and			
		Engineering	24	7	0.291
6	-	M.B.A	120	83	0.691
1		Diploma Mechnical Engineering	60	56	0.933
2	-	Diploma Electrical and Electronics			
	DIPLOMA	Engineering	60	36	0.6
3		Diploma Electronics and			
		Communication Engineering			
	1	2013-14		<u>I</u>	<u> </u>
1		Electronics and Communication			
		Engineer			
		ing	180	113	0.627
2	UG	Computer Science and Engineering	180	24	0.133
3		Electrical and Electronics			
	_	Engineering	60	54	0.9
4		Mechnical Engineering	180	175	0.972
1		VLSI	18	13	0.722
2		DECS			
3	PG	Power Electronics	24	12	0.5
4		PS			
5		Computer Science and Engineering	24	12	0.5
6		M.B.A	120	46	0.383
		2012-13			
1	UG	Electronics and Communication			
		Engineer			
	-	ing	180	178	0.988
2	-	Computer Science and Engineering	180	75	0.416
3		Electrical and Electronics	60	58	0.966
		Engineering			
4	Mechnical Engineering	180	207	1.15	
---	----------------------------------	-----	-----	-------	
1	VLSI	18	14	0.777	
2	DECS				
3	Power Electronics	24	17	0.708	
4	PS				
5	Computer Science and Engineering				
6	M.B.A	120	48	0.4	



- Institute has introduced new Diploma courses.
- During last three years the admissions in mechanical course has been maintaining good because of demand in course.
- Due to the mushroom growth of engineering colleges and lack of awareness towards engineering among student, there is decline in admission.
- Reduction in teaching opportunity leads to decrease in PG admissions.
- The Institution is planning to take necessary steps to improve the admissions in upcoming years

2.2 Catering to Diverse Needs of Students

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

Institute provides counseling to differently-abled students specially those who are weak in mental health and physically disabled. Special classes, counseling sessions are arranged to these students as a part of academic support.

Our college maintains counseling and mentoring system for mentally weak students.

Many students when they experience life events or academic pressures that leave them feel anxious, confused, lonely, angry, depressed or overwhelmed. When those feelings persist for more than just a few days, it is often helpful to speak with an unbiased, objective professional through counseling.

The institute is also well equipped with facilities to accommodate physically weak students:

• Wheel chair: The institution provided a wheel chair to help moment of the physically disabled students with in the campus.

• **Ramp:** Ramp facility is there for the disabled students.

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

Yes. Before commencement of each programme the institution identifies and evaluates the students needs. The competency and learning level of a student is judged from his / her marks and from the details given in his/her profile collected at the time of admission ie personal details, previous academic performance, strengths, weakness, goals, performance in the EAMCET examination and their intermediate examination.

After the analysis we came to know that the institution has only the choice of conducting **bridge courses** after admitting the students. The knowledge gap of the fresh students is abridged through different courses for enabling them to cope with the programme to which they are enrolled.

The bridge courses organized by our institution are in the fields of Mathematics and English communication, which are useful for students hailing from Rural Areas and for whom English is not the medium of instruction. We are conducting bridge course for lateral entry students also.

- It is a regular practice to conduct orientation program to the students admitted in to first year of different courses every year.
- An induction meet will be organized where in the students and their parents are invited to attend.
- Resources persons viz; senior academicians from reputed universities and industry experts are invited to address gathering.
- M
- Newly admitted students are motivated towards their course of study by expert talks and interactive sessions.
- New trends in the engineering education, avenues, employment opportunity, career growth and higher education options are clearly explained to them with the help of oral and power point presentations(PPT).
- Doubts expressed by the participants will be cleared by the experts.
- The first week of instruction period will be treated as orientationaly and new income will be addressed by senior faculty to motivate, guide and inspire student and ultimately put them in the right track

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

Bridge course- Bridge courses are being conducted for 15 days at the beginning of the semester by the Faculty members. As majority of our students are from the rural background, special attention is paid in organizing programmes on personality development and computer skill enhancement.

Remedial courses- The College conduct remedial classes for the improvement of academically weak students

Add-on-courses – For enrichment of subject knowledge, every department organizes special seminars by the experts in respective subjects.

Tutorial hours -Courses which require more practice, includes critical thinking or programming are provided with tutorial hours. Tutorial hours are specially marked in the time table and the lesson plan.

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

The college sensitizes its staff and students on issues such as gender, inclusion and environment by arranging lectures, workshops, seminars, documentary film, invited talks and paper presentations on Women Empowerment, law awareness, and counseling for "Save Girl Child" drive. Our institution maintains Women's Grievance Cell to cater to the problems and issues.

Health awareness programs, pregnancy & leave matters are paid special attention to via various feministic workshops and programs. Similar efforts are channeled in various grooves for awareness of adolescence, clean and eco-friendly environment.

Lectures are arranged on tree plantation, climate change, cyber crime, anti ragging, moral-ethical values enhancement, Juvenile offences, global warming, pollution, water literacy, energy crisis etc.

NSS unit of the college keep keen interest in arranging the various lectures and programmes regarding above issues and celebration of national and international days.

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

• There is a specific strategy for the identification of slow and advanced learners at entry level; the indicator is just their Marks Memo. As the classes begin, their academic standards are judged through their responses and the regularly conducted class-tests.

• The advanced learners are identified on the basis of their responses, their pace of comprehension and assimilation, their articulation of ideas, conceptual abilities and progression in learning subjects.

- Every student has to submit a home assignment in every course .Some of these tasks is beyond syllabus to encourage out-standing students to develop their self learning capabilities.
- Additional experiments are conducted in the labs to enrich the student performance.
- Lab facilities are provided even after the institution hours.

• Students from both the categories are encouraged and provided need-based guidance and material. These students are encouraged to take initiatives in all curricular and extracurricular activities.

• Opportunities are provided for them to acquire knowledge in different areas for facilitating better future. The students are encouraged to have membership in professional bodies and paper presentations and publishing at national seminars and workshops.

• Tutorials classes are may part of the timetable and for every three periods of lecture hour there will be one tutorial hour.

• During the tutorial hours weak and poor performance students are identifies and special focus will be paid by the teacher to bring them to the higher levels.

• Special care will be taken to explain the concept again and again until they understand.

• Any prerequisite knowledge require to understand the new concepts will be provided to them for better understanding.

• The size of the tutorial class is maintained in such a way that teachers can have special focus on weak and poor performing students. In our college we keeping it as 30.

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

Dropouts are very few and insignificant in this institute. The institute has a sound system of counseling and mentoring such students.

Academic performance of the students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. is detected by the teachers during their lectures in classroom.

We use marks as index for identifying slow learners students are subjected to various methods of evaluation, vocal responses, sample individual responses & written test after each unit of syllabus.

These students who do not seem to cope up with the pace of learning are advised and counseled by the faculty members and the Head of the department. They are specially advised and counseled so as to help them improve themselves.

We are maintaining mentoring books for every department in the college to know the status of the student and counseling the students who are weak in the academics.

The morale of the slow learners is boosted by counseling sessions, remedial classes and intensive interactive sessions. They are also given advice after class hours and are motivated by providing additional learning material such as text books and solved question papers from exams.

2.3 Teaching-Learning Process

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

Grams: "TECHNOLOGY" Email:dapjntuk@gmail.com



Phone: 0884-2300991 Mobile: +91 9618522555

Directorate of Academics & Planning JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA KAKINADA-533003, Andhra Pradesh, INDIA

Dated: 04-09-2015

Lr. No. JNTUK/DAP/I Year/Aca.Cal/2015-16 Dr. K.Padma Raju

B.Tech, M.Tech., Ph.D. Professor of Electronics and Communication Engineering & Director, Academics & Planning

To The Principals of Affiliated Colleges JNTUK, Kakinada.

> Academic Calendars for the Students admitted in the academic year 2015-16 B.Tech 1 Year - I & II Semester

Description	From	То	Weeks
Commencement of Class Work	02-07-2015		
Orientation Pragram	03-07-2015	11.07-2015	-
I Unit of Instructions	13-07-2015	12-09-2015	9W
I Mid Examinations	14-09-2015	19-09-2015	1W
II Unit of Instruction	21-09-2015	14-11-2015	8W
II Mid Examinations	16-11-2015	21-11-2015	1W
Preparation & Practicals	23-11-2015	28-11-2015	1W
End Examinations	30-11-2015	12-12-2015	2W
Commencement of Class Work	14-12-2015		
B.Tech I Year (2015 Admitted Batc	h) II Semester		
Commencement of Class Work	14-12-2015		-
I Unit of Instructions	14-12-2015	06-02-2016	8W
I Mid Examinations	08-02-2016	13-02-2016	1 W
11 Unit of Instruction	15-02-2016	09-04-2016	8W
II Mid Examinations	11-04-2016	16-04-2016	1W
Preparation & Practicals	18-04-2016	23-04-2016	1 W
End Examinations	25-04-2016	07-05-2016	2W

Copy to the Secretary to the Hon'ble Vice Chancellor Copy to the Rector Copy to the Registrar Copy to the Director of Evaluation Copy to Director Institute of Science and Technology Copy to all Directors Copy to Principals of University Colleges of Kakinada and Vizianagaram

Copy to Controller of Examinations, JNTUK and ACEs, JNTUK

Copy to Principals of all Affiliated Colleges of JNTUK Kakinada

College Calendar: College calendar is prepared by the Academic Committee headed by the Principal. It consists of curricular, co-curricular, and extra-curricular activities. The committee decides on key dates for the requisite number of working days of contact hours per semester. The dates/schedules are presented in the academic calendar issued to every student prior to the commencement of the classes for the fresh academic year. Important dates in the Calendar include:

1. Academic counseling meetings.

2. Preparation of the course schedule and comprehensive lesson plan for the semester by individual faculty members

- 3. Adhered to prepare lesson plan
- 4. Introduction classes before beginning of the unit.
- 5. Re-opening after summer vacation for senior classes
- 6. Commencing classes for freshers
- 7. Schedule for the periodic class tests after contact classes

8. Schedule of activities such as symposium, guest lectures, seminars, workshops, sports and cultural,

9. Schedule for the Preparatory Examination

10. Last working day

11. Duration of study holidays and end semester examinations. Dates presented in the calendar are rarely changed and teachers are expected to strictly adhere to them in finishing their teaching and revision schedule.

Teaching Plan

Preparation of the comprehensive lesson plan for the semester by individual teachers is mandated. The Heads of the respective Departments ensure that the same is adhered to departmental timetable and allotment of work load clearly defines the role of each faculty. The Log book is maintained by each faculty and completed on monthly basis and submitted to the Principal for verification.

If any gap is existed between two units it is fulfilled in the form of guest lecture by eminent faculty. While preparing the lesson plan the different teaching methodologies are maintained.

COURSE INFORMATION SHEET

PROGRAMME: B.Tech ECE AC:YEAR:2014-2015	DEGREE: BTECH: B.TECH IVYEAR(I)	
COURSE: DIGITAL IIMAGE PROCESSING	SEMESTER: 4-1 CREDITS: 4	
COURSE CODE: R41043 REGULATION: R10	COURSE TYPE: COURE COURSE COORDINATOR:	
COURSE AREA/DOMAIN: ELECTRONICS AND COMMUNICATION	CONTACT HOURS: 4+1 (Tutorial) hours/Week.	
CORRESPONDING LAB COURSE CODE (IF ANY): NO	LAB COURSE NAME: NO	

SYLLABUS:

UNIT	DETAILS	HOU RS
1	Introduction: Origins of digital image processing, uses digital image processing, fundamental steps in digital image processing, components of an image processing system, digital image fundamentals, Elements of visual perception, light and electromagnetic spectrum, imaging sensing and acquisition, image sampling and quantization. Some basic relationships between pixels, An introduction to the mathematical tools used in digital image processing Image Transforms: Need for image transforms, Spatial Frequencies in image processing, introduction to Fourier transform, discrete Fourier transform, fast Fourier transform and its algorithm, properties of Fourier transform. Discrete sine transform. Walsh Transform. Hadamard transform, Haar Transform. Slant transform, SVD and KL Transforms or Hotelling Transform	15
II	Intensity Transformations and Spatial Filtering: Background, Some basic intensity transformation functions, histogram processing, fundamentals of spatial filtering, smoothing spatial filters, sharpening spatial filters, Combining spatial enhancement methods, using fuzzy techniques for intensity transformations and spatial filtering.	7
Ш	<i>Filtering in the frequency domain:</i> Preliminary concepts, Sampling and the Fourier transform of sampled functions, the discrete Fourier transform (DFT) of one variable, Extension to functions of two variables, Some properties of the 2-D Discrete Fourier transform. The Basic of filtering in the frequency domain, image smoothing using frequency domain filters, Selective filtering, Implementation.	7
IV	<i>Image restoration and Reconstruction:</i> A model of the image degradation / Restoration process, Noise models, restoration in the presence of noise only-Spatial Filtering, Periodic Noise Reduction by frequency domain filtering, Linear, Position –Invariant Degradations, Estimation the degradation function, Inverse filtering, Minimum mean square error(wiener)filtering, Constrained least square filtering, Geometric mean filter, Image reconstruction from projections.	9
V	Color Image Processing: Color fundamentals, Color models, Pseudo color image processing, Basic of full-Color Image Processing, Color Transformations, Smoothening and Sharpening, Image Segmentation based on color, Noise in Color Images, Color Image Compression.	8
VI	Wavelets on Multi-resolution Processing: Image Pyramids, Su-band Coding & Harr Transform, Multi-resolutions Expansions, Wavelet Transforms in One Dimension, The	8

	Fast Wavelet Transforms, Wavelet Transform in 2D, Wavelet packets. Image Compression: Fundamentals, Various compression methods-Coding Techniques, Digital Image Watermarking.	8 8 70
VII	Morphological Image Processing: Preliminaries, Erosion and Dilation, Opening and Closing, The Hit-or- Miss Transformation, Some basic Morphological Algorithms, Grey Scale Morphology.	8
VIII	Image Segmentation: Fundamentals, Pont, Line, and Edge Detection, Thresholding, Region based segmentation, segmentation using Morphological watersheds, The use of motion in segmentation.	8
	TOTAL HOURS	70

TEXT/REFERENCE BOOKS:

T/R	BOOK TITLE/AUTHORS/PUBLICATION
1	Rafael C. Gonzalez and Richard E.Woods, Digital Image Processing, Pearson Education, 2011
2	S. Sridhar, Digital Image Processing, Oxford Publishers 2011
3	S. Jayaraman, S. Esakkirajan, T. Veerakumar, Digital Image Processing, Mc Graw Hill Publishers, 2009.

COURSE PRE-REQUISITES:

C.CODE	COURSE NAME	DESCRIPTION	YEAR
1	DSP	Knowledge on digital filters , FT,DFT and FFT	3-2

COURSE OBJECTIVES:

			1
		Course Objectives :	-
I	1	By taking this course of course, learners will learn proper image representation, enhancement, filtering, restoration, analysis, reconstruction from projection.	-
	2	This course will build proficiency in terms of Understanding the mathematical and signal principles forming the basis for methods of image processing.	-
III	1	By taking this course, students will learn advanced digital image processing techniques, including various image transformations, image reconstruction from incomplete information, image segmentation and recognition.	
	2	To design and conduct digital imaging experiments and analyze and interpret image as evidenced from computer projects. Examples include pc-based image processing systems and ready to use implementations of important algorithms.	
V	1	To convert image from RGB to gray, black and white, index image. remove the blurring in an image from a moving object. One has to understand how to model the motion, its effect on image formation and remove the motion artifacts under various real world constraints.	
	2	Be able to develop the technical specifications required to accomplish a desired function of noise reduction, edge detection, compression, or segmentation.	

COUF	COURSE OUTCOMES:				
SNO	DESCRIPTION	PO MAPPING			
1	To acquire the fundamental concepts of a digital image processing system	i, j, k, l			
2	To identify and exploit analogies between mathematical tools used for 1D and 2D signal analysis and processing.	a, b, e			

GAPS IN THE SYLLABUS - TO MEET INDUSTRY/PROFESSION REQUIREMENTS:

SNO	DESCRIPTION	PROPOSED
1	Image denoising techniques	GUEST
2	Slant transform, SVD and KL Transforms	NPTEL LECTURES

TOPICS BEYOND SYLLABUS/ADVANCED TOPICS/DESIGN:

- 1 morphological image processing
- 2 image compression models(JPEG and JPEG 2000)

WEB SOURCE REFERENCES:

- 1 http://www.library.cornell.edu/preservation/tutorial/intro/intro-01.html
- 2 http://www.cs.auckland.ac.nz/courses/compsci773s1c/lectures/ImageProcessing-html/topic4.htm
- 3 www.nptel.iitm.ac.in/video.php?subjectId=117105079

DELIVERY/INSTRUCTIONAL METHODOLOGIES:

✓ CHALK & TALK	~	STUD.ASSIGNMENT	✓ WEB RESOURCES	
LCD/SMART BOARDS	~	STUD. SEMINARS	ADD-ON COURSES	

ASSESSMENT METHODOLOGIES-DIRECT

✓ ASSIGNMENTS	SEMINARS	✓ TESTS/MODELEXAMS	EXAMINATION
STUD. LAB PRACTICES	STUD. VIVA	MINI/MAJOR PROJECTS	CERTIFICATIONS
ADD-ON COURSES			OTHERS

ASSESSMENT METHODOLOGIES-INDIRECT

✓ ASSESSMENT OF COURSE OUTCOMES (BY □ STUDENT FEEDBACK ON FACULTY (TWICE)

Evaluation

At the end of each semester students are assessed internally on the basis of attendance, assignments, two internal examinations and one preparatory examination. Students are awarded internal marks on the basis of the performance in the above criteria. Project internal reviews are conducted and evaluated for the assessment of the progress of the project work.

To know the learning status of the students assignments are given to them. At the end of the semester examinations are conducted by the affiliated University i.e JNTU KAKINADA.

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

IQAC plays a vital role in teaching-learning process to maintain the quality and it consists of two members from each department.

- It conducts the meetings of the members of the committee for the improvement in teaching learning process.
- The IQAC monitors the various aspects of the teaching-learning process and periodically reviews the effectiveness of the strategies adopted to make the process effective.
- The IQAC meets regularly and realigns practices based on formal (for example, student council meetings) and informal feedbacks whenever necessary.

- The IQAC proposes to the department the various strategies such as syllabus coverage, pass percentage, assessment of learning outcomes.
- It also recommends participation of faculty and students in seminars and conferences.
- IQAC regularly reviews and evaluates the teaching learning process.
- The IQAC also conducts special meetings to have a detailed result analysis of each batch.
- Meetings are held at the departmental and at the college level.
- These meetings emphasize on the strategies on improvement of results and adhering to the strategies.

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

The institution follows the student centric learning through the different ways specified below.

- Each faculty prepares and discusses lesson plans with students.
- Lesson notes are distributed / discussed after each unit is covered in the class.
- Questions asked to the students based on current trends in technical fields.
- Group discussion is conducted after completion of units
- Students are asked to deliver the presentation on the selected advanced topic.
- After completion of the unit assignments are given to the students.
- Students are encouraged to do projects according their field of interest.
- Highest priority is given to promote self learning and collaborative learning in the institute.
- As the part of that students are encouraged to visit library, to browse internet and to participate in departmental association activities.
- One period per week each is earmarked for library, internet and association activities.
- A faculty in charge is appointed to mentor the activities during this hours.

Collaborative learning: Students are getting practical knowledge by industrial visits. **Interactive learning:** group discussions are conducted and NPTEL videos are provided. **Independent learning:** unit wise assignments are given and ask them to give presentations.

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?

Critical Thinking: It is nurtured by organizing debating competitions, group discussions, news paper reading, etc.

- 1. Encouraging students to do the problems in exercises.
- 2. Encouraging students to do the projects based on application-oriented projects.
- 3. Students are encouraged to refer technical journals to improve Life-long learning.

Creativity:

1. The institute conducting competitions such as Short film making, Model-Expo, etc.,

2. For enhancing creativity, students are asked to prepare posters and models and mini project exhibition on various fields.

Scientific Temper:

• To create scientific temper among the students, the college is organizing project exhibition every year to become innovators.

• The institute motivates students to participate in National and International seminars and present their technical papers.

• To transform them into lifelong learners and innovators, students are encouraged to solve case studies, present their analysis, inculcating the habit of reading journals and magazines.

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

The technologies and facilities available and used by the faculty for effective teaching are:

E- Learning:

• NPTEL provides E-learning through online web and video courses in engineering, science and humanities streams.

• One of the cornerstones of the digital library in our institute is accessing of E- journals such as Elsevier and IEEE

- Digital Library with 10 systems to access E-books.
- E-class room is available for the convenience of the users supported with Audio-Visual aids. Language Lab:
- The language lab consists of Round table, podium, mirror and video recording. Students are encouraged to participate and to use the Lab for improve the communication skills.

The teaching aids like OHP, multimedia projectors, Internet enabled computer systems are usually employed in class room.

Faculties are encouraged to be the members in the PROFESSIONAL SOCIETIES which in turn brings the technology advancement and results in effective teaching and learning process.

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

• During Industrial visits they are exposed to practical- new trends provided blended learning pattern.

Expert Lectures:

The staff is encouraged to identify topics beyond the syllabus and a few latest topics which are necessary (changing trends in technology), by inviting experts and organizing their lectures from industry, university and other national laboratories or organizations. Seminars / workshops:

• The institution organizes workshops by eminent professionals in their respective areas in which the student community and faculty community actively participate to reap their benefits.

• The faculty members are advised to attend the FDP programmes which are conducted by the reputed institutions and universities. The institute provides TA & DA for those faculty members.

• The faculty members have been participating in the national and international conferences and presented many papers.

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

The college makes enough provision for student's need of the following:

Professional counseling system:

There is a provision for counselors/advisors for each class or group of students for academic and personal guidance. The students are divided into groups and each group is provided with counselor /advisor to provide academic and personal guidance to the needy students.

For every 10-20 students one staff member is allotted to provide counseling and to look into the problems of the students. It is done at all level of courses in all the divisions. The faculty in – charge carefully monitors the regularity of attendance, participation in seminars and other activities and also the performance of the students in internal tests/semester examinations.

Academic advice:

The progress of the students is monitored by the faculty counselor The students are advised with some sort of remedial classes which help to improve their caliber.

The Career Guidance Cell provides worthy services in guiding the students for Interviews, Job Placements and training programmes which enable them to develop skills required to cater the needs of competitive world. The Cell organizes different programmes such as Seminars on Personality Development, Interpersonal Relationship, and Communication Skills etc for improving the latent skills of the student.

Placement Co-coordinators are identified from the final year students to take training and help from the Placement office. GATE coaching is also conducted for providing Higher education to the students.

The cell provides career counseling through professional experts and in-house faculties.

Psycho-social support:

The students who seek psychological boosting or the candidates who are psycho-socially left out are given psychological counseling by the college faculty itself. To add, the college teachers really act as a true friend, philosopher and a guide for the students.

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

MAKAVARAPALEM, NARSIPATNAM

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

STUDENT COUNSELLING FORM

NAME OF THE	
STUDENT	
REG.NO.	
BRANCH	
CLASS	
YEAR	
NAME OF THE	
FACULTY	
DATE OF	
COUNSELLING	

1. Did you clear all subjects in the last years ? yes/no (If no mention the number of subjects)

2. Are you comfortable with present semester classes? Yes/no(If no, mention the details)

a.

b.

.

3. What is the difficulty?

Suggestion Given:

4. Do you have any other problem? Yes/no(If yes, specify the problem)

Suggestion Given:

Signature of the student

Signature of the faculty

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 faulty to adopt new and innovative approaches and the the impact of such innovative practices on student learning?

• The faculty members are allocated subjects based on their professional and teaching skills. The faculty members prepare detailed **course files** which consist of course schedules and the teaching notes. The teaching notes is elaborate and available in digital form.

- Topics beyond the syllabus are covered to enhance the knowledge of the students.
- Experiments beyond syllabus are also conducted in the specified laboratories.
- Bridge courses are conducted for overall development of students with rural backgrounds.

Some of the teaching methods and aids adopted by the faculty are:

- Role play
- OHP
- LCD projectors
- Mock sessions
- Case study
- Audio visual aids

Use of language lab for enhancement of language skills.

As a result of using these above teaching methods and aids students have gained confidence, overcome stage fear, improved communications skills and acquired management skills. This has also resulted in improvement in class room atmosphere which resulted in better teaching-learning.

> The College constantly encourages faculties on ICT, Library resources Computers with Internet facilities to update learning & use of other technological aids which helps in enhancement of knowledge & skills.

The management of the college is making special efforts for the professional development of its faculty like

• Faculty is encouraged to pursue PhD programs and/or encouraged to take up the research work individually or in collaboration.

• The faculty is encouraged to apply for projects for research grants to different funding agencies such as AICTE, DST, UGC etc., which help to enhance professional competence and increase promotional avenues to the staff.

• The college also considers for financial support case by case.

• In order to cater to needs of the research activates by different departments the management of the college has planned for central R&D facility with all the infrastructure and instrumentation required by the departments. This in itself is a huge encouragement for the faculty to pursue their research activities within the institution. These facilities would also help in Institutional- Industry interaction in research and development in engineering and sciences.

• The faculty is regularly encouraged to attend National and International symposia and conferences and present their research findings.

• The necessary travel expenses and registration fee are borne by the college.

• The faculty is also encouraged to publish their research findings in National and International journals and a part of the publication cost is reimbursed by the institution.

• Study leave is extended to faculty members who wish to pursue Masters or PhD programs.

• All the faculty members of various departments are encouraged to participate in National/International Conferences, Seminars and Training Programs.

Note: Research papers and publications are shown in individual departmental profiles.

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

The Library is well stocked with books, journals, back volumes, projects and dissertations including e-books and e-journals. Students are allotted a library hour within the time table. Besides this the Library is kept open from 8:00 A.M. to 8:00 P.M. Monday to Saturday which facilitates optimum use. Staff and students use the library for projects, dissertations and research. Staff members provide reading lists to the learners to supplement teaching learning.

Library resources are augmented to enhance teaching-learning process through:

- A wide range of reading materials, learning resources and information helps to support the Development of successful learners and confident individuals.
- Promoting independent learning skills supports lifelong learning and encourages students to grow as responsible citizens and make an effective contribution to society.
- Using websites constructively for research.
- Introduction of e-journals for faculty & students.
- Every year books, magazines, journals are added as per the needs of staff & students.
- The library is open well beyond college hours for faculty & students to prepare for seminars, project reports, etc.,
- Internet facility.
- Wi-Fi enabled campus.

The college has one of the best stacked libraries in the region. The books and journals available are

Number of titles - 7605 Number of volumes - 33530 Number of Courses in digital library (NPTEL) - 55 Number of e-Books in digital library - 2744 No. of Technical Magazines/Periodicals- 30 No. of Journals in hard copy- 129 No. of Journals in soft copy (ELSEVIER-, IEEE -) Library books for faculty - 10 and for students - 4, DEL NET: - By using DEL NET membarship, students and st

DELNET: By using DELNET membership, students and faculty will get access to innumerable e-Books and e-Journals.

2.3.10 Does the institution face any challenges in completing the curriculum within the

planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

The JNTU Kakinada follows semester system and prepares a tight schedule for completing the syllabus. In case of loss of working days the college follows extended working hours, to makeup the loss and complete the curriculum. Otherwise the college has a well laid down system to plan the schedule in advance and monitor the coverage of syllabus on regular basis to ensure curriculum completion within the given schedule. The IQAC keeps check on a syllabus covered by the various departments on regular basis.

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

The Institute monitors the quality of teaching by several means such as

- Scrutiny of Course files prepared by faculty
- Regular meetings of the students' representatives of the class and the faculty
- Oral and written feedback from the students
- Students' performance in the internal examinations
- Students' results analysis
- Students' Academic project performance
- Minimizing the absenteeism of the students.

Teaching and learning process is best attained by interactive process between the teacher and the taught. The success of the teacher however, depends on their innate ability and art of his teaching methodology and through preparation for the class. These processes cannot be quantified or universalized. Generally the standard methods of teaching, learning and evaluation methods which are proven over the years are being followed. Institution makes regular effort to enhance the staff skills and their ability by organizing in house- training programs and or deputing the staff to get training in communication skills and other areas of standard methodology. IQAC keeps check on feedback on various departments' student feedback on regular basis for further improvements.

If more than 10 students fail in any subject, concerned faculty is counseled by the Head of the Department to identify the reason and to overcome the limitations.

Any short comings identified in theory class or practicals are being addressed through guest lecturers / conducting tutorials / printing reference materials.

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 policies:

1. HOD must send requirement of the faculty well in advance at the beginning of the academic year.

2. Open advertisement will be given for positions in two leading newspapers, one in English and one in telugu.

3. The selection committee comprising of Principal, HOD of concerned program and one senior

faculty of the relevant shall make the selection of faculty and staff.

4. Attendance sheet, Evaluation form, finalization then short list is obtained.

Retention policies:

1. Increments will be given to the faculty members every year based on performance, feedback reports, results and contribution of Department/College development.

2. Faculties are encouraged to conduct for quality improvement programs, seminars, conferences, workshops. For each faculty such opportunity provided twice in an year. Total Expenses to conduct the above programs will be bared by the institution.

3. Faculties are encouraged to attend for quality improvement programs, seminars, conferences, workshops. For each faculty such opportunity provided twice in an year. Registration fee, TA & DA will be provided by the institution.

4. Staff members are selected for best teacher award of the year based on their performance, conduct and commitment in their academic activities as well as their involvement in the departmental activities of the department and the college.

5. Senior faculties are encouraged by the institute for pursuing of Ph.D with 12 special casual leaves per year.

6. Yearly 15 CLs are provided for the faculty.

Attract the qualified faculty and retain the existing ones the institution provides requisite facilities like transport for teachers coming from a distance, facilities like library, internet etc.

- High perks are offered to the qualified faculty.
- Flexibility in timings for senior faculty specially those who are in research.

• To encourage staff to participate in workshops and seminars the faculty is considered as on duty and are provided with TA /DA and also with other benefits to upgrade their knowledge by participating in national and international seminars.

• During the last three years many of our teachers have participated in number of state and national level conferences and workshops.

Highest	Pro	ofessor	Ass Pro	sociate ofessor	Ass Pro	Total		
quanneation	Male	Female	Male	Female	Male	Female		
Permanent teachers								
Ph.D.	15	Nil	Nil	Nil	Nil	Nil	15	
M.Phil.								
PG			24	5	116	15	160	
UG					23	7	30	

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.

Efforts are being made to recruit able, knowledgeable, qualified faculty for all the programmes. In case of scarcity/unavailability for specific causes, senior and committed existing faculty is

identified and sent for advanced training by providing paid leave. All the expenses for the training being borne by the institute.

When new courses are introduced in to the curriculum by the universities few existing faculty in the department are identified for training. Workshop/FDP is planned to know about the new concepts. They are encouraged to participate in the Workshop/FDP organized by other colleges and universities to cope up with the new concepts. If necessary they will be sent to national laboratories/research centers/industries to provide special training.

S.No	Branch	Name of the faculty	Specialized
			subject
1	CSE	Mr .P Naresh	BIG DATA
2	CSE	Mr. K V Subrahamanyam	BIG DATA
3	EEE	Mr. T Srinivas rao	FACTS
4	EEE	Mr .P Anil Kumar	FACTS

A Workshop is organized in the college by SVNDT Visakhapatnam to provide necessary knowledge to the faculty.

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

a) Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty Nominated
FDP programmes	87
Conferences, Seminars, workshops etc.	112

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

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

S.No.	Dept	Name	Period	Program
1	CSE	Prof.Madhu Mutyam,	2015-16	Layered Computer Design
		Dept of CSE,IIT,Chennai		
2	CSE	Prof.N.L.Saikumar,	2015-16	Personality Development and
		IPE,Hyderbad		Positive Attitude

Academic Year 2015-16

3	ECE	Sri Bhagavan Prasad BSNL Representative, Visakhapatnam.	2015-16	Seminar on EETP program of BSNL
4	EEE	Prof. Jayatha Pal IIT,Bhuvaneswar	2015-16	Seminar on "Model order reduction and genetic algorithm"
5	MECH	Prof. B.V.R. Gupta Former Prosessor, Andhra University	2015-16	Kinematics and Machinery, Dynamics of Machinery
6	CSE	Sri J.Satyanarayana IT Advisor,Govt. of A.P	2014-15	Future Challenges in IT
7	CSE	Sri.Adapa Raja suresh kumar,CEO,Synchroserve Global Solutions pvt.Ltd,Hyderabad	2014-15	Outcome based Skill development

c) Percentage of faculty

* invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies -3.4%

* participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies - 13.5%

* presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies - 28%

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.)

• Recharging the teacher / faculty, is a serious concern of the institution and it allows the faculty to attend the State level and National level Seminars.

Study Leave:

1. Any faculty applied for the study leave, maximum of six months it is provided and one faculty per department is encouraged in the same tenure.

2. For the part time courses, study leaves provided with pay to attend for the classes.

Research:

1. The College encourages its faculties to undertake department-wise R&D Activities along with Students and other Staff Members.

2. Staff members can submit their proposals through the Head of the Department and can avail the components, towards developing a prototype or model.

3. College encourages the faculty to submit research proposals to DST, AICTE and to the other funding agencies.

4. Faculty is encouraged to pursue Ph.D, by providing Saturday as leave on adjusting of the work load.

5. Faculty is encouraged for doing industrial visits to get the projects.

6. The College encourages its teachers to take consultancy and R&D assignments within Institution, with other institutions or Industries, appropriate to the teachers' competence.

Paper Publications:

• The institution provides on duty leave to faculty for participating and presenting papers at National and International seminars/workshops/conferences.

• Reimbursement of registration fee is provided based on the quality of the paper publication and reputation of Journal through its impact factor.

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

Faculty Appraisal for the year 2014-15

The Faculty appraisals are decided based on their academic performance, feedback from the students and their contribution to the institute development. For the year 2014-15 following faculty are selected based on their performance. These appraisal certificate are hand over to the faculty on college day,(4th September 2014) and rewarded with Rs. 1000 per faculty.

S. No.	Name of the faculty	Dept.	Subject
1.	A. PARAYYA	S&H	ENGLISH
2.	J. KONDA BABU	S&H	ENGLISH
3.	MARAY THERESSA	S&H	ENGLISH
4.	P. ASHOK KUMAR	ECE	ES
5.	R. ANEEL KUMAR	ECE	TSSN
6.	MANGAMMA	MECH	CAD/CAM
7.	SUBRAHMANYAM	MECH	ASE
8.	G. BALAMURALI KRISHNA	MECH	UMP
9.	SHAJAHAN	MECH	M & MS
10.	V SUNEETHA	CSE	IRS

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

Yes. The feedback forms are collected from students on the performance of teachers and they are evaluated. Such evaluation is really improving the quality of teaching learning process. A faculty / teacher understands the area where he / she is very strong/ weak and suitable remedial measures are being taken through experts and visiting lecturers from internal and external sources.

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	- Novesh	3	1	1	7	5	5	5	-	~	3
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2.5 Evaluation Process and Reforms

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

A handbook which includes academic regulations, course structure and detailed syllabus is provided to all the students at the time of admission and it is available in the college website.

The Stakeholders of the institution i.e. students and faculty members and even the parents of the students are informed about evaluation process by giving general instructions mentioned in the prospectus of the institution.

The periodic instructions issued by the parent university are promptly communicated to the students. The students are individually provided with copies of the university syllabus which included the detailed evaluation procedure. Likewise they are informed at the start of the session regarding the terminal tests after the gap of three months. Students are clearly made aware of the eligibility conditions required to appear in the final exams. They are informed of the criterion of the internal assessment.

The evaluation is the integral part of teaching learning process. So, the institution makes effective arrangements for the smooth application of the rules about the evaluation processes. The college has developed a proper Mechanism for this purpose. Time to time staff meetings are also conducted to explain importance of evaluation process.

II. B.TECH II SEMESTER (R13)

JAWAHA RLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA EXAMINATION BRANCH, KAKINADA II B.TECH - II SEMESTER (R13 REGULATIONS) I MID EXAMINATIONS, JAN – 2017

STER (RIS REGULATIONS) I MID EXAMINATION

TIME TABLE

1		2	DATE AND DAY	Y	6	8
BRANCH	17-01-2017 (Tuesday)	18-01-2017 (Wednesday)	19-01-2017 (Thursday)	20-01-2017 (Friday)	21.01.2017 (Saturday)	23.01.2017 (Monday)
CIVIL ENGINEERING (01- CE)	BUILDING PLANNING AND DRAWING	HYDRAULICS AND HYDRAULIC MACHINERY	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS (Com. to CE, EIE)	CONCRETE TECHNOLOGY	STRUCTURAL ANALYSIS - I	STRENGTH OF MATERIALS- II
ELECTRICAL AND ELECTRONICS ENGINEERING (02 - EEE)	ENVIRONMENTAL STUDIES	SWITCHING THEORY AND LOGIC DESIGN (Com. to EEE, ECE, EIE, ECC)	PULSE AND DIGITAL CIRCUITS (Com, to EEE, ECC)	POWER SYSTEMS-1	CONTROL SYSTEMS	ELECTRICAL MACHINES-II
MECHANICAL ENGINEERING (03 - ME)	KINEMATICS OF MACHINERY (Com, to ME, AME, MM)	THERMAL ENGINEERING-I	PRODUCTION TECHNOLOGY (Com, to ME, AME)	FLUID MECHANICS AND HYDRAULIC MACHINERY (Com. to ME, AME)	<u>2075</u>	MACHINE DRAWING (Com. to ME, AME, MM)
ELECTRONICS& COMMUNICATIONS ENGINEERING (04-ECE)	ELECTRONIC CIRCUIT ANALYSIS (Com. to ECE, EIE)	SWITCHING THEORY AND LOGIC DESIGN (Com. to EEE, ECE, EIE, ECC)	ANALOG COMMUNICATION S	MANAGEMENT SCIENCE	EM WAVES AND TRANSMISSION LINES (Com. to ECE, EIE)	RANDOM VARIABLES AND STOCHASTIC PROCESSES
COMPUTER SCIENCE& ENGINEERING (05- CSE)	PROBABILITY AND STATISTICS (Com. to CSE, IT, CHEM, PE, PCE)	JAVA PROGRAMMING (Com. to CSE, IT)	ADVANCED DATA STRUCTURES (Com. to CSE, IT)	COMPUTER ORGANIZATION (Com. to CSE, IT, ECC)	FORMAL LANGUAGES AND AUTOMATA THEORY	11-251

CONTINUED ON PAGE-2

Academic calendar is common for all the affiliated colleges of the universities and is given to the colleges well in advance by the university. It includes schedule of internal exams, laboratory, external examinations and university strictly adheres to the schedule. There is no scope for the college to deviate the schedule as it is common to all the colleges. Hence college level activities/ events are planned keeping in mind the academic calendar by the university

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

The students are allotted with roll numbers based on the code and criterion given by the affiliating university. The internal evaluation is conducted for theory subjects on basis of descriptive, objective tests.

The University reformed the evaluation process from **R13 regulation**.

University has changed the weightage of marks for both internal and external exams. The internal exams are weighted for 30 marks and external exams are weighted for 70 marks. The internal marks are distributed as follows:

Descriptive examination: 15M Quiz examination: 10M Assignments: 5M From the academic year 2014-15 the quiz examination is reformed as online examination. The external marks are distributed as follows: PART – A: 22 M (One mandatory question) PART – B: 48 M (Has to answer 3 questions out of 6 questions and equal weightage is given for each question) In **R10 regulations** the internal examinations are weighed for 25M and external examination are weighed for 75M. The internal marks are distributed as follows: Descriptive examination: 15 M Quiz examination: 10 M The external examinations are for 75 marks (has to answer 5 questions out of 8 questions. Equal weightage is given for each question).

The university has initiated various evaluation reforms like

Reforms initiated by the University:

1. Introduction of internal assessment system.

2. Introduction of O.M.R Answer Sheets.

Reforms initiated by the institution:

- 1. Class tests and assignment tests are conducted to evaluate the performance of students.
- 2. Student centric learning through assignments, projects, seminars and practical sessions.
- 3. Periodical project reviews are conducted for assessment of student performance in projects.
- 4. Laboratory internal & external exams were evaluated by proper scheme of valuation.

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

The evaluation reforms of the university are followed in the best of the spirit. The evaluation is all fair; the students are satisfied by showing them the evaluated performance in the answer sheets. Any doubt about evaluation is made clear to the students. All records is maintained i.e. answer sheets, award lists etc. Whenever class tests and term tests are held the results of the student's performance/awards are shown to the students to encourage them or counsel them for better future performance. The institution has followed the improved examination system as prescribed by the JNT University, Kakinada.

Content beyond syllabus practices in courses, additional experiments in the laboratories, providing adequate importance to laboratory work, industrial training during summer, introduction of term papers and seminars, modernization and up gradation of equipment.

- Teacher evaluation by students (student feedback) and Self evaluation by teachers.
- Maintaining staff student ratio as suggested by the AICTE.
- Schedule of lectures in advance by the teachers (planning).
- Regulation of students' attendance through monthly progressive reports and student counseling.
- Organizing seminars, workshops, expert lectures etc.,

• Deputation of the faculty to improve qualification and knowledge base.

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

University is the sole authority for implementation of reforms in examination and evaluation but faculty members who are part of academic bodies of the university actively campaign for reforms. Even then for bringing about a positive change in the evaluation practices, the institution adopts both formative and summative methods of evaluation.

Formative Assessment - 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:

- 1. Assignments
- 2. Presentations
- 3. Field visits
- 4. Industrial visits
- 5. Class interactions
- 6. Group discussions/Viva-voce
- 7. Workshops/Seminars
- 8. Research activities
- 9. Projects
- 10. Written and practical tests
- 11. Organizing functions
- 12. Curriculum based training
- 13. Social activities
- 14. Inter college competitions
- 15. Overall attendance and conduct during the session.

Summative Assessment – 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 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 university conducts a summative evaluation at the end of each semester through the following.

- 1. Written Exams
- 2. Practical Exams
- 3. Viva voce
- 4. Project work.

	AV	ANTHI	INSTI	TUTE	OF EN	GINE	ERING	6 & TE	CHNO	LOGY			
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1	STUDENTS FEEDBACI	FORM	OF BTE	CH III-I	(Batch	-11) 14	ADMIT	TED BA	TCH, A		IC YEA	R 2016	-17
S NO	SUBJECT & HANDLING FACULTY	Punctuality	Regularity	Audibility	Board Work	Explanation	Teaching Aids Usage	Intraction With Students	Command Over Class	Follow up of Student	Motivation to Students	Syllabus Coverage	Overall Percentage
1	DOM	4	ч	u	3	ч	ÿ	4	3	4	. Li	ú	85%
2	MC & MT	4	3	4	4	4	ч	2	4	4	ч	4	70%
з	DMM-I	4	2	3	Ц	ч	4	4	4	4	4	Ц	80%
4	I&CS	e	4	4	3	3	4	4	3	Sy	3	4	90%
5	TE-II	4	4	21	4	4	4	4	4	4	4	4	99%
6	METROLOGY	4	3	2	4	2	3	ų	4	2	3	3	55%
7	IPR&P	4	4	4	4	Y	4	4	لر	4	4	4	80%
8	M&I LAB	4	4	4	4	21	4	4	4	4	4	4	90+1
9	MTLAB	4	2	4	67	4	4	4	4	ч	21	Ч	90%

NOTE: 1.Please Read the statements carefully, think and enter their appropriate grading EXCELLENT: 4 , GOOD: 3 , FAIR: 2 , POOR: 1 2. Do Not Indicate your Name or Roll no.

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

There is complete transparency in the internal assessment. The criterion adopted is as directed by the University. All the students are familiar about the transparency in internal assessment.

UG: B.Tech

The evaluation of the candidate is based on the continuous assessment. The structure for evaluation is as follows:

For R13 Regulations:

1. The performance of a student in each semester shall be evaluated subject wise with a maximum of 100 marks for theory subject and 75 marks for practical subject. The project work shall be evaluated for 200 marks.

2. For theory subjects 100 marks, that is divided as internal and external marks.

- End Examination 70
- Internal Assessment marks 30

3. For projects 200 marks, that is divided as internal and external marks.

- End Review–150
- Internal Assessment marks 50

However for reporting purposes a semester is divided into 2 discrete components identified as Mid1, Mid2. The better of the two tests will be considering. The weightage of internal marks distribution is as follows.

Internal distribution Descriptive Assignment Objective

Marks 15 5 10

1. For the End semester Examination is conducted covering the topics of all units for 70 marks.

Part-A contains a mandatory question for 22 marks. Part-B has 6 questions. The students has to answer 3 out of 6 questions, these questions carries 16 marks each.

For R10 Regulations:

Internal and externals are conducted for 25 and 75 respectively.

15

1. Two internal examinations are conducted for every semester. Each internal examination consists of one descriptive and one online test for each subject.

2. The best of the two tests will be considered.

Internal distribution Descriptive Online

Marks

 $-\frac{10}{10}$

3. For the End semester Examination is conducted covering the topics of all units for 75 marks. The paper has 8 questions. The student has to answer 5 out of 8 questions, Each question carry 15 marks.

PG: M.Tech

Internal and externals are conducted for 40 and 60 respectively.

1. Two internal examinations are conducted for every semester. Each internal examination consists of four descriptive questions for 40 marks.

2. The average of two internals will be considered as final internal marks.

3. For the End semester Examination is conducted covering the topics of all units for 60 marks. The paper has 8 questions. The students has to answer 5 out of 8 questions, these questions carries 12 marks each.

PG: MBA

1. Two internal examinations are conducted for every semester.

The weightage of internal marks distribution is as follows.

Internal distribution Descriptive Assignment Seminar

Marks 20 10 10

2. The average of two internals will be considered as final internal marks.

The internal assessment is made by the faculty Members keeping in mind the following aspects / factors of students' Performance during the academic year:

- 1) Class attendance
- 2) Class assignments
- 3) Score in the term examination etc.

4) CRT programs for internal training and higher education

Placement training is provided to the students beyond curriculum. Behavioral aspects and communication skills are comprehensive addressed in the placement training provided to the students. Communication skills are tested through report writings, presentations and group discussions

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

The College aspires transformational impact on students through comprehensive education by inculcating qualities of competence, confidence and excellence. The college has specified its graduate attributes clearly.

The graduate attributes specified by the college are:

I. Engineering Knowledge

II. Problem Analysis

III. Design and development solutions
IV. Investigation of complex analysis
V. Modern tool usage
VI. Engineer and society
VII. Environment and sustainability
VIII. Ethics
IX. Individual and team work
X. Communication
XI. Project Management & Finance
XII. Lifelong learning

The college ensures the attainment of the attributes of the students by Mapping with PO s Taking the Graduate Attributes and POs prescribed by ABET as reference, the Departmental Assessment Committee (DAC) has adopted the following cycle to define the Pos and by Mapping the pos with student attributes

Sl. No	Graduate attribute	Programme
		Outcomes(a – k, l)
1.	Engineering Knowledge	А
2.	Problem Analysis	B,D
3.	Design and development solutions	C,D
4.	Investigation of complex analysis	A, B, C, D, F, J
5.	Modern tool usage	K, L
6.	Engineer and society	D,F,H
7.	Environment and sustainability	С, Н
8.	Ethics	F
9.	Individual and team work	Н
10.	Communication	G
11.	Project Management & Finance	Н
12.	Lifelong learning	G

Programme outcomes:

a. The graduates will demonstrate knowledge of mathematics, science and engineering.

b. The graduates will demonstrate an ability to design and conduct experiments, analyze and interpret data.

c. The graduates will demonstrate knowledge in c, c++ and java programming.

d. The graduates will demonstrate their skill in applying software engineering methodologies in their project work.

e. The graduates will be able to develop applications in networking using network simulators.

f. The graduates will be able to comprehend the concepts of security threats and mechanisms to overcome them.

g. The students will be able to groom themselves to the requirement of corporate challenges.

h. The graduates will be capable of developing web based applications in specific verticals.

i. The students will be able to understand and develop mobile applications and value added services for the 3g systems.

j. The graduates will be able to demonstrate their understanding in the emerging areas of data mining and web mining.

k. The graduates will be able to develop software components using emerging technologies like java, .net, python, perl, php etc.

1. The graduates will be able to demonstrate their competitive skills among their peers.

establish the correlation between the pos and the peos (5)

	A	В	C	D	E	F	G	Н	I	J	K	L
PEO1	\checkmark				\checkmark		\bigvee				V	V
PEO2	\checkmark	\bigvee	\checkmark		\checkmark			\checkmark		V	V	V
PEO3	V	\checkmark	\checkmark		\checkmark			V	\checkmark	V	V	V
PEO4			\checkmark	\checkmark		\checkmark	\checkmark	V	\checkmark	V	V	

SI No	РЕО	Linked PO
1.	P1	A,E,G,K,L
2.	P2	A,B,C,E,H,J,K,L
3.	Р3	A,B,C,E,H,I,J,K,L
4.	P4	C,D,F,G,H,I,J,K

PROGRAMME EDUCATIONAL OBJECTIVES: PEO L

Graduates will have demonstrated a thorough grounding in the fundamental principles of Basic Sciences, English, other Engineering disciplines, Computer science & Engineering Subjects and practices of Computer Science and convey a professional attitude appropriate for a diverse world community.

PEO II

Graduates will have undertaken complex problems and developed appropriate technical solutions.

PEO III

Graduates will be prepared to communicate and work effectively on team based engineering projects and will practise the ethics of their profession consistent with a sense of social responsibility.

PEO IV

Graduates will have demonstrated exposure to emerging and modern technologies to succeed in engineering profession in various agencies and also pursuate advanced degrees in engineering.

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

Mechanisms for redressal of grievances at the college level:

• All grievances regarding evaluation, including the internal assessment marks awarded for the students, are redressed by committee which consists of faculty expert in corresponding subject and the Head of Department.

• In order to ensure transparency, the institution take cares by the internal marks are displayed in the notice boards and answer scripts of theory examination are given to the students for verification and corrective action if needed.

Mechanisms for redressal of grievances at University level:

• The college has to follow the instructions of the university. If students have any problem, the principal of the college communicate to the concerning authority (Controller of Exams or other offices) of the university about the grievances of the students.

• The affiliating university does the evaluation of the external examinations. The students can approach university for any grievances on evaluation by applying for recounting/revaluation/challenge valuation.

• There is a provision for re-evaluation and is permitted on request. The Registrar coordinates with the other members of the Examination board and assists students in the redressal of their problems regarding conduction of examination, evaluation process and declaration of results. For this process, some re-evaluation fee is charged from the student and evaluation process is again repeated. The examination are conducted and controlled by the university.

2.6 Student performance and Learning Outcomes

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

Yes, the college has clearly stated learning outcomes mentioned in its Vision & Mission. These are made aware to students and staff through:

- Vision, Mission prominently put up at strategic places in the College
- During inaugural function every year the college learning outcomes and performance report given by the Principal.
- Student handbook given to students on the day they join the college.

• All the faculty of the institution is maintaining course files which contain micro- level lesson plans, time-tables, unit-wise assignment topics, sample answer scripts of internal examinations, scheme of evaluation for internal question papers, sample assignments submitted by the students and internal marks statements

• Updated laboratory manuals prepared by the senior faculty of the respective departments are maintained. The laboratory files which include master readings, model calculations, day to day evaluation sheets, experiments completion sheet, lab schedule etc. are made available

The Outcomes Pyramid shown below presents a pictorial clarification of the hierarchical relationships among several different kinds of goals, objectives, and outcomes that appear in assessment.



The 'pyramid' image is chosen to convey the fact that increasing complexity and level of specificity are encountered as one move downward. The pyramid structure also reinforces the notion that learning flows from the mission of the institution down to the units of instruction.

Mission Statements of the College and Program

Mission Statement is a general, concise statement outlining the purpose guiding the practices of an institution. The student learning outcomes flow from the mission statements of the institution.

Goals of the Program (or Department)

Goals should provide a framework for determining the more specific educational objectives of a program PEO, and should be consistent with the mission of the program and the mission of the institution.

Outcomes:

- Learning Outcomes are statements that describe significant and essential learning that learners have achieved, and can reliably demonstrate at the end of a course or program through assessment tools .Learning Outcomes identify what the *learner will know and be able to do* by the end of a course or program. The program outcome assessment plan is set to primarily confirm that the students are achieving the desired outcomes. It is also used to improve the program and the student learning, based on real evidence
- *The learning outcomes approach to education* means basing program and curriculum design, content, delivery, and assessment on an analysis of the integrated knowledge, skills and values needed by both students and society.

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

1. Two midterm tests are taken during the semester. These tests are both subjective and objective. The institution evaluates the students through two mid tests and assignments during the semester.

2. The report is sent to the head of institution after evaluating in a fair and open manner. The parents are informed through letters and even telephonically (for weak students).

3. The students performance is closely monitored by their respective faculty mentors / counselors. The mentors interact with the Head of the department to suggest remedial actions such as extra classes and tutorials. The record of the whole evaluation process is transparent. The answer books are shown to the students. The head of the Department arranges to inform the parents through the following

- Display on the notice board
- Through periodic performance reports to the parents including attendance.
- Parents Teachers Meet

Result analysis:

Course	2015-16	2014-15	2013-14	2012-13
B.Tech(ECE)	81%	73%	83%	81%
B.Tech(EEE)	61.%	70%	73%	81%
B.Tech(CSE)	69%	72%	72%	74%
B.Tech(ME)	69%	67%	83%	71%
MBA	54%	56%	93%	97%
M.Tech(CSE)	85%	59%	47%	75%
M.Tech(VLSI)	50%	61%	42%	60%
M.Tech(PE)	87%	36%	34%	76%



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

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

• Students give feedback twice in a semester on Teachers and Teaching-Learning System for corrective actions.

• Students assess the level of achievement of course outcomes, at the end of every semester, to measure level program outcomes achievements in the institute assessment measures has done as direct and indirect.

Direct assessments provide for the direct examination or observation of student knowledge or skills against measurable learning outcomes. Faculty conduct direct assessments of student learning throughout a course are.

Direct Assessment Methods:

- 1. Using measurable performance
- 2. Indicators of Students' Performance
- 3. Exams
- 4. Assignments
- 5. Projects
- 6. Tutorials
- 7. Labs
- 8. Presentations

Project

Lab Record certificate





II. Indirect Assessment Method:

Indirect assessments of student learning ascertain the perceived extent or value of learning experiences. They assess opinions or thoughts about student knowledge or skills. Indirect assessment methods are:

- 1. Ascertaining opinion or
- 2. Self reports
- 3. Alumni Feedback
- 4. Employer Feedback
- 5. Course-end Feedback

Student

Course Learning



Alumni feed back



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?

To enhance the social and economic relevance of the courses offered the measures/ initiatives have taken.

a. Quality of Jobs: The institutes have Regular Industry Interactions, Job Fairs, Seminars, Work-Shops and Campus Placement Drives etc. to improve the student skills for getting quality jobs.

b. Entrepreneurship Development: To encourage the Engineering students, through an EDP Cell programs on Entrepreneurial Opportunities, Business Environment Scanning, Technology Changes, Marketing, Entrepreneurial Motivation Training etc., are to be organized.

Events Conducted so far:

List of seminars/workshops held by the Committee:

6	•	·
U		
Sri J.Satyanarayana I.A.S Advisor,IT,Govt.of Andhra Pradesh. Sri Adapa Raja suresh Kumar	Future Challenges in IT and Skill Development	6-10- 2015
Founder & CEO,Synchroserve Global Solutions Pvt.Ltd.Hyd.		
Sri M.Srikanth National Head Academy of Robotics	Entrepreneur development program &Two days workshop on Robotics and embedded systems	16 th to 17 th Oct 2015
5		
Sri Rayaprolu S.S Sarma Head Virtusa,Hyd	Career Opportunities	13- 02- 2015
Dr .M Laxminarayana Scinetist'H',DLRL&Vice Chairman,IEEE Hyd Section	Future Challenges in Military and Role of DLRL	14- 02- 2015
Sri T.Vasudeva Rao Head, Startup Village,Visakhapatnam	How to start SSI unit, general & financial aspects of SSI, Salient futures of project report	14- 02- 2015
Sri Narendra Nerla Vice President,Inspire Edge IT Solutions,VSP	Future Challenges in IT and Skill Development	14- 02- 2015
Dr .Deepak L.Waikar Energy consultant, Singapore	A two day skills, development workshop on sustainable and clean energy technologies resources	22 nd to 23 rd Jan 2015
JNTUK,Kakinada & Avanthi institute of engineering and technology & Visakhapatnam port trust. M.T.KRISHNA BABU, IAS Chairman, VISAKHAPATNAM PORT TRUST & Dr. G. Tulasi Ram Das Vice Chancellor	Exploring entrepreneurship opportunities in Andhra Pradesh" Organised by centre for entrepreneurship development JNTUK,Kakinada in association with Avanthi institute of engineering and technology&Visakhapatnam port trust	10 th to 11 th Oct 2014
	Sri J.Satyanarayana I.A.S Advisor,IT,Govt.of Andhra Pradesh. Sri. Adapa Raja suresh Kumar Founder & CEO,Synchroserve Global Solutions Pvt.Ltd.Hyd. Sri M.Srikanth National Head Academy of Robotics 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Sri J.Satyanarayana I.A.S Advisor,IT,Govt.of Andhra Pradesh.Future Challenges in IT and Skill DevelopmentSri. Adapa Raja suresh Kumar Founder & CEO,Synchroserve Global Solutions Pvt.Ltd.Hyd.Future Challenges in IT and Skill DevelopmentSri M.Srikanth National Head Academy of RoboticsEntrepreneur development program &Two days workshop on Robotics and embedded systems5Sri Rayaprolu S.S Sarma Head Virtusa,HydCareer OpportunitiesDr. M Laxminarayana Scinetist'H',DLRL&Vice Hyd SectionFuture Challenges in Military and Role of DLRLSri Navendra Nerla Vice President,Inspire Edge IT Solutions,VSPFuture Challenges in IT and Skill DevelopmentDr .Deepak L.Waikar Energy consultant, SingaporeFuture Challenges in IT and Skill DevelopmentDr .Deepak L.Waikar Energy consultant, SingaporeA two day skills, development workshop on sustainable and clean energy technologies resourcesJNTUK,Kakinada & Avanthi institute of engineering and technology & Wisakhapatnam port trust.Exploring entrepreneurship opportunities in Andhra Pradesh" Organised by centre for entrepreneurship development JNTUK,Kakinada in association with Avanthi institute of engineering and & M.TKRISHNA BABU, IAS Chairman, VISAKHAPATNAM PORT TRUST & Chairman, VISAKHAPATNAM PORT TRUST &

2013-14				
1	Sri S.SURYA Shankar,DGM(Telecom) Visakhapatnam Steel Plant	Career Opportunities in BSNL	5-04- 2014	
2	Sri K srinivasa Rao Div.Manager(Lines) APTRANSCO,Kalpaka	Career Opportunities in APTRANSCO	5-04- 2014	
3	Sri N Rajesh Group Head(Enterprise Marketing) Miracle Software systems	Historical background to Indian values entrepreneurship in the present scenario	5-04- 2014	
4	Sri M Prasad Sr.DGM(E&I),ANRAK,Makavarapalem	Career Opportunities	4-04- 2014	
5	Sri K Ajay AssociatevVice- President,ANRAK,Makavarapalem	Career Opportunities	4-04- 2014	
6	E-Plus club To improve communication Skills	Organizing inter collegiate E-Plus Club Challenge	Feb 22 2014	
2012-13				
			22	
1	Mr. Abraham Vergheese, Scientist-F, NSTL, Visakhapatnam	Enterprenincial oriented programme	22- 03- 2013	
2.	Mr. K. Veeru Naidu, TCS, Hyd	Career Opportunities	22- 03- 2013	

LIST OF INHOUSE TRAINING PROGRAMS CONDUCTED

Academic Year	NAME OF THE AGENCY	DATE
2015-16	Soft Skills , Group Discussion & Personal Development-MEDHA. Visakhapatnam	29-09-2015
	IBM-blue MIX technologies. IBM. Hyderabad	29-09-2015
	Soft Skills , Group Discussion & Personal Development.Senior Trainer.JKC.Hyderabad	30-09-2015,01-10-2015
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	CRT Classes by OMEGA Career Solutions. Hyderabad	Every Year
	Globarena -Hyderabad(JNTUK Partner)	Aug 2014-Dec 2014
2014-15	CRT Classes by OMEGA Career Solutions. Hyderabad	July 2014 to Feb 2015
	Soft Skills , Group Discussion & Personal Development. Senior Trainer,JKC,Hyderabad	9-09-2015 to 10-09-2015
	IBM-DB2 Workshop by JKC.Hyderabad	10,11 Nov 2015
	IBM Worklight by IT Associate.JKC	29-03-2014
2013-14	Globarena -Hyderabad(JNTUK Partner)	Sep 2013 to Jan 2014
	Soft Skills , Group Discussion & Personal Development-MEDHA. Visakhapatnam	Aug 2013- Sep 2013

c. Innovation: For innovation in research students are encouraged to undertake, participate in research projects, national seminar & conference. Research advisory committee identifies the various fields of research and assigns the research topic to relevant department.

d. Research aptitude: There is no provision for enhancing research aptitude. However preparation of field study report, project report and laboratory experiment done by the students may be considered as the first step to ignite their research aptitude.

Students are motivated through personality development and encouraged to participate in activities for social and community service. In Our institute NSS implements the issues in society such as tree-plantation, eradication of child labor and other issues in rural areas.

e. NSS:

Social activities are conducted in our college through NSS Events organized by NSS: 2015 - 16:

S. No	Details of the Activity	Place	Date	No. of
				Participants
1.	Independence day celebrations: flag	College	15-08-2015	200
	hosting, speeches competitions in rangoli and	Campus		

	patriotic songs.			
2.	Teachers Day Celebrations garlanding and	College	05-09-2015	400
	floral tributes to Dr.Radhakrishnan.speeches	Campus		
	on Dr.Radhkrishnan's life, worksn and			
	philosophical writings.			
3.	Campus cleaning: removing of plastic waste	College	14-11-2015	150
	material.	Campus		
4.	Birth Celebrations of	College	23-01-2016	400
	Subhashchandrabose.Garlanding the	Campus		
	portrait, speeches by Principal, Staff and			
	students.			
5.	Republic Day Celebrations: flag	College	26-01-2016	200
	hosting, speeches and gymnastic presentations	Campus		
	by students.Rangoli and elocution			
	competitions.			
6.	Awareness campaign on ship building	College	09-02-2016	300
	organized by NSS unit.	Campus		
	Shipyard DGM sri.Perummal,AGM			
	sri.Srinivasarao has given powerpoint			
	presentation.			

<u>2014 – 15:</u>

S. No	Details of the Activity	Place	Date	No. of
				Participants
1.	"CLEAN and GREEN" Campus Cleaning	College	05-07-2014	120
	programme following the dictum 'Dignity of	Campus		
	labor'.			
2.	Independence Day Celebrations.Flag hosting	College	15-08-2014	600
	by Dr.C.Mohanrao, Principal and faculty	Campus		
	members addressed the students.An			
	exhibition of photographs of freedom			
	fighters.singing the patriotic songs by			
	students.			
3.	Teachers Day Celebrations garlanding and	College	05-09-2014	800
	floral tributes to Dr.Radhakrishnan.speeches	Campus		
	on Dr.Radhkrishnan's life,worksn and			
	philosophical writings.			
4.	Removing waste material from "HudHud" hit	GVMC Girls	22-10-2014	150
	GVMC Girls High School, Anakapalle. Sri	High		
	M.Srinivasarao, MP and Chairman of Avanthi	School, Anakapa		
	Group of colleges, Principal, Staff and	lle		
	volunteers participated.			
5.	Campus cleaning: removing of plastic waste	College	14-11-2014	150
	material.	Campus		

6.	Republic Day Celebrations: Flag hosting by	College	26-01-2015	300
	principal Dr.C.Mohanrao.speeches by faculty	Campus and		
	and students.cleaning of waste material on	road near by		
	roadside for a distance of 1km.			

<u>2013 – 14:</u>

S. No	Details of the Activity	Place	Date	No. of
				Participants
1.	Plantation programme in the campus. The	College Campus	13-06-2014	150
	volunteers planted neem saplings and watered		&	
	them. They planted about 200 saplings around		14-06-2014	
	the college building. The program was			
	inaugurated by Dr.C.Mohanrao, Principal of			
	the college.			
2.	Road safety awareness programme.	College Campus	20-05-2014	250
3.	Literacy Campaign, books and pens were	Upper primary	19-05-2014	100
	distributed to the students. program launched	School,		
	by Dr. C. Mohan Rao	Thamaram		
4.	Awareness Programme on Communicable	Thamaram	05-05-2014	
	diseases.	village		
5.	RTI Awareness: There was an meeting for the	Thamaram	25-04-2012	
	villagers on RTI,	village		
	Convener RTI Rakshana vedhika,North			
	Andhra Region.			
6.	Cleanliness Campaign: Dr. C. Mohan Rao,	Pyidipala village	18-04-2014	
	Principal addressed the villagers of the			
	importance of cleanliness. Volunteers			
	presented Skits on individual cleanliness			
7.	Campus cleaning.	College Campus	19-03-2014	100
8.	Youth Festival: Youth festival celebrated on	College Campus	15-02-2014	200
	the occasion of Swami Vivekananda birthday.			
	Swami Gunesananda of Ramakrishna Mission			
	Visakhapatnam addressed the students.			

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

Institution has specified procedure to collect and analyze data on student learning outcome, the following points are adopted by the institute in this context:

- Midterm and continuous evaluation comprising of internal tests, assignments, group discussions and seminar presentations.
- Tutorials, class tests, viva in the lab
- Mini project

- Annual system of examination for all courses.
- Seminar presentation by students.

Institute has taken following steps to overcome barriers:

- Providing Question bank of various subjects to the students.
- Timely Redressal of students grievances.
- By showing answer books to students to make them understand their relative strengths and weaknesses.
- Minimum attendance limit for students to minimize absenteeism.
- Measures like remedial classes, assignments and extra classes are conducted for slow learners.
- counseling classes for weak students in the subjects to improve their performance
- Periodic evaluation helps the improvement of learning outcome
- Communication English classes are conducted to improve their oral, written and conversational skills to help them to cope up with the subject.
- The intended data is collected feedbacks from parents, alumni, experts from industry and the same is analyzed in order to overcome the barriers of learning.

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

	Assessment Tool	Assessment	Assess by	Reviewed by
		Frequency		
Cos(Course	Assignments	Four times in	Faculty	Faculty
learning	Examinations	Semester	Faculty	Department
outcomes)	Projects	Twice in a Semester	Faculty	Department
		Once in a Academic	-	_
		Year		
POs (programme	Assignment	Four times in	Faculty	Faculty
outcomes)	Examination	Semester	Examiners	University
	CO Feedback	Semester End	Faculty	Department
	Faculty	Semester End	Department	HOD/principal
	Feedback	Once in a semester		
PEOs(Programm	Employer	Every Year	Institute /	HOD/Principal
e Educational	Feedback	Every Year	Department	HOD/Principal
objectives)	Alumni			
	Feedback			

The IQAC of college have the following mechanism to monitor the students learning outcomes.

Based on the following assessment methodology the evaluation will be done on learning outcomes.

• Assessment of Outcomes from Student's Attainment

- Assessment of Outcomes Due To Faculty Contributions and Achievements
- Assessment Of Outcomes From Placement
- Assessment of Outcomes By External Stakeholders

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 indicators used by institution and individual teachers to assess the student performance are:

- Marks in internal exams.
- Class room performance and Behavioral aspects.
- Communication skills.

• In addition to the above, the introduction of the process of evaluation of teachers by the students is really improving the quality of teaching learning process. A faculty / teacher understands the area where he / she is very strong/ weak and needed remedial measures are being taken through experts and visiting lecturers from internal and external sources.

S. No	Assessment Criteria	Learning Outcome
1	Assignment assessment	To improve the performance of slow learners
2	Course learning outcome assessment	To improve the teaching learning process
3	Exit student Feedback assessment	To enrich the curriculum
4	Project assessment	Helps in gaining in depth knowledge
5	Attendance Assessment	Leads to regularity and punctuality

The following are the methods of assessment used as indicators of student performance:

CRITERIA III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 **Promotion of Research**

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

NO

The Institution has no recognized research center even though the following activities are conducted under research

- The Institution has formed different research groups based on area of specialization.
- Each group consists a group head followed by faculty members and students.
- Departments conduct workshops, presentations and awareness programs towards developing research activities.

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

Yes.

Institutional R&D committee:

Co-ordinator : Dr. Ch.Srinivasu

Sl.No	Branch	Name of the faculty
1	ECE	Dr. Ch. Srinivasu
		Dr.C.P.V.N.J Mohanrao
2	CSE	G.Apparao naidu
		M.Naresh babu
3	FFF	T Srinivas Rao
5		Dr. R.V.Amarnath
4 MECH		B. Ramesh
		N. Prakash Kumar

Based on the recommendations made by the Research and Consultancy Advisory Board

- > Suitable training programmes are suggested for staff and students.
- > The committee continuously reviews the work of Ph.D. research scholars.
- > Various National and International conferences in emerging areas are organized.
- Faculty members are preparing and submitting research proposals to various funding agencies.
- Internal assessment of the research proposals are done by the advisory experts from External committee
- External committee is entrusted with the task of identifying and recommending the projects which are suitable for internal funding

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

Autonomy to the principal investigator

- Faculty members are engaged with doctoral and other minor & major research projects. The principal investigator has full freedom in deciding the research area, research methodology, choice of books and instruments/equipments etc. for conducting the research projects.
- Timely availability or release of resources
- Institute provides all facilities and maintains timely release of funds for successful completion of the project in time.
- Adequate infrastructure and human resources
- The departments have established well equipped research labs with necessary software and computing facilities to carryout research projects.
- College recruited senior faculty possessing Ph.D. degree who is competent to take up and guide research projects. Central library facilities are enhanced up dating with online national and international journals, digital library, hand books, reference books and material related to research activity.
- The work- load of the faculty will be adjusted to meet any such demand that requires his/her presence in a project.

- Time-off, reduced teaching load, special leave etc. to teachers
- Faculties working on major research projects are given the facility to reduce their teaching work load to spend more time on research work.
- Institute sanctions academic leaves to faculty members for attending the workshops/seminars relevant to their research projects and associated works.
- 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.
- Facilitates timely Internal audit and external audit and submission of utilization certificate to the funding authorities

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

- All the staff members are advised to give the assignments and tutorials in such a way that students are motivated to refer to the latest journals while answering.
- To develop scientific temper and aptitude, the institution organizes tours to various organizations for the students of all departments.
- Various departments of the college also organize national level seminars, Workshops, awareness programs and technical events to create curiosity among the students as well as to get a chance to meet with the distinguished personalities of the related area.
- Interaction with scientists/ researchers to build scientific temper.

S.No	Name of the Event	Organized under	Date(s)	Activities organized
	Acad			
1.	PRERANA	College/ EEE	12 th & 13 th Feb 2016	Paper/Postal presentation, Technical Quiz, Guest lectures
2	Make a ROBO- 2015	MECH	17 th & 18 th Oct	Conceptual learning Hands on experience

			2015	
	Induction meet		6 th Oct,	Paper/Postal presentation,
2	Seminar on future	College/	2015	Technical Quiz, Guest
3	challenges in IT &	EEE		lectures
	Skill Development			
		Academic year	r 2014-15	
	ANVESHANA		13 14 th	Paper/Postal presentation,
1	2K15	EEE	Eeb 2015	Technical Quiz, Guest
			100 2013	lectures
	Ac	ademic year 201.	3-14	
				Paper/Postal presentation
1	ADIATE OV14	ECE	4 th April	Technical Quiz, Guest
1	ADLAZE- 2N14	ECE	2014	lectures
			4 th & 5 th	Paper/Postal presentation
2	TECH REPARIO	College	April	Technical Quiz, Guest
			2014	lectures
	A	cademic year 201	2-13	
			28 th Feb	Paper/Postal presentation
1	OMNIS 2K13	EEE	20 10	Technical Quiz, Guest
			2015	lectures
			1^{st} and 2^{nd}	Paper/Postal presentation
2	ECHELON-2K13	IETE	March	Technical Quiz
			2013	Guest lectures
	A	cademic year 201	1-12	
			7 th Feb	Paper/Postal presentation
1	E-CUBE	EEE	2012	Technical Quiz, Guest
			2012	lectures
			29 th Feb &	Paper/Postal presentation
2	ANUSTHANA	ECE	1 st March	Technical Quiz, Guest
			2012	lectures

			19 th	Paper/Postal presentation
3	YANTRIK	MECH	March	Technical Quiz, Guest
			2012	lectures
	DECONANCE		$5^{\text{th}} \& 6^{\text{th}}$	Paper/Postal presentation
4	RESONANCE-	College	April	Technical Quiz, Guest
	2K12		2012	lectures
			20 th April	Paper/Postal presentation
5	SUPRAYOGA	MBA	20 April 2012	Technical Quiz, Guest
			2012	lectures
	Ac	ademic year 201	0-11	
			25 TH	Paper/Postal presentation
1	SUSTANVITO	CSE, IT, MCA	March	Technical Quiz,, Guest
			2011	lectures
			12 th March	Paper/Postal presentation
2	ZAKTI	EEE	2011	Technical Quiz, Guest
				lectures
			4^{th} & 5^{th}	Paper/Postal presentation
3	ADWITIYA	ECE	March	Technical Quiz, Guest
			2011	lectures
	SANKETIKA		27 th -28 th	Paper/Postal presentation
4	SAINKETIKA	College	September	Technical Quiz, Guest
	SAMANAK		2010	lectures
			9 th April	Paper/Postal presentation
5	AIKYATHA	MBA	2011	Technical Quiz, Guest
			2011	lectures

3.1.5	Give details of th	e faculty	involvement in	active research	(Guiding s	student	research,
leading	Research Projects ,	engaged	in individual/col	laborative resear	ch activity	, etc.	

Some of the faculty members are actively involved in research activity at their own level. Faculty members from various departments have made their mark by completing their research attaining PhD degree .

S.No	Name	Department	Research	Specialization area	
121					

			Activity	
			Guided 2	
			Ph.D. students	
			1)Mr. Prem	
1.			Kujan,	
	D. CDVNI		Scientific	
	DI.C.P.V.N.J	CSE	officers,ECIL,	Coffmon Engineering
	Monanrao	CSE	Hyderabad	Software Engineering
			2)Mr.	
			L.S.Reddy	
			S/w	
			Engineering,T	
			CS,Chennai	
			7 students are	
2.	Dr. Ch. Srinivasu	ECE	being guided	Image Processing
			for Ph.D.	
3.	Dr. Rahmatulla	H & S		Mathematics
1	Sri. R.Uma	МЕСН	Ph D	Industrial Engineering
4.	Maheshwara Rao	WILCH	I II.D.	Industrial Engineering
5.	Sri. B. Ramesh	MECH	Ph.D.	HTES
6.	Sri, T. SrinivasaRao	EEE		Power systems
			Ph.D.	
7.	Sri. R. Prasad Rao	ECE		Micro wave
			Ph.D.	
8.	Sri. V.S. Prasanth	MBA	Ph.D.	Marketing

Faculty contribution:

S.No	Name of the Faculty	Department	No.of papers
1	Dr. CPVNJMohan Rao	CSE	26
2	Dr. M. Prasada Rao	CSE	13
3	Dr. K. Phani Krishna	CSE	10
4	Dr. M. Jyothi	MBA	04

5	Dr. Ch. Srinivas	ECE	15
6	Dr. P. Mohanayya	ECE	12
7	Dr. R. Uma maheswara rao	MECH	14
8	Dr. T. Venkateswara Rao	MECH	08
9	Prof. K.V.V. Satyanarayana	Chemical	16
10	Prof. N. Aruna	Chemical	12
11	Prof. SVJ Swamy	Chemical	46
12	Prof. Md. Rehmatulla	Maths	06
13	Prof. C.G. Rama Rao	Physics	60
14	Dr.R.V. Amarnath	EEE	15

Faculty guiding for M.Tech students:

Academic	No of	No of
year	faculty	students
2015-16	15	16
2014-15	15	18
2013-14	20	26
2012-13	17	25
2011-12	19	30

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

The college periodically conducts various programmes like workshops, seminars and training with a focus on strengthening the research culture among teaching staff and students by inviting researchers and academicians of different fields.

ECE DEPARTMENT

S.No	Name of the invitee & Designation	Topic of Lecture	Date & Year
	201	5-16	
1	Prof.C.B.Ramarao	Telecommunication broad	13-3-2016
1		band(2G,3G,4G)	
2	Sri J.Satyanarana,I.A.S,Advisor	A seminar on Future	06-10-2015
2	IT Govt.of Andhra Pradesh	Challenges in IT and Skill	

		Development				
	201	4-15				
	Prof. B. Prabhakara Rao,	New generation electronics	14 th of Feb			
1	Professor, ECE – JNTUK	& communications	2015			
	2013-14					
1	Prof .B.Prabhakara rao,Dept of	AWP	9-08-2013			
1	ECE,JNTUK					
2	MR .P.Sudhakar,Assoc.Prof of	DICA	7-9-2013			
2	vignan womens engg college					
2	Prof. Linga murthy,	Power quality issues	21-9-2013			
5	Professor, EEE, GITAM					
	201	2-13				
1	Mr. K Srinivas, Govt.	EDC	23 rd Sep			
1.	Polytechnic, Visakhapatnam		2012			
2	Mr. K Srinivas, Govt.	Antenna & Wave	19 th Sep			
2.	Polytechnic, Visakhapatnam	propagation	2012			
	Mr. Satish Kumar, Lendi		16 th Dec			
3.	Engineering college,	MPMC	2012			
	Visakhapatnam		2012			

MECH DEPARTMENT

Workshops:

S.No	Module	Any other	Duration	Resource	Partic
	Description	contributory		person	ipants
		industry/institute			
1	Heat transfer and	NIT,Warangal	1 day	Prof.	120
	thermal engineering			M.Bangaru	
	applications in			babu	
	industry & project				

	management				
2	Work Shop(HAPTIC ARM)	Academy Of robotics	2 days	Mr. Srikanth	84

Special Guest Lectures:

S.No	Name	Qualific	Designation	Subjects
		ation		
1	Dr. B.V.R. Gupta	Ph.D.	Former Professor,	Kinematics and Machinery,
			Andhra University	Dynamics of Machinery
2	Dr. N .Suman	Ph.D.	Prosessor, Andhra	Mechanics of Solids,
			University	Engineering Mechanics
3	Dr. K Durga Prasad	Ph.D.	Prosessor,	Refrigeration & Air
			GVPCOE	conditioning, Thermodynamics
4	Dr. Madhu Mutyam	Ph.D.	Professor,IIT,	Introduction to types of
			Chennai	processors
5	Dr. M.Bangaru babu	Ph.D.	Professor,NIT,	Heat transfer and thermal
			Warangal	engineering applications in
				industry & project
				management
6	Dr. Jayantha pal	Ph.D.	Professor,IIT,	Model ordered reduction
			Kharagpur	
7	Dr. C.B.Rama rao	Ph.D.	Professor,NIT,	Introduction about broad
			Warangal	band(2G,3G,4G)

8	Dr. Madhumutyam	Ph.D.	Professor,IIT,	Layered computer design
			Chennai	

CSE DEPARTMENT

S No	Veen	Name of the	Name of the	Tanias asyand
5. 190	rear	Industry	Entrepreneur	Topics covered
			Sri. T Rajeswara	He addressed about
			Rao	career oppurtunity in
1	2010 11	Vicalthanatham	HOD, IT	Public sector units.
	2010-11	Visakiiapatiiaiii Steel Dient	Department,	
		Steel Plant.	Visakhapatnam	
			Steel Plant	
			Sri. Ravi	Delivered a speech on
		Mahendra	Easwarapu,	bridge up the gap
2	2011-12	Satyam,	Head, Mahendra	between industry and
		VITA.	Satyam,	academia.
			VITA.	
			Mr. O. Naresh	Orientation programme
3	2011-12	Symbiosis		on opportunities in IT
				and related disciplines
		Mahendra	Sri Viswanadham	A seminar on IT
4	2012-13	Satyam	Head, Mahendra	industry and its
		Visakhapatnm	Satyam	Requirements.
		Mahendra		An interaction session
5	2012-13	Satyam	Sri Satya Topali	on career in IT and
		Hyderabad		how to achieve it.
		NSTI	Dr R V S	Role of young
6	2012-13	Visakhanatnam	Subhramanyam	engineers in research
		• Isakiiapatiiaili	Submannanyani	and development.

		NSTI	Sri. P.V.S Ganesh	Role of young
7	2015-16	Visakhapatnam	kumar, Assoc	engineers in research
			Director	and development.

EEE Department:-

1		Lecture on "An introduction to neural networks & its applications"	27/03/2010	Prof. B. Murali Mohan, IIT Kharagpur
2		Lecture on "Application of control systems to under water vehicles"	27/03/2010	K.V.Rao, DGM (Electrical), NTPC
3	2010-	Lecture on "Power quality"	28/03/2010	Prof. V. Bapi raju, AUCE(A), Vizag.
5	2011	Lecture on "Basics in Power Electronics"	27/03/2010	Prof. V. Bapi raju, AUCE(A), Vizag
6		Lecture on "An over view of Indian Power sector and power distribution automation"	28/09/2010	Prof. U. Tataji, Vice Chairman, APSCHE.
7		Lecture on "Challenges of Power System Engineer"	28/09/2010	T. Ramesh, C.E, APTRANSCO
8	2011 – 2012	Lecture on "Active and Reactive Powers, excitation systems and Power system Stabilizer"	12/03/2011	G. Ravi Kumar, SC- F, NSTL, Vizag

9		Lecture on "Control of systems with Flexible modes"	12/03/2011	Prof. M. Ramalinga Raju, HOD, EEE Dept, JNTU-K
10		Lecture on "EHV transmission"	12/03/2011	G. Ravi Kumar, SC- F, NSTL, Vizag
11		Lecture on "AC & DC DRIVES"	12/03/2011	E. Kali Prasad, DGM, MMSM
12		Lecture on "An over view of Indian power sector and power distribution Automation"	07/02/2012	Prof. Ch. Sai Babu, HOD, EEE Dept, JNTUK.
13	2012 – 2013	Lecture on "Transformers: Construction, testing and failures"	07/02/2012	Prof. P. Mallikarjuna rao, AUCE(A)
14		Lecture on "Advanced Control Systems"	07/02/2012	Prof. B. Murali Mohan, IIT Kharagpur
16	2013 -	Lecture on "Quality Assessments"	12/08/2013	G. Ravi Kumar, SC- F, NSTL, Visakhapatnam
17	2013 –	Lecture on "Mechanical Design of Overhead Lines & Sub-Stations	21/10/2013	N. Prasad, CGM, APEPDCL
18	2014- 2015	Lecture on " Advanced Power Electronic		Prof. Sai Srinivas, IIT Madras

		Controlers"		
19	2015-	Lecture on "Model	13/3/2016	Prof. Jayantha Pal,
	2016	ordered reduction"	13/3/2010	IIT Bhuwaneswar

EEE Workshops:

Wibuuic	Any other	Duration	Resource	Participants
Description	contributory		person	
	industry/institute			
till evelopment forkshop on ustainable d clean ergy chnological Resources	Singapore Energy audit , Singapore	22&23 January 2015, (2 days)	Sri. Deepak walker , Singapore	110nos.
	Description Description ill evelopment orkshop on stainable d clean ergy chnological Resources	Description contributory industry/institute ill Singapore Energy ivelopment audit , Singapore orkshop on stainable d clean ergy ehnological Resources	Descriptioncontributory industry/instituteDurationillSingapore Energy audit , Singapore22&23velopment orkshop on stainable d clean ergy hnological Resources2015, (2 days)	Any outerDurationDurationResourceDescriptioncontributory industry/institutepersonillSingapore Energy audit , Singapore22&23Sri. Deepak walker , 2015, 2015, 2015, (2 days)orkshop on stainable d clean ergy chnological Resources(2 days)Singapore

Mechanical Department:

S.No	Торіс	Resource person	Duration	Participants
1	Personality Development and Skill development	Dr. K V S G Murali Krishna Professor of civil Engineering,JNTUK	1 day	IV- Mech
2	Solar Energy & Renewable Management	Department of Mechanical Engineering, IIT-Chennai. Dr. K. Srinivasa Reddy	1day	IV- Mech
3	Industrial Opportunities	Sri. L.S Rao Vice- President An-Rak Aluminum Limited,	1 day	IV- Mech

	and HRM	Makavaripalem		
4	Industrial Skill development	Sri. R. Santosh Kumar ,Research Engineer , ISUZI	1 day	IV- Mech

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

a) Identify the research groups and each faculty

Sl .No	Name of the group	Experts
1	Power systems	T. Srinivasa rao
2	Power electronics	G. Rajasekhar yadav
3	Machine Design	P.Anil Kumar
4	Machine Design	M.V. Ramana Murty
5	Signal Processing	Dr. Ch. Srinivasu
6	Embedded systems	E. Govinda
7	Communication engineering	R. Prasad Rao
8	CAD/CAM	V. Hari Kiran
9	Machine Design	K. Nagaraju
10	Thermal enginerring	S. Ravi teja

b) prioritized research

Sl.	Prioritized research area	Expert	Facilities
No			
1	Radar Signal processing	Dr. Ch. Srinivasu	Digital Signal Processing lab
2	Embedded systems	E.Govinda	Embedded lab
3	Micro wave Engineering	R. Prasad rao	MicroAnteena measurements Lab
4	Power system	T. Srinivasa rao	High Voltage Lab
5	Power electronics	G. Raja sekhar yadav	Power electronics and drives Lab
6	Electrical Machines	P. Anil kumar and M.V. Ramana Murty	Machine Design Lab

7	Manufacturing systems	K.Naga raju	Metal cutting and machine
			tools Lab
8	Thermal Engineering	S. Ravi teja	Fuels and oils Lab

c) list of faculty and their specialization

S.No	Name of the faculty	Expertise Area	Dept.
1	Dr. Ch. Srinivasu	Signals and systems	ECE
2	Mr E Govinda	DSCE	ECE
3	Mr R Prasada Rao	DSCE	ECE
4	Mr B.N Srinivasarao	VLSI	ECE
5	Mr M Kedareeswara	Instrumentation	ECE
6	Mrs Ch.V. Sridevi	Radar and Microwave	ECE
7	Mr T Pattala Naidu	Instrumentation	ECE
8	Mr M. Ranganath Sarath	DSP	ECE
9	Mr Y Naveen Kumar	CS	ECE
10	Ms D Prasanna Kumari	VLSI D	ECE
11	Mr V V Satya Narayana	ECE	ECE
12	Mr D Rahul	VLSI D	ECE
13	Mr P Ashok Kumar	VLSI D	ECE
14	Mr R Aneel Kumar	VLSI SD	ECE
15	Mr P Sahitya Kiran	DSP	ECE
16	Mr K.Uma Shanker	VLSI	ECE
17	Mr .D Lakshminarayana	Radar and Microwave	ECE
18	Mr. Venkata Ganesh	VLSI SD	ECE
19	Mr G.Venkata Rao	VLSI SD	ECE
20	Mr K Chandra Sekhar	VLSI	ECE
21	Ms P Sri Satya	Radar and Microwave	ECE
22	Mr SV Sudheer Kumar	VLSI SD	ECE
23	Mr K.Sateesh Kumar	Radar and Microwave	ECE
24	Mr K.Santosh kumar	C& SP	ECE
25	Mr T.Sreedhar	DSCE	ECE
26	Mrs P.Raghava kumara	DECS	ECE
27	Mr K.Dhilli	DECS	ECE
28	Mr Balaji KA	VLSI	ECE
29	Mr D Sreenivasa rao	ECE	ECE
30	Ms. R.Ramya	Radar and Microwave	ECE
31	Dr. R V Amarnath	Power Systems	EEE
32	V V Satyanarana murthy	Power Systems	EEE
33	T Srinivasarao	Power Systems	EEE
34	M V RamanaMurty	Power Systems	EEE
35	D K A S Prasad	Energy management	EEE

36	P Anil Kumar	Power electronics and electrical drives	EEE
37	P Varahala Dora	Control systems	EEE
38	K. Tejeswara Rao	Power systems and automation	EEE
39	K Durga Rao	Instrumentation & Control Systems	EEE
40	U Anjaiah	High Voltage Engineering	EEE
41	S Sujatha Devi	Control systems	EEE
42	G Raja Sekhar Yadav	Power electronics and electrical drives	EEE
43	R. Bhargav	Instrumentation and Signal Processing	EEE
44	J.N. Rama Krishna	Power Electronics	EEE
45	V.S. Aditya	Control Systems	EEE
46	B. Santosh Kumar	Control Systems	EEE
47	R. Appala Naidu	Power Electronics and Electrical Drives	EEE
48	R. Ganesh	Power systems	EEE
49	Sk. Salima	Power systems	EEE
50	V. Hari Kiran	CAD/CAM	MECH
51	K. Naga Raju	Machine Design	MECH
52	S.Subramanyam	CAD/CAM	MECH
53	K. Siva Appa Rao	Machine Design	MECH
54	K.Krishna	Machine Design	MECH
55	S. Ravi Teja	Thermal Engg.	MECH
56	V. Venkaya Naidu	Aerospace Engg.	MECH
57	V. Suma Priya	Machine Design	MECH
58	S. Ravi teja	Thermal Engg.	MECH
59	Ch. Swathi	CSE	CSE
60	Y. Siva Prasad	CSE	CSE
61	Y. Srinivasu	CSE	CSE
62	V Revanth Kumar	CSE	CSE
63	Naidu Sekhar Y	CSE	CSE
64	A Bharath Kumar	CSE	CSE
65	S. Lokesh	CSE	CSE
66	D. Anusha	CSE	CSE
67	A. Priyanka	CSE	CSE
68	N. Sridevi	CSE	CSE
69	D. Ravi	CSE	CSE
70	N. Swaroop	CSE	CSE
71	P. Rajasekhara	CSE	CSE
72	B. Nanada Kishore	CSE	CSE
73	S. Dileep	CSE	CSE
74	S. Anusha	CSE	CSE
75	P. Naresh	CSE	CSE
76	M. Naresh	CSE	CSE
77	G Naidu Appa Rao	CSE	CSE
78	Peela Naga Lakshmi	CSE	CSE
79	K. V. Subrahmnayam	CSE	CSE
80	Ch. PVNJ Mohan rao	CSE	CSE

81	V. Suneetha	CSE	CSE
82	S. Satya Pavan Kumar	CSE	CSE
83	P Sudha Rani	CSE	CSE
84	N. Ashok Kumar	CSE	CSE
85	S. Madhu	CSE	CSE
86	K. Vara Prasad	CSE	CSE
87	P. Prabhakar V Satya	CSE	CSE
88	G. Varahagiri	CSE	CSE
89	S. Manikanta Vinod	CSE	CSE
90	J. Rajesh	CSE	CSE

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

- The college organizes National Conferences, Symposiums, Workshops and Seminars as the important tools of collaboration where experts from academia and industries are invited for delivering special lectures and interact with teachers and students.
- Various short-term training programs for faculty are organized, for which experts are invited to deliver special lectures and deliberations on important issues.
- The faculty members are encouraged to collaborate with eminent Professors of reputed institutions for their research activities.

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?

FIP and study leave facility is available in the college for faculties. However, during the current block period teachers have not availed this facility. Faculty who are pursuing research are doing it on parttime basis, since college timings is most encouraging for carrying out research activity.

The following faculty availed study leave

- 1. Sri. T Srinivasa Rao, Dept. of EEE, has utilized leave in process of his Ph.D. at ANDHRA University.
- 2. Sri. R. Prasad Rao, Dept of ECE has availed in process of his Ph.D. at GITAM University
- 3. Sri. B. Ramesh, Dept. of Mech for his ongoing Ph.D. at JNTUK, Kakinada.
- 4. Sri. V. Sai Prasanth, Dept. of MBA.

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

- Interaction seminars are organized by the departments to the pre final and final year students to motivate them to take up contemporary research topics as their academic projects
- Necessary interaction will be provided to them, that projects related exposures will be taken by the institute
- > Orientation classes and conferences/workshops being organized by the department

Sl .no	Project title	Specialized Area	Faculty
1	Solar street lightning	Embedded systems	R. Prasad Rao
2	Remote controlled	Embedded systems	E. Govinda
	Notice board		
3			



Solar Street lightning using MPPT algorithm

Remote controlled Notice board



Liquor Detectior



Single cylinder Di-Diesel engine with catalytic converter 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.

The Institution receives grant from management exclusively for research, seminars and workshops. Over and above the grant expenditure is borne by the Institution from its own resources. In the recent past, total expenditure incurred from its own resources was 1.8% of the total budget.

Sl.No	EV	Amount spent on Seminars/	Additional	In- House
	Γĭ	Workshops/Conferences/Publication	Equipment	R&D
1	2015-16	20Lakhs	0.93Lakhs	1Lakhs
2	2014-15	16.2Lakhs	1.52Lakhs	1Lakhs
3	2013-14	12.65Lakhs	1.05Lakhs	1Lakhs
4	2012-13	12.8Lakhs	0.97Lakhs	1Lakhs
5	2011-12	9.08Lakhs	1.2Lakhs	1Lakhs

Allocated amount

Expenditure incurred in last three years:

SINo	EV	Amount spent on Seminars/	Additional	In- House
51.INU	ГІ	Workshops/Conferences/Publication	Equipment	R&D
1	2015-16	12.6Lakhs	1.0Lakhs	1.0Lakhs
2	2014-15	13.8Lakhs	0.8Lakhs	1.2Lakhs
3	2013-14	11.2Lakhs	1.2Lakhs	1.Lakhs
4	2012-13	10.6Lakhs	1.3Lakhs	0.8Lakhs
5	2011-12	9.1Lakhs	1.0Lakhs	1.2Lakhs

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

Yes.

The college provides seed money to faculty, to carry out the project as part of research. Also provides sponsorship for attending national level conferences, workshops seminars and faculty development

programs. So far over the last four years the amount disbursed and the percentage of faculty availed this facility may be reasonable.

Exp. Head	2015-16	2014-15	2013-2014	2012-2013	2011-2012
Higher studies fees reimbursement	Rs.100000	Rs.100000	Rs.120000	Rs.80000	Rs.50000
Incentives for publications	Rs.20000	Rs.20000	Rs.100000	Rs.15000	Rs.10000
Seminars/ paper presentation	Rs.120000	Rs.150000	Rs.120000	Rs.130000	Rs.80000

AV	Seed money	No of
AI	Amount	faculty
2015-16	Rs.60000	04
2014-15	Rs.60000	03
2013-14	Rs.120000	06
2012-13	Rs.100000	05
2011-12	Rs.80000	04

S.No	Drasia at Title	Amount	ount Name of the I		
	Project Title	in Rs.	in Rs. Faculty	ment	
107					

1	Remote notice board with GSM	15000	P. Ashok Kumar	ECE
2	Design of wheel chair to stretcher	20000	V. Harikiran	Mech

S.No	Project Title	Amount in Rs.	Name of the Faculty	Depart ment
1	Automatic solar panel tracking system by using micro controller	20000	Sri. S.Subramanyam	Mech
2	Prioritized maximum demand controller	20000	Sri. P. Anil kumar	EEE
3	Smart Helmet by ignition system using wireless	20000	Sri. E.Govinda	ECE

2013-14

S.No	Project Title	Amount	Innovation	Name of the Faculty
1	Wireless electronic notice board message updating using GSM	20000	GSM	E.Govinda
2	Water lift and fertilizer pumping using cycling	20000	Machine design	P. Krishna Kiran
3	Fabrication of compressed air vehicle	20000	Automobile engineering	V.Harikiran
4	Auto main failure system	20000	Power systems	P. Anil kumar
5	Finger print ignition	20000	Implementatio n	B. N. Srinivasarao
6	Accident identification using GSM and GPRS	20000	GSM	M. Kedareeswara rao

				Faculty
1	Dam-door control system using GSM technology	20000	GSM	E.Govinda
2	Fabrication of Hover craft	20000	Implementation	B.Ramesh
3	Power Control Using Mobile Phone For Agriculture	20000	Power Systems & relays	Ch Ravi Kumar
4	Security and safety to plastic currency users	20000	Implementation	R. Prasad rao
5	Live human detection with wirless robot	20000	Implementation	B.N.Srinivasa rao

S.No	Project Title	Amount	Innovation	Name of the Faculty
1	Remote notice board using GSM led panel designing	20000	GSM	E.Govinda
2	Switching of Three-phase motor by using GSM and relay based technology	20000	Protection - Rely Logic – Machines	Ch. Venkat rao
3	Zig bee based wireless weather station	20000	Wireless NWT	B.N.Srinivasarao
4	Arm processor based biomedical monitoring system	20000	МРМС	R.Prasad rao

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

Labs are established in all the departments .The labs are equipped with requisite facilities for students to take up their project work in the Institution itself.

Department	No of	Amount
Name	Projects	in Rs.
ECE	2	20000
MECH	1	10000
EEE	1	10000

Department	No of	Amount
Name	Projects	in Rs.
ECE	01	15000
MECH	01	15000
EEE	01	10000

2013-14

Department	No of	Amount
Name	Projects	in Rs.
ECE	02	40000
MECH	01	20000
EEE	01	15000

2012-13

Department	No of	Amount in
Name	Projects	Rs.
ECE	02	30000
EEE	01	20000

Department	No of	Amount in
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Name	Projects	Rs.
ECE	02	20000

S No	Duciest Title	Amount	Students roll no	Depart
5.110	rioject litte	in Rs.	Students fon no	ment
1	Solor popul		12811A0435,418	ECE
	Solar paller	10000	,447,441	
2	Pamota notice board with CSM		12811A0416,444	ECE
2	Remote notice board with OSW	10000	432,438,	
3	Design and fabrication of agricultural		12811A0304,308	Mech
5	pump set without fuel	5000	,317,335	
			12811A0381,395	Mech
4	Design of wheel chair to stretcher	5000	,388,13815A033	
			5	
			12811A0237,138	EEE
5	Wireless power transfer	5000	15A0201,207,21	
			3	
	Automatic irrigation system on sensing		13815A0205,209	EEE
6	soil moisture content	5000	212,12811A0216	
			,220	
7	Secure website launcher		13815A0503,1281	CSE
/	Secure website fautienci		1A0558,555,539	

S No	Project Title	Amount		Depart
5.110	riojeet litte	in Rs.	Students fon no	ment
1	Auto intensity control of led street lighting	10000	11811A0201,207	EEE
	systems		,208,216,229	
2	Android control robotic boat to travel in	15000	11811A0429,436	ECE
2	water with wireless video and voice		,433,le-409	
3	Fabrication of thermo electric refrigerator	15000	11811A0310,322	MECH

			,323,350,351	
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S No	Droiget Title	Amount in	Students roll	Depart
5.110	Project Itte	Rs.	no	ment
1	Talking energy meter	15000	10811A0206, 224,236,250	EEE
2	Fabrication of abrasive Jet machine	20000	348,328,339, 351	Mech
3	A home network system with mobile communication using Android	20000	10- 457,401,439, 416	ECE
4	Fire detection and identification in train	20000	10- 425,407,458, 434	ECE

2012-2013

S No	Project Title	Amount	Students roll no	Departme
5.110	r toject fille	in Rs.	Students for no	nt
1	Power theft and misuse blocking	20000	09811A0206,207	FEE
1	systems	20000	,210,223,224	
2	Mobile detecting robot	20000	09 -	FCF
2	Mobile detecting tobot	20000	4B3,497,410.465	LCL
2	GSM controlled robot for human	10000	09-	ECE
3	detection and surveillances	10000	409,402,407,421	ECE

S.No	Project Title	Amount in Rs.	Depart ment
1	Intelligent train system with cracking detection system	10000	ECE

	location monitoring using GSM		
2	Power line communication for advertising led panel	10000	ECE

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

The institute has been organizing inter disciplinary seminars and workshops on latest technologies. Institute invites experts from the industry (NSTL and DRDL) to strengthen and provide necessary guidance and encourage research activity in inter-discipline area. Institute encouraging students to attend works and to do projects in different field of engineering. Few projects and students activities listed below.

2015-16

S.No	Name of the Project	Department involved
1	Solar panel	ECE
2	Design and fabrication of agricultural pump set without fuel	Mech

2014-15

S.No	Name of the Project	Department involved
1	Matlab based robotic arm control for medical treatment	ECE and MECH

2013-14

S.No	Name of the Project	Department involved
1	Foot step to electricity	ECE and EEE
2	Power Control Using Mobile Phone For Agriculture	EEE

S.No	Name of the Project	Department involved
1	Dam – Door Control system using GSM Technology	ECE

Z	Foot step to electricity	EEE and ECE
2	East star to all stricter	EEE and ECE

S.No	Name of the Project	Department involved
1	E-zone Can based accident control system using ARM processor GSM cell phone jammer in college premises	CSE and ECE
2	Electronic Village Remote notice board using GSM LED panel designing	ECE and EEE



3.2.5 How does the institution ensure optimal use of various equipment and research facilities 144

of the institution by its staff and students?

- To Encourage/ motivate the staff and students to take a forward step to pursue research in their relevant field/interests. The institute is always eager to purchase new edition of books every year.
- The Institute has a well stocked library which includes latest syllabi as well as reference books of all relevant subjects and disciplines
- Basic research facilities are available in all departments.
- Internet connectivity has also been provided in all departments to help them review their academic as well as research works.
- Institute also ensures that the deserving students should be facilitated to use the equipments, books, Journal, and lab facilities of the department beyond the Institution timing and also during winter/summer vacations.

Sl.no.	Name of the Lab	Name of the Equipment
1	HVE lab	Performance and parameter estimation of the
		transmission line
2	Control systems lab	ABB PLC Module
3	Power semi conductor drives	3phase full wave controlled rectifier
4	Communication Lab	Spectrum analyzer
5	FM & HM Lab	Siemens Pneumatic PLC
6	Thermal Engineering	Fuels Lab

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.

NO

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

Interactive sessions are arranged by the college for senior faculty to provide awareness regarding funding agencies and sponsored researchers.

S.No	Details Of The Speaker With	Topic Covered	Year
	Designation		
	Sri V.Madusudhan,Chairman and	Research and development	2015-16
1	managing, Visakhapatnam steel		
	plant		
2	Sri. P.V.S.Ganesh kumar,	Research and development	2015-16
	NSTL,Visakhapatnam		
	Sri. M.Venkataratnam,Scientific	Emergency cut of in industry	2015-16
3	Officer-H,BARC,Visakhapatnam	as in IEEE	
4	Sri. K.Nagaraju,Vice	Material and management	2015-16
	President, ANRAK		
5	Sri. M.Bhagavan Prasad,SDE-	Telecom Communication	2015-16
	EETP,BSNL,Visakhapatnam	Networks broad band	
6	Dr.M.Lakshmi narayana	Antennas	2014-15
	DLRL,Hyderabad		
	Dr.G.Ravi kumar	Acuators , Advanced Controls	2014-15
7	Scientist G,Assoc.Director	Systems	
	NSTL,Visakhapatnam		
8	Sri. S. Surya Shankar	Telecom Communication	2014-15
	DGM(telecom),BSNL	Networks	
	Sri. Y.S. Chowdary	Science And Engineering	2014-15
9	Hon'ble Minister of state for	Research Programs And Grants	
	Ministry of science &		
	Technology & Earth Sciences		
10	Sri. N.Prasad CGM APEPDCL	Quality assessments	2013-14
11	Sri.P.Trimurthulu,Sc.F,	Advance control systems	2013-14
	NSTL,Visakhapatnam		
12	Sri. Viswanadham	A seminar on IT industry and	2013-14
	Head, Mahindra Satyam	its requirements.	

	Sri Satya Topali, Mahindra	An interaction session on	2013-14
13	Satyam,Hyderabad	career in IT and how to	
		achieve it.	
14	Dr R V S Subhramanyam,	Role of young engineers in	2013-14
	NSTL, Visakhapatnam	research and development.	
15	Sri. T.S.Murali General manager	Product designs and	2012-13
	(Operations and Corp. Planning)	innovations	
	B.H.P.V. Visakhapatnam.		
16	Sri. L.S.Rao VP(operation)	Challenges in product based	2012-13
	Anarak, VSP	organizations.	
17	Sri. T.Hanuman Choudary.	Human Resource	2012-13
	Member State Government	management, and	
	Advisory Committee	Entrepreneurship	

3.3 Research Facilities

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

• Major research facilities are being developed in the campus are available in each department apart from central library facility of the institute being utilized by faculty members, research Scholars and students.

• The institute has fully furnished computer laboratories located in different departments

apart from central computing lab of the institute. There are approx 530 Terminals (Dual Core, Pentium) with UPS back up service. UNIX / LINUX operating systems and branded servers.

• High speed internet connectivity up to 40 Mbps through BSNL Leased Line is available and it has been provided to all departments to enable the faculty and students to pursue their academic as well as research activities.
• All the departments are provided with a project lab with necessary equipment/ computers/ software/ tools to take up projects at under graduate and post graduate level. Measures are taken to strengthen these project labs to take up research activities.

CSE Department.

- About 60 advanced computer systems are available with high end configuration to take up projects.
- A set of dedicated servers deployed in a fully networked configuration based on the latest concept of server computing.

ECE department.

• Opto-electronics Lab and Advanced Communication Engineering lab were developed for research.

• The ECE Department is equipped with Research and Development Lab exclusively meant for students and researchers to carry out their research. It is equipped with latest tools like Tanner, Xilinx, MatLab, MPLAB, Kiel - C and Network Analyzer which help the researchers to do research in cutting-edge technologies.

Electrical & Electronics Department.

- All the papers of the IEEE online available.
- A special lab is having latest software as well kits for power electronics for higher education and research work only.
- CAD lab having latest software's for research work including MATLAB 10, PSCAD-4, and PSPICE.
- Each group of students can avail Internet facilities for project and research work.
- Sufficient numbers of computers with Internet connection are available for student and faculty researchers.

Mechanical Engineering Department.

- Engineering Workshop
- Production Technology
- Mechanics of solids and Metallurgy Lab
- Fluid Mechanics and hydraulics Lab
- Machine Tools Lab
- Electro logy & instrumentation Lab
- •Thermal Engineering Lab
- Heat Transfer Lab
- Simulation Lab

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?

Institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers are:

• Encouraging faculty and students to attend research programmes, workshop, seminars, Conferences conducted in the Institute and at other organizations. Institute reimburses the registration fee, conveyance and provides on-duty leave for the participants.

Encouraging faculty members to organize research workshop, seminars, Conferences, with funding internally.

• The Research committee keeps in touch with recent trends in the research oriented programmes.

•The library of the institute is enriched with wide range of books and various national and international journals. Online IEEE journals are also accessible to the researchers.

• Successful completion of research programmes lead to appreciation and academic carrier building.

• High bandwidth Internet facility along with Wi-Fi connectivity is provided in the campus to the faculty and students for carrying research works.

• The College invites industry experts frequently and arranges interaction meets for the students to provide the latest information about the industry requirements. It also helps them to get an understanding of contemporary issues and latest happenings all over the world. The following are the industry interaction sessions arranged by the college.



Prof. Madhumutyam ,IIT, Chennai

Prof. Jayantha Pal IIT Bhuwaneswar



Prof. R.V.Raj Kumar , Director IIT Bhubaneswar



Sri V.Madusudhan, Chairman Managing Director Visakhapatnam steel plant



M.Venkataratnam,Scientific Officer-H BARC



Sri. P.V.S.Ganesh kumar, SC. G NSTL, Visakhapatnam

Prof. B. Prabhakara Rao Rector, JNTUK



Sri Nagaraju, General Manager, BSNL and Prof. Padma Raju, Professor, Department of ECE, JNTU Kakinada releasing souvenir on the eve of Adwithiva



Prof. B M Mohan, Professor, Department of EE, IIT, Kharagpur delivering a lecture on the eve of Sanketik Samahar



Mr Ray Perera , CEO, Kenexa technologies, Visakhapatnam addressing our students



Sri. L S Rao, Vice-President, ANRAK Addressing the Students on the eve of Yantrik



M. S. Subramanyam, Head, TCS, Hyderabad taking up a session to our students



Mr. Ravi Eswarapu, Head, Mahindra Satyam Visakhapatnam addressing our students

CSE:

S. No	Year	Name of the Industry	Name of the Entrepreneur	Topics covered
1	2010-11	Visakhapat nam Steel Plant.	Sri. T Rajeswara Rao HOD, IT Department, Visakhapatnam Steel Plant	He addressed about career development in public sector units.
2	2011-12	Mahendra Satyam, VITA.	Sri. Ravi Easwarapu, Head, Mahendra Satyam, VITA.	Delivered a speech on skill assessment between industry and academia.
3	2011-12	Symbiosis	Mr. Naresh	Orientation programme on opportunities in IT and related disciplines
4	2012-13	Mahendra Satyam Visakhapat nam	Sri Viswanadham Head, Mahendra Satyam	A seminar on IT industry and its requirements.
5	2012-13	Mahendra Satyam Hyderabad	Sri Satya Topali	An interaction session on career in IT and how to achieve it.

	NSTL,	Dr R V S	Role of young engineers in
	Visakhapat	Subhramanyam	research and development.
2012-13	nam		
		Sri. P.V.S Ganesh	Role of young engineers in
0015 16	NSTL,Visa	Kumar,Assoc.Direct	research and development.
2015-16 k	khapatnam	or,Visakhapatnam	
	2012-13 2015-16	2012-13 NSTL, Visakhapat nam 2015-16 NSTL,Visa khapatnam	NSTL, VisakhapatDr R V S Subhramanyam2012-13namSubhramanyam2015-16NSTL,Visa khapatnamSri. P.V.S Ganesh Kumar,Assoc.Direct or,Visakhapatnam

Mech:

S.No	Name of the Invitee	Topic Discussed	Month/Year
1	V.Madhusudan,Chairman and	Product designs and	March/2016
1	Managing director, Visakhapatnam	innovations	
2	K.Nagaraju,Vice	Material and management	March/2016
2	president,ANRAK		
3	M.Bangarubabu,	NIT,Warangal	March/2016
	T.S.Murali	Product designs and	March /2012
	General manager (Operations and	innovations	
4	Corp. Planning)		
	B.H.P.V. Visakhapatnam.		
	T.Hanuman Choudary.	Human Resource	March/2011
5	Member State Government	management, and	
	Advisory Committee	Entrepreneurship	

EEE and ECE:

	Details Of The Speaker With	Topic Covered	Year
	Designation		
1	M.Bhagavan Prasad	Tele communication	2015-2016

	SDE-EEPT,BSNL,Visakhapatnam	broad band	
2	M.Venkataratnam,Scientific Officer-	Advanced overhead	2015-2016
	H,BARC,Visakhapatnam	transmission systems	
3	Dr.M.Lakshmi narayana	Antennas	2014-15
	DLRL,Hyderabad		
4	Dr.G.Ravi kumar	Actuators	2014-15
	Scientist G, Assoc. Director	Advanced Controls	
	NSTL, Visakhapatnam	Systems	
5	Sri S Surya Shankar	Telecom Communication	2014-15
	DGM(telecom),BSNL	Networks	
6	Sri. Y.S. Chowdary	Scientific And	2014-15
	Hon'ble Minister of state for Ministry	Engineering Research	
	of science & Technology & Earth	Programs And Grants	
	Sciences		
7	Sri. N.Prasad CGM APEPDCL	Quality assessments	2013-14
8	Sri. P.Trimurthulu, Sc.F ,	Advance control systems	2013-14
	NSTL,Visakhapatnam		
9	Sri Viswanadham	A seminar on IT	2013-14
	Head, Mahendra Satyam	industry and its	
		requirements.	
10	Sri Satya Topali, Mahindra	An interaction session	2013-14
	Satyam,Hyderabad	on career in IT and how	
		to achieve it.	
11	Dr R V S Subhramanyam, NSTL,	Role of young engineers	2013-14
	Visakhapatnam	in research and	
		development.	
12	Sri. T.S.Murali	Product designs and	2012-13
	General manager (Operations and	innovations	
	Corp. Planning)		
	B.H.P.V. Visakhapatnam.		

13	Sri. L.S.Rao VP(operation) Anrak,	Challenges in product	2012-13
	VSP	based organizations.	
14	Sri. T.Hanuman Choudary.	Human Resource	2012-13
	Member State Government	management, and	
	Advisory Committee	Entrepreneurship	

Events conducted by the College:

S.No	Name of the Event	Date/Month/Y
		ear
1	PRERANA-2k16	12 th & 13 th
		Mar 2016
2	Avishkar-2k15	13 th &14 th
		Feb,2015
3	Induction meet Seminar on future challenges	6 th Oct, 2015
	in IT & Skill Development	
4	Robotics 2 days Workshop	17 th & 18 th
		Oct, 2015
5	Tech Reperio	4 th & 5 th
		April,2014
6	OMINIS 2k13	9 th March 2013
7	Tech Envisage-2k13	9 th Feb 2013
8	Yantrik 2k12	19 th Mar,2012
9	E-Qube 2k12	7 th Feb,2012
10	Adwitiya 2k 11	4 th Mar,2011
11	Susantivo 2k11	25 th Mar,2011
12	Zakti 2k11	12 th Mar,2011

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

No

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

• Various departments deputing to relevant organizations for the purpose of providing training facilities to their students for taking up research oriented project work. Students also avail facilities through their department heads and aware of emerging trends in the respective fields.

• UG and PG students are encouraged to do their final year project work at reputed organizations Visakhapatnam Steel plant, NTPC, BSNL, BHPV, APTRANCO, and APGenco to get real-time experience

List of Companies where students done their research projects

Mech:

2013-14

S.No	Title	Name of the company	No of students
1	Design, Analysis& Modifications of conveyor gear	Vizag Steel	4
1	box i/o coupling gear hub	plant	
2	Failure analysis & Rectification of blast furnish	Vizag Steel	4
Z	ceiling valve	plant	
2	Development of indigenious fiux in summerged	BHEL	4
5	welding for carbon steel		
1	Analysis and trouble shooting of hydraulic machines	Vizag Steel	4
+	in LMMM	plant	

EEE

2011-12

S No	Title	Name of the	No of
5.110	1 tue	company	students
1	Study of grid sub-station	APTRANSCO,	1
		Pendurthi	4
2	Study of power transformer and it's protection	APTRANSCO,	1
		parawada	4
3	Automation of continuous casting machine-2	VSP,	2
		Visakhapatnam	3
4	AC electric Locomotives	Khargpur	
		workshop, South	3
		eastern railway	
5	Overview of power generation & distribution	HPCL,	Λ
	system at HPCL	Visakhapatnam	4
6	ISBM PLC changing	VSP,	4
		Visakhapatnam	4
7	Circuit breakers & Relays at HPCL	HPCL,	r
		Visakhapatnam	Z
8	Energy conservation in electro static precipitator	VSP,	4
		Visakhapatnam	4
9	Study of circuit breakers in switching sub station	APTRANSCO,	5
		Gajuwaka	5
10	power generator distribution & GIS	HPCL,	2
		Visakhapatnam	3
11	Study of acquisition system	VSP,	1
		Visakhapatnam	4
12	Study of relays, circuit breakers and traction motors	Electric loco	
	used in electric locomotives	shed	4
		,Visakhapatnam	

13	Relays, Types of relays, for different applications and GIS sub stations	HPCL, Visakhapatnam	4
14	Replacement of static excitation system in pLakhse of rotary excitation system in GET's	VSP, Visakhapatnam	5
15	Study of live line technique	APTRANSCO, Gajuwaka	4
16	PLC of induction motor driver 400 bar air compressor	HSL, Visakhapatnam	3
17	Generator protection	HPCL , Visakhapatnam	4
18	Power distribution in LBSS-1	VSP, Visakhapatnam	3
19	Overview of NTPC	NTPC Ltd, Visakhapatnam	4

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

Faculty who are doing part time Ph.D. are availing the following facilities provided in the library. College is having computerized library with catalogue and e-journal facilities.

- On special request from the researchers, books required for research is made available and the library facilities can be availed for extended hours.
- The college has established a well stocked library with text books, Reference books, National and international journals, Magazines, materials beyond the syllabus like GATE, GRE, TOEFL and other required books to learn good communication skills.

Dept of mechanical

S.No	Title	Accessing Mode
1	Claro: Robotics	Print

2	Caro:Thermodynamics	Print
3	Oaro: Material Science	Print
4	Oaro: Fuels	Print
5	International Journal of Advanced Mechatronics and Robotics	print
6	Journal of Advancement in Machines	Online+Print
7	Journal of Automation and Automobile Engineering	Online+Print
8	Journal of Recent Activities in Production	Online+Print
9	Journal of Mechanical Robotics	Online+Print
10	Journal on Mechanical Engineering	Print
11	Journal on Material Science	Print
12	Bulletin of Materials Science	Print

Dept of Computers

S.No	Title	Accessing Mode
1	Journal of Computer Science Engineering and Software	Online+Print
	Testing	
2	Journal of Image Processing and Artificial Intelligence	Online+Print
3	Journal of Android and IOS Applications and Testing	Online+Print
4	Journal of VLSI Design and Signal Processing	Online+Print
5	The IUP Journal of Computer Sciences	Print
6	Digit With CD	Print
7	International Journal of Data Mining & Emerging	Print
	Technologies	
8	Journal on Cloud Computing	Print
9	DESIDOC Journal of Library & Information Technology	Print

10	ICTACT Journal on Soft Computing	Print	
11	Journal on Software Engineering	Print	
12	Journal on Computer Science	Print	
13	Journal on Cloud Computing	Print	
14	Journal on Pattern Recognition	Print	

Dept of Civil

S.No	Title	Accessing Mode
1	Indian Concrete Journal	Print
2	International journal of civil engineering and Construction Technology	Print

Dept of Electronics

S.No	Title	Accessing Mode
1	Journal of Analog and Digital Devices	Online+Print
2	Journal of Electronics and Communication Systems	Online+Print
3	Journal of Power Electronics and Devices	Online+Print
4	Journal of Control System and Control Instrumentation	Online+Print
5	IEEMA Journal	Print
6	International Journal of Web Applications	Print
7	The IUP Journal of Electrical & Electronic Engineering	Print
8	The IUP Journal of Telecommunications	Print
9	ICTACT Journal on Micro Electronics	Print
10	ICTACT Journal on image and Video Processing	Print
11	ICTACT Journal on Communication Technology	Print

12	Journal on Circuits and Systems	Print	
13	Journal on Electronics Engineering	Print	
14	Journal on Wireless Communication Works	Print	
15	Journal on Digital Signal Processing	Print	

Dept of Electrical

S.No	Title	Accessing Mode
1	Journal of Electrical and Power System Engineering	Online+Print
2	Journal of Advances in Electrical Devices	Online+Print
3	Journal of Instrumentation and Innovation Sciences	Online+Print
4	Journal of Controller and Converters	Online+Print
5	Inventi Impact: Energy and Power	Print
6	Inventi Impact: Power Electronics	Print
7	Claro: Solar Energy	Print
8	Caro: Electrical Engineering	print
9	Journal on Electrical Engineering	Print
10	Journal on Image Processing	Print

Dept of Management

S.No	Title	Accessing Mode
1	IIMB Management Review	Print
2	Vikalpa: The Journal of Decision Makers	Print
3	The Indian Journal of Industrial Relations	Print
4	Harvard Business Review	Print

5	Indian Journal of Trainging & Development	Print	

Mislaneous Journals

S.no	Title	Accessing mode	
1	Journal on English Language Teaching	Print	
2	The Journal of CPRI	Print	

Magazines 2016-2017

Name Of the Magazine	No of Issues
Electrical India	12
Auto Car India	12
Banking Services Chronicle	12
Business World	26
Business Today	26
Competition Success Review	12
General Knowledge Today	12
India Today – English	52
Indian Management	12
Inside-Outside	12
Kurukshetra	12
Mahindra's –English	12
Mathematics Today	12
Motor-India	12
Pratyogita kiran –English	12
Reader's Digest	12
Voice and Data	12
Yojana	12
Open Source for you	12
Total	19

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

3.4 Research Publications and Awards

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

- Patents obtained and filed (process and product)
 No
- * Original research contributing to product improvement
- * Research studies or surveys benefiting the community or improving the services.
- Research inputs contributing to new initiatives and social development
 No

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?

No

3.4.3 Give details of publications by the faculty and students:

CSE 2015-2016

S.No	Name of faculty	Title of paper published	Journal/Conference	Volume/Year
	Anusha	An experimental anchor	International journal	Vol-4, Issue-
1	paidi/P.Rajsekhar	primitive based on artificial	of Scientific	42,ISSN 2319-
		intelligence problems built	Engineering and	8885pages

No

		on top of captcha	Technology(IJSETR)	9135-9138
		technology		
2	Anusha paidi/P.Rajsekhar	An efficient implementation of clustering based feature subset selection algorithm for high dimensional data	International Journal of Computer Science Information and Engineering Technology (IJCSIET)	
3	Alekhyasuma/P.Rajse khar	Hybrid supervised and unsupervised learning approach for node classification	International Journal on Emerging Trends in Technology (IJETT).	Volume- 32,Number 4 ISSN:2231- 5381, Feb 2016
4	Yerra sivaji/P.V.S.Prabhakar /Dr.C.P.V.N.J Mohanrao	A novel approach to data storage in cloud computing security schemes to information confidentiality	International journal of Scientific Engineering and Technology(IJSETR)	Volume- 4,Issue- 46,ISSN:2319- 8885,Nov-2015
5	Mutyala Narendra, Boddu Nanda Kishore	An efficient frequent pattern generation with utility and flag matrix	International Journal of Engineering Trends and Technology (IJETT),	Volume 31(2),87-90, ISSN:2231- 5381,Jan-2016
6	Mutyala Narendra, Boddu Nanda Kishore	An integrated approach on personalized travel package recommendation based on trast model	International journal of Scientific Engineering and Technology(IJSETR)	
7	Yeluri Venky, Suneetha Vesalapu	An Emperical model for out sourced databases	International Journal of Engineering Trends and Technology (IJETT),	Volume 32(4), 175-179, ISSN: 2231-5381 February 2016.
8	Anusha/N.V.Ashok Kumar	Improving security and efficienct in attribute based	International Journal of Research in	Volume-5/4- 1502,July-2015

		sharing	Computer Science & Engineering(IJRCSE)	
9	T.Hemanth kumar/N.V.Ashok kumar	A Secure frame work for datamining in distributed architecture	International Journal of Engineering Trends and Technology (IJETT),	Volume 28 Number 5,ISSN:2231- 5381,Oct-2015
10	Kancherla vasudev/N.V.Ashok kumar	A Novel method for computing top k-routing plans for a given keyword query	International journal of Scientific Engineering and Technology(IJSETR)	Volume-4 Issue- 43,ISSN:2319- 8885,Oct-2015

CSE: 2014-15

S.No	Name of faculty/Student	Title of paper published	Journal/Conference	Volume/Year
		A simple mode of rekeying	International Journal	Vol-22,Num-
	P.Srinivasarao/P.Rajas	anatomy using map theory	of Engineering	1,Apr 2015
1	ekhar		Trends and	
			Technology (IJETT)	
		An empirical model of	International Journal	Vol-16,Num-
	Y.V.Sivaprasad/P.Raj	secure clustering technique	of Engineering	1,Oct-2014
2	asekhar	over decentralized	Trends and	
		architecture	Technology (IJETT)	
		A secure clustering	International Journal	Vol-19,Num-3,
	Nimmagadda	mechanism in out sourced	of Engineering	May-2015
3	Naresh/P.Rajasekhar	databases	Trends and	
			Technology (IJETT)	
	Javva	An efficient string	International Journal	Vol-19.Num-
4	vamsikrishna/P.Prabha	transformation for user	of Engineering	1ISSN:2231-
4	kar	input query	Trends and	5381,Jun-2015

		Technology (IJETT)	
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CSE: 2013-2014

S No	Name of	Title of naner nublished	Journal/Conference	Volume/Vear
5.110	faculty/Student	The of paper published	Journal Conterence	volume, rear
	N.V.ashok/	a novel and efficient	International Journal	Volume 2
1	Dr.C.Mohanrao/S.N.V	implementation of user	of advanced and	,Issue 11,2013
	.Brahmaji	search histories	innovative research	
		a proximity phrase	International Journal	Volume
	M.satyanarayana/Tallu	association pattern mining	of Engineering	4,Issue 5,
2	ri Nalini	of unstructured text	Trends and	May 2013
			Technology	
			(IJETT)	
	S.Dileep/	a performance comparison	International Journal	Volume
	M.Satyanarayana	of high utility based	of Engineering	4,Issue 5,
3		mining algorithms	Trends and	May 2013
			Technology	
			(IJETT)	
	M.Satyanarayana/Siva	a cryptographic privacy	International Journal	Volume 4,
	sankar vakkalagadda	preserving approach over	of advanced and	Issue 7
4		classification	innovative research	July 2013
		an empirical model of	International Journal	Volume 2,
5	Prof. C.P.V.N.J	pattern search algorithm	of advanced and	Issue 11,2013
5	Mohan Rao/V.Kumar		innovative research	
6	V.kumar/NagaLakshm	a novel suffix based pattern	International Journal	Volume 2,
	i	mining on sequential	of advanced and	Issue 11,2013

	pramoda/Prof.C.Moha	datasets	innovative research	
	nrao			
	K.S.Lakshmi/V.Kuma	a lexical pattern based	International Journal	Vol 2,Issue
7	r/Prof.C.Mohanrao	method for searching of	of advanced and	11,2013
		personal name	innovative research	
	Prof.C.Mohan	Comparative Analysis of	International Journal	Vol 2,Issue
8	Rao/V.Kumar/Vasude	Effective Pattern Search	of advanced and	11,2013
	vareddy	Implementation	innovative research	

CSE 2012-2013

S.No	Name of faculty	Title of paper published	Journal/Conference	Volume/Year
	V.Kumar	Intrusion Tolerant Architecture	International Conference	2012
1		Using Proxy Networks	On Nano Sciences And	
			Engineering	
	S.S.Pavankumar/	Wave Atoms Decomposition	International Journal of	Vol. 2 (3),
	Sai Charan	Based Eye Iris Image	Computer Science	2011,
2	Dhatrika/	Compression	And Network Security	ISSN:0975-
	Deepika Puvvula			9646

CSE 2011-2012

S.No Name of faculty Title of paper published Journal/Conference Volume/	ea
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				r
	V.Kumar/YManas	Framework For Suggesting	International Journal	Vol-2(5),Oct
1	a/P.Satish Babu	Popular Items To Users By	of Computer Science	2011,
1		Analyzing Randomized	and Engineering	ISSN:2229-
		Algorithms		6093
	Dr.C.P.V.N.J.Moh	Modeling And Re-	International	Vol. 2(3),
	anrao/S.S.Pavanku	Employment Of Differential	Journal of Computer	2011, 1743-
2	mar/Nandagiri	Unit Test Cases From System	Science and	1746, ISSN:
2	R.G.K prasad	Test Cases	Information	0975-9646.
			Technologies,	
	B.Venkateswarlu/	Assessing The Quality Of A	IJCEM International	Vol. 14,
	Pancha Mukesh	Software Service At The	Journal of	October
2		Time	Computational	2011
5		Of Project Development By	Engineering &	ISSN(online:
		Identifying Its Reputation	Management	2230-7893
	V.Jayavani/M.Ven	A Novel Application For	International	Vol. 3 No. 5-
	kata kishore	Transmission Of Orthogonal	Journal on Computer	May 2011,
		Embedded Images By Using	Science and	ISSN: 0975-
4		Morphological Transform	Engineering	3397.
		Domain & Cryptographic	(IJCSE)	
		Methods		
	Dr. C.P.V.N.I	Fuzzy Slia Decision Tree For	Global Journal	Volume
	Mohan	Ouantitative Datasets	Computer Science	11.Issue
5	Rao/S.S.Pavan		And	19.Nov 2011
	Kumar		Technology	

ECE: 2015-2016

S.No	Name of faculty	Title of paper published	Journal/Conference	Volume/Year
	Pandipati prasant	Speed and area optimized	International Journal	Vol-3,Issue
1	kumar/E.Govinda	realization of 5 port router	of VLSI Design and	08,Pages 1199-
1		using verilog HDL	Communication	1202,Oct-2015
			Systems (IJVDCS)	
	Budumuru srinu &	Design and analysis of	International	Dec-2015
2	C.Darmaraj/R.Pras	multisusstrate microstrip	Conference	
	adrao	patch antennae	SPRINGER	
	Ponna	Realization of multi	International journal	Vol-3,Issue-
	Prabhavati/P.Asho	operand address based 64	of VLSI system	8,ISSN:2322-
3	k kumar	bit modified WalLakhse	Design and	0929,Pages
		MAC	communication	1213-1216,Oct
			Systems	2015
	G.Sowjanya/M.Ke	Implementation of speed	International Journal	Vol-3,Issue-
	dareswarao	optimized CSLA	of VLSI Design and	8,ISSN:2322-
4		architecture using D latch	Communication	0929,Pages
		approach	Systems (IJVDCS)	1169-1172,Oct
				2015
	Chowta palli	Evaluation of sparse tree	International Journal	Vol-3,Issue-8,
	prathyusha/T.P	RSFQ adder for high speed	of VLSI Design and	ISSN:2322-
5	Naidu	applications	Communication	0929,pages
			Systems (IJVDCS)	2015
	Indrani	Implementation of power	International Journal	Vol-3,Issue-8,
	Pasupuleti/D.Rahu	optimized PRPG with low	of VLSI Design and	ISSN:2322-
6	l varma	transition test compression	Communication	0929,pages
		technique	Systems (IJVDCS)	1217-1223,Oct-
				2015
	Bandi	Design of fault coverage	International Journal	Vol-3,Issue-8,
7	Renuka/R.Aneel	circuit with efficient	of VLSI Design and	ISSN:2322-
	Kumar	hardware for low power	Communication	0929,pages

		testing applications	Systems (IJVDCS)	1269-1272,Oct-
				2015
Ε	CE: 2014-2015			
S.No	Name of faculty	Title of paper published	Journal/Conference	Volume/Year
		Implementation of ripple	IJARCCE	Vol-3,issue-
1	P N Sriniyasaraa	cany and cany skip adders		10,oct-2014
1	D.IN.SIIIIVasarao	with speed and area		
		efficient		
		Speed optimized 2D DCT	IJAIR	Vol-3,issue-
2	P N Sriniyasaraa	implementation for high		9,2014
2	D.IN.SIIIIVasarao	compression rate		
		applications		
		Design and simulation of	International journal	Vol-4, issue-1., Jan-
		NOC routed using	of scientific research	2015
3	T.Pattala naidu	VERILOG	in computer science	
			application and	
			management studies	
		Low power implementing		Vol-3,issue-
1	M Kadaraswarao	using clocked power		1,pages 0108-
4	WI.Keuareswarao	goding		0112,ISSN:L2322-
				0929,Jan-2015
		Design of self checking		
		carry select adder of		ISSN:2322-
5	M.Kedareswarao	higher order bits		0929,Vol-3,pages
				1116-1172issue-
				8,Oct-2015

ECE: 2013-2014

S.No	Name of faculty	Title of paper published	Journal/Conference	Volume/Year
1	Sistla V Sudheer	Background Subtraction with	International Journal	Volume 4

	Kumar / B.N.	Feature Extraction Based on	of Engineering Trends	Issue 9-
	Srinivasa Rao / E.	FPGA	and Technology	Sep,2013,ISSN
	Govind		(IJETT)	: 2231-5381
	Mr. R. Prasad Rao	High Speed Architecture	International Journal	Volume 4
	1	Design Of Viterbi Decoder	of Engineering Trends	Issue 10 - Oct
2	B.N.Srinivasarao/	Using Verilog HDL.	and Technology	,2013
	Karri Megha		(IJETT)	ISSN: 2231-
	Shyam			5381
	Sri M	Message Encoding in Images	International Journal	Vol. 2 Issue 8,
2	Kedareswara Rao	Using Lifting Schemes	of Engineering	August – 2013,
3			Research &	ISSN: 2278-
			Technology (IJERT)	0181,
	Kedhareswarao/Ba	An FPGA architecture based	International Journal	Volume 4,
	lakrishna	on linear and morphological	of Engineering Trends	Issue 6,
4	Rupavath	image filtering	and Technology	June 2013
			(IJETT)	

ECE: 2012-2013

S.No	Name of faculty	Title of paper published	Journal/Conference	Volume/Year
	Mr.R Prasada	Semi-custom	IRACST - International	Vol.1,No.3,
	Rao/N.Venkatagane	Implementation of high	Journal of Advanced	Dec 2012
1	sh Moturi	speed, Area efficient 16:1	Computing,	ISSN: 2319-
		multiplexer	Engineering and	281X
			Application (IJACEA),	
	Rongali Aneel	Design and analysis of 16-	International Journal of	Vol.1,Issue 7,
	Kumar, B.N.	bit full adder using	Advanced Research in	Sept 2012,
2	Srinivasa Rao, R.	Spartan-3 FPGA	Computer Engineering &	ISSN:2278-
	Prasad Rao		Technology	1323
			(IJARCET)	
2	Mr.E	A Novel Approach of	International journal of	Volume
5	Govinda/Emily	speed optimization Design	scientific Engineering and	01,Issue No.2,

	Grace	for General Linear	Technology Research	Jul-Dec 2012,
		Feedback Shift Register		ISSN 2319-
		Structures		8885
4	Mr. BN Srinivsa Rao/T.Divya Bharathi	Published a paper named "Design and Implementation of Low- Power High- Speed Full Adder cell using GDI Technique"	International Journal of Engineering Science and Innovative Technology (IJESIT)	Vol 2, issue 2, 2012
5	Mr. BN Srinivsa Rao/K.Ramu	Published a paper named "Implementation of area efficient 16bit adder in SPARTAN-3 FPGA"	International Journal of Engineering Science and Innovative Technology (IJESIT)	ISSN: 2319 Vol 2, issue 2, Mar 2012 -5967
6	Mr. BN Srinivsarao	Published a paper named "Carry-save adders in FPGAs"	International Journal of Electronics and Computer Science Engineering (IJECSE)	Vol 2,issue 3, 2012
7	Mr. BN Srinivasarao	Published a paper named A FPGA Implementation of memory efficient distributed arithmetic FIR filter"	International Journal of Computer Science & Engineering Technology	Vol 2,issue 9, Sept 2012
8	Rongali Aneel Kumar/ B.N. Srinivasa Rao/ R. Prasad Rao	Design and analysis of 16- bit full adder using Spartan-3 FPGA	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)	Vol. 1,Issue 7, Sept 2012 ISSN:2278- 1323
9	Mr. P Ashok Kumar/B.Vijaya bhaskar	Design of adiabatic logic based low power carry select adder	International Journal of Engineering Research and Applications (IJERA)	Vol 2,issue 6, July 2012

	Mr. M Kedareswara	A full custom design and	International Journal	2012
10	Rao	implementation of		
		counting bloom filter.		
	Divya Madhuri,	Design of reconfigurable	International Journal of	Vol. 1,Issue 7
	Kedhareswarao,	multipliers based on high	Engineering Research &	(September -
11	Madhavi Latha,	speed Shannon adder	Technology (IJERT)	2012)
	Bolla Prasad			
	Divya Madhuri/	Analysis of reconfigurable	2nd International	2012
	Kedhareswarao/Ra	multipliers for integer and	Conference on	
12	mesh	Galois field multiplication	Communicati	
	kumar/Madhavi	based on high speed adder	on, Computing & Security	
	Latha		[ICCCS-2012]	
		Design of clip using core	International Journal of	Vol 3 issue
		centric protocol	Engineering Research And	1.2012
13	Kedhareswarao		Applications(LIERA)	1,2012
	Mr. D Rahul	Reconfigurable Vrtribi	International Journal of	Vol 2,issue
	Varma/ A.Uday	Decoder	Engineering Research And	6,Sep 2012
14	Kumar, B.		Applications(IJERA)	
	VijayaBhaskar			
	D. Prasanna	A Future Technology For	International Journal of	Vol 2, issue 4,
	Kumari/ R.Surya	Enhanced operation in	Engineering Research And	July 2012
15	Prakasha Rao/	Flip-Flop oriented Circuits	Applications(IJERA)	
15	B.Vijaya Bhaskar			
	Ma Vaalsete	Sami Custor	IDACOT Internetional	Vol 1 N- 2
16	Ganash	Junior of High	INAUSI - International	V 01. 1, 1N0.3,
	Gallesii	implementation of righ	Journal of Auvaliceu	December

Moturi/R.Prasadrao	speed, Area efficient 16:1	Computing, Engineering	2012
	Multiplexer	and Application (IJACEA)	ISSN: 2319- 281X,

ECE: 2011-2012

S.No	Name of faculty	Title of paper published	Journal/Conference	Volume/Year
	Mr.R Prasada Rao	Design of VHDL based	Vsrd journals	Vol. 1 (10),
1		FIR Filter Using		Dec.2011
		Redundant Binary Number		
		Systems.		
	Mr. BN Srinivsa	"0.69mW, 700MHz novel	International	Vol. 3, No. 5,
2	Rao	8X8 Digital Multiplier"	Conference IJCTE	October 2011
	Mr. BN Srinivsa	Published and presented a	International	2011
	Rao	paper named "Audio water	Conference	
3		masking chip	ICACCBIE	
		implementation - Covert		
		Communications"		
	Mr. B.N. Srinivasa	Published and presented a	NCACEE	2011
4	Rao	paper named "Water		
4		Masking Chip using		
		Conversion of Covert"		
	Mr. B.N.Srinivasa	Published and presented a	National Journal	2011
	Rao	paper named "On-System		
5		level use of BIST for		
		Programmable Input		
		Output buffer in PPGA's"		

EEE: 2015-16

S.No	Name of faculty	Title of paper published	Journal/Conference	Volume/Year
	T.Srinivasarao	Contigency analysis using	International	978-1-4673-
		fast decoupled method	conference on	9939-
			Electrical ,Electronics	5/16/\$31/2016
1			&Optimization(ICEE	
			OT)	
				and other 1
	1.Srinivasarao	workshop on Recent	National power	3 [°] ,5 [°] March
		trends in Power Electronics	electronics	2016
2		for smart Grid And	conference,Patna	
		Electrical Drives		
3		A mixed model reduction method for the discrete time high-order systems	International journal of control theory and applications. (SCOPUS)	2016
	K Taiaguaga Dag	A new method for order	International journal	Volume :
	K. Lejeswara Kao	reduction of high order	of control theory and	No.9 (2016)
		multi variable systems	applications	Issue No. :5
4		using modified routh	(SCOPUS)	(2016)
		approximation technique		Pages : 2213- 2220

EEE: 2014-15

S.No Name of faculty Title of paper published Journal/Conference Volume

1	T.Srinivasarao	A novel unique 5-level cascsded multilevel inverter based active power filter for power Quality enhancement	International Journal of Science, Engineering and Innovative Research (IJSEIR)	Vol-4,issue- 13 ,May-2015 ISSN:2319- 8885
2	T.Srinivasarao	Study of THD in different CHB MLI's controlled with unipolar and bipolar carrier based modulation techniques	International Journal of Research in Science & Technology (IJRST)	Vol-2,issue- 5,May-2015
3	K.Tejeswara Rao	A novel approach for order reduction of high order discrete time systems using modified routh approximation method via w-domain Application of mihalov criterion for reduction of high order MIMO systems	Computational intelligence in data mining and published in conference proceedings of SPRINGER International journal of applied engineering research (SCOPUS).	Volume 410 pp 21-27 December 2015 Volume 10, Number 23 (2015) pp.20740- 20742

EEE: 2013-2014

/Year
ssue
2013

			(An ISO 3297: 2007	
			Certified Organization)	
	T. Srinivasa Rao	New Efficient Bridgeless	International Journal of	Volume 9,
		Cuk Rectifiers for PFC	Engineering Research and	Issue 1
		Application on d.c machine	Development	Nov 2013
2				e-ISSN: 2278-
				067X, p-
				ISSN: 2278-
				800X
	Tegala Sriniyasa	Integration of Matrix	International Journal of	Vol 2 Issue
	Pao	Converter with DTC of	Advanced Research in	10 Oct 2013
	Kau	Induction Motor Drive	Flootricol	ISSN (Drint)
		A galiantiana	Electrical,	1351N (FIIIII) .
2		Applications	Lectronics and	2520
3				-3765
			Engineering	ISSN
			(An ISO 3297: 2007	(Online):
			Certified Organization)	2278
				-8875
	Tegala	Performance Evaluation of	International Journal of	Volume 4,
	Srinivasarao	Isolated Wind/Hydro & PV	Power System Operation	Issue-2
4		Hybrid System for	and Energy Management,	
		Standalone Power		
		Generation		
	Tegala	High Performance of	IOSR Journal of Electrical	Volume 8,
	Srinivasa Rao	Matrix Converter Fed	and Electronics	Issue 5,Nov-
		Induction Motor For IPF	Engineering(IOSR-JEEE)	Dec 2013
5		Compensation by Using		e-ISSN:2278-
		New DSVM Method		1676, p-
				ISSN:2320-
				3331,

	Tegala	A Current Control Method	International Journal of	Volume 4,
6	Srinivasa Rao	for SVM Based Voltage	Electrical and Electronics	Issue-2,2013
		Source Inverter with LC	Engineering(IJEEE),	ISSN(Print):2
		Filter	Volume 4, Issue-2	231-5184
		Voltage Source	International Journal of	Vol.4, Issue 5
	P Anil Kumar	Inverter/Converter for the	Engineering Research and	ISSN:2248-
7		Improvement of Power	Applications	9622
		Quality using Fuzzy Logic		
		Controller		
		A Current Control Method	International Journal of	Volume 4,
	M V Ramana	for SVM Based Voltage	Electrical and Eletronics	Issue-2
8		Source Inverter with LC	Engineering(IJEEE),	ISSN(Print):2
	Murty	Filter		231-5184

EEE 2012-2013

S.No	Name of faculty	Title of paper published	Journal/Conference	Volume/Year
	K Durga Rao	Fuzzy Logic Based	International Journal	Vol No. 10,
		Intelligent Controller Design	of Advances in	Issue No.
1		For An Injection Mould	Engineering Sc	1,2012
		Machine Processor Control	ience and Technology	
	U. Anjayya	Reduction of Torque and	National conference	2013
		Ripple in direct torque	on recent developing	
2		control of induction motor	in electrical	
			engineering(NCRDE	
			E-2013)	

EEE 2011-2012

S.No	Name of faculty	Title of paper published	Journal/Conference	Volume/Year
	T Srinivasa Rao	Interval Modified Fast	International Journal	Vol 03, Issue
1		Decoupled Method for	of Electrical	01,Jan 2012
		Power Flow Studies	Engineering	
			Applications Research	
			- IJEEAR. January	

Mech: 2015-2016

S.No	Name of faculty	Title of paper published	Journal/Conference	Volume/Year
1	Abhishek Kumar	A design of emission less	International Journal	Vol 3,Issue
		engine	on Mechanical	3,2015
			Engineering and	
			Robotics (IJMER)	
	Srinivas Naidu	Numerical study &	International Journal	Vol 2,
		determination of thermal	and Magazine of	Issue:10
2		conductivity of paper-	Engineering,	Oct 2015
		Fenugreek composite	Technology,	ISSN :2348-
			Management and	4845
			research	
	Dadi Teja	Retardation of jet planes on	S.S International of	Vol-
		warships by using capillarity	multidisciplinary	2,Issue:6,2015
3			Research	ISSN: 2395-
				7965.
		Breaking of carbon-dioxide	International	2015
4	Sumeet Kumar	using ultra violet rays	Conference on	2015
	Duhau/Damaah	using unita violet lays	Denewshie Energy	
	Dubey/Ramesn		Kenewable Energy	
	bhukya		and Environmental	
			Engineering	

			(ICREEE)	
5	Bishwas kumar,shabbaz khan ,surakasi raviteja	Performance improvement and wastage elimination in thermal powerplant	International Journal on Mechanical Engineering and Robotics (IJMER)	2015
6	Bishwas kumar,shabbaz khan ,surakasi raviteja	Performance and emission investigation on single cylinder di-desel engine with catalytic converter using bio- diesel	IJIRT	Vol.2,Issue.11 ISSN:2349- 6002,Apr 2016

2014-2015

S.No	Name of faculty	Title of paper published	Journal/Conference	Volume/Year
1	Karanam Krishna	Experimental investigation	International Journal	Vol -3,Issue-
		and analysis of cutting	of Engineering	1,Jan 2015
		parameters in CNC Turning	Technology,	ISSN:2349-
		on aluminium	Management and	4476
			Applied Sciences	
2	Sumeet Kumar Dubey	Generation of electricity	International	22nd Mar
		through atmosphere	Conference on	2015
			emerging Trends in	ISBN:978-15-
			Engineering and	089715-59
			Research.	
			International	
			Conference on	
			Emerging Trends in	
			Engineering Research	
			ICETER	

3.4.4 Provide details (if any) of

* research awards received by the faculty

Dr.G.Apparao naidu: Dept. Of CSE has awarded Doctorate JNTUK in 2011

Dr.M.Naresh babu: Dept. Of CSE has awarded Doctorate by ANU in 2012

Dr. R.V.Amarnath : Dept. Of EEE has awarded Doctorate by JNTUH in 2012

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

CSI:

No of students having member ship: 126 No of Staff having member ship: 03

IETE:

No of students having member ship: 60 No of Staff having member ship: 13

IEEE:

No of students having member ship: 20 No of Staff having member ship: 05

Name of the Faculty	Dept.	Designation	Citation/Honour
Dr. C.P.V.N.J Mohan	CSE	Professor	Acted as chair to international
Rao			conference organized by CSI at

			Vizag
Sri. T.Srinivasarao	EEE	Assoc.	Acted as chair to international
		Professor	conference organized by CSI at
		and HOD	Visakhapatnam.

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

- Staff members are encouraged to attend seminars, conferences, workshops and short- term courses by providing TA/DA and registration fee.
- 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.
- 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).
- Faculty members are encouraged by giving financial support for presenting papers in conferences and for publishing research articles in journal

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?
Institution established Industry collaborations for getting assistance in placements as well as research activities for the students, invite companies for conducting campus placements. The cell continuously coordinates with the various industries and organizations for placement of the students. It lies with the corporate sectors and helps in developing the industry-academic inter-relationship.

The Placement Officer is actively involved with various corporate sectors to undergo a memorandum of understanding for the placement of students every year. The Training and Placement Officer makes regular visits to various companies across the nation to project the capability of the students' skills to fulfill the requirements of the corporate world.

Our college has exclusive agreement with companies like JKC, Globarena, etc for the training. The institute keeps in touch with the passed out students of the college who are presently working in the companies. These students are also very helpful in arranging the visits of the companies for placements.

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

The institute is running undergraduate programs in various disciplines of engineering and Post graduate programmes in CSE, ECE, and EEE during the initial years of the institute the thrust has been on providing quality teaching and make students employable. The demography of faculty strength in various departments varies from young to senior level professors with specializations. In the area of consultancy the institute has started its aspirations of sharing knowledge and its technical infrastructure with industries and other educational institutions providing professional or technical education located in the NCR zone as well as within the state.

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

The institute encourages its senior faculties to attend annual conferences of industry

associations like CSI, IETE, IEEE industrial bodies at Visakhapatnam etc. where they can make their presence felt through contributions and networking with the prominent people of Industry. The remuneration received through consultancy services by the individual faculty and staff is distributed between concerned faculty and the institute as per the well stated guidelines of the institute.

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

Providing knowledge support to peer institutions (Govt. aided/self financed) through invited/guest lectures, course/curriculum design, question setting, member technical for selection of faculty and staff.

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

The income generated through consultancy is on the ratio of 60:40 (**Staff: Institute**). The financial revenue is used for R&D and incidental expenses.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

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

The institution promotes college neighborhood network community development by conducting regular activities related to social responsibilities of the institute. NSS Units comprising of more than 400 students are active in community development activities like:

- Cleaning of villages
- Pulse polio
- Tree plantation
- Adult education
- Free education to the children of laborer including free notebooks and pens
- Blood donation camps
- Extending playground and material available to neighboring village youth

- Conducting national festivals inviting local people and officials
- Extending library books & magazines to villages

The institute is conscious of its role in campus cum community connections, wellbeing of its neighborhood as well as build student's attitude for service orientation and good citizenship. During recent Hud-hud cyclone in Visakhapatnam, A.P. on 12/10/2014 students actively collected monitory donations and other charities among themselves apart from packaged food items / clothes etc to help of affected population of villages around the college.

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

To track student's involvement in various social activities, the institute has established a system of faculty members as mentors for each 30 students to keep records of their participation in such activities. Further at the end of the semester, such data is compiled at HOD level.

	Ann	ual calendar NSS Activities	
		2016-17.	
Sl.No	Month and Year	Activity	
1	JUNE	CLEAN AND GREEN ENROLLMENT O NEW VOLUNTEERS MEDICAL CAMP	
2	JULY	CLEAN AND GREEN BLOOD DONATION CAMP	
3	AUGUST	CLEAN AND GREEN INDEPENDENCE DAY SCHOOL DROP OUTS	
4	SEPTEMBER.	CLEAN AND GREEN BHAGATH SINGH BIRTHDAY ROAD SAFETY AWARENESS	
5	OCTOBER	CLEAN AND GREEN GANDHI JAYANTHI LITERACY CAMPAIGN CAMPAIGN AGAINST USAGE OF CRACKERS	
6	NOVEMBER	CLEAN AND GREEN PULSE POLIO MEDICAL CAMP	
7	DECEMBER	CLEAN AND GREEN VILLAGE CAMP AIDS AWARENESS	
8	JANUARY	CLEAN AND GREEN CAMPAIGN AGAINST COMMUNICABLE DISEASES REPUBLIC DAY VIVEKANANDA JAYANTHI SUBASH CHANDRABOSE JAYANTHI	
9	FEBRUARY	CLEAN AND GREEN CLEANILESS AND HYEGINITY AWARENESS	
10	MARCH	CLEAN AND GREEN DRINKING WATER FACILITY ON THE ROAD SIDE OF COLLEGE	
11	APRIL.	CLEAN AND GREEN DRINKING WATER FACILITY ON THE ROAD SIDE OF COLLEGE	
12	MAY		

AVANTHI INSTITUTE OF ENGINEERING AND TECHNLOGY

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

The stake holders of the institute i.e. student, faculty & staff, parents, alumni, employers and regulators are tried to interact with the institution over associated events like onsite inspections by AICTE/UPTU/NBA/NAAC experts. Alumni meet, parents meet, students feedback etc. so that their participation about overall performance and quality of the institution is obtained/ de-ciphered.

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

NSS unit of the institutes is year marks the activities that going to organize.

2015-2016 activity schedules:

S.l.no	Scheduled	Activity	
1	August 2015	Blood donation camp	
2	Sep 2015	Health care camps	
3	Nov 2015	Adult education	
4	Dec 2015	RTI Awareness	
5	January 2 016	Pulse Polio	
6	Feb 2016	clean the campus	
7	March 2016	Medical Counseling on Diseases	
8	Apr 2016	Health care camps	

The institute management plans and organizes number of extension and outreach programs in neighborhood population. NSS unit of the institutes is quite active in such endeavors. The details of annual expenses on social welfare activities are appended below.

Social welfare Expenses			
Financial YearBudgetary Details (Rs)			
2015-16	30000.00		
2014-15	35000.00		
2013-14	30000.00		
2012-13	37361.00		
2011-12	33832.00		
2010-11	25726.00		

The major extension and outreach programs conducted over the years may are

- Blood donation camp.
- Computer literacy training to local school students.
- Health care camps on dental and oral hygiene in neighborhood villages.
- Adult education to agricultural labor.
- Tuition classes to mess workers and children of agriculture.
- Distribution of blanket to sweepers/safaiwala and mess staff.

NSS ACTIVITIES FOR 2011-12 INCLUDING SPECIAL CAMP AT PYDIPALA FROM 15-02-2012 TO 21-02-2012

1. Literacy Campaign Launched by the Director Dr.C.Mohan Rao books and pens were distributed to the students of Upper Primary School at Pydipala



2. Medical Camp: Medical camp was conducted by the volunteers under the guidance of

Dr.C. Mohan Rao, Principal of the college and Chairman of NSS. Medical Counseling on Diseases was done by Dr.K.V.Satyanarayana, Pediatrician. He also conducted medical checkup and distributed free medicines



3. RTI Awareness: There was an meeting for the villagers on RTI by Mr.K.V.Ramana, convener, RTI Rakshana Vedikha, North Andhra Region.

4. Awareness of diseases: NSS Volunteers went on door to door campaign to spread awareness and distributed pamphlets on diseases awareness.

5. Cleanliness Campaign: Dr.C.Mohan Rao, Principal addressed the villagers of the importance of cleanliness. Volunteers Presented Skits on individual cleanliness.



6. Pulse Polio: NSS Volunteers assisted the pulse polio program of the government workers in nearby villages.

Celebration of National Days: Independence Day, Republic day, Teachers Day, NSS day, etc..... Were celebrated under the Banner of NSS.



Gunesananda of Ramakrishna Mission, Visakhapatnam addressed the students and spoke on the importance of moral values and on the life of swami vivekananda



8. Campus cleaning: NSS Volunteers regularly clean the campus under the banner Clean and green.





9. There was a rally by NSS Unit in collaboration with Avanthi Group of colleges at beach road protesting against a gang rape of Miss.Nirbhaya.



10. There was a morning meeting in the college on the sad demised of Miss.Nirbhaya. The male students pledged to pay high honor to the female world. Dr.C.Mohan Rao, Principal advised the students to develop self restraint and honor elders and women as per the great Indian tradition.





- Mass Awareness Programs on "Water Conservation & Harvesting ", "Women & Hygiene" and "Role of Engineers for Environment Protection", "Anti-Terrorism ", "Anti – Ragging" were conducted by student community & faculty in the campus and off the campus.
- Health Awareness Camp: NSS students conducted health awareness camp and there were program against infected diseases. The volunteers also conducted door to door campaign and cleaned the roads and surroundings



Every beginning of the semester an Anti Ragging Awareness Programs are being conducted in the campus and as well as at Visakhapatnam City for creating awareness amongst the new entrants.

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

During the orientation program of newly admitted students the faculty/ student coordinators of NSS and clubs like optimists and various societies, carryout presentation to students on the benefit and 73

scope of extension activities. Information regarding proposed activities is notified through circulars, web notifications, in academic and hostel building on a regular basis. Every student is encouraged to become a member of NSS/ societies for participation in extension activities. Planning and execution of NSS Activities. Thrust areas/ Burning problems are identified by the senior teachers of the institute and NSS committee will discuss and chock out a programme. During the recent demonetization by Govt. of INDIA the NSS team of our college has taken initiate and conducted seminar to promote cashless transactions among the public. We have taken up following activities.

1. Adopted neighboring Tamaram Village and educated all the villagers on cashless transactions.

2. NSS team have organized rallies in Makavarapalem and Kannurupalem with playcards and slogans to create awareness among the public.

3. Volunteers have organized door to door campaign and explained the villagers the usage of smart phone, Paytm, SBI Buddy to perform their day to day activities.

4. One awareness meet is organized in the college to train the students to promote cashless transactions and to educate their kit and cane.



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

The institute is making a conscious effort to promote social justice as a value in learning process. The institution sincerely practices A.P.Govt. Social affirmative schemes for the up liftmen of under privileged communities. The college NSS unit has been organizing programs in and outside the college for the benefit of nearby community. Required facilities are given to differently-able students.

S.l.no	social surveys	
1	Conducted Students awareness program on road accidents and traffic signals and other precautions.	
2	Faculty deputy for election duties as poling officers.	
3	Youth Festival celebrated on the occasion of Swami Vivekananda Birthday- On Moral values .	
4	Cleanliness Campaign	
5	Pulse polio program	
6	Literacy Campaign	

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

Participation of students in an extension activities do inculcate following values & quality in their growing personalities complimenting their academic learning experiences-

- Building of self-confidence.
- Development of inter personal skills.
- Sense of responsibility towards society.
- Helping and carrying attitude towards differently able people.

- Respect for nature & environmental protection needs.
- Positive approach towards work and life.
- Joint-man ship & sense of togetherness.
- Health awareness camp in a village named Tamaram org. by NSS. With the objective of creating awareness in the community about disease, prevention and proper use of medicines. 250 villagers/ patients were benefited. Doctors attended the patients and free medicines were distributed. Around 50 students & 4 faculties participated in the event.

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

The institute takes the help of elders and influential people like village head, members of gram panchayat to ensure the involvement of local population in its community development activities. To win the confidence of local population the institute organizes various awareness programs like free dental & health care camps, village cleaning drives, eye checkup camps etc.

S. No	Details of the Activity	Place	Organization
1.	Campus cleaning: removing of plastic waste	College	AIET NSS
	material.	Campus	Volunters
2.	Awareness campaign on ship building	College	Hindusthan
	organized by NSS unit.	Campus	Shipyard,
	Shipyard DGM sri.Perummal,AGM		Visahkapatnam
	sri.Srinivasarao has given powerpoint		
	presentation.		

<u>2015 – 16:</u>

<u>2014 – 15:</u>

S. No	Details of the Activity	Place	Organization
1.	"CLEAN and GREEN" Campus Cleaning	College	AIET NSS
	programme following the dictum 'Dignity of	Campus	Volunters
	labor'.		
4.	Removing waste material from "HudHud" hit	ZP High	ZP High
	ZP High School, Anakapalle. Sri	School,Anakapa	school
	M.Srinivasarao, MP and Chairman of Avanthi	lle	
	Group of colleges, Principal, Staff and		
	volunteers participated.		

5.	Campus cleaning: removing of plastic waste material	College	AIET NSS Volunters
<u>2013 – 14:</u>		Cumpus	v ordineor 5

S. No	Details of the Activity	Place	Organizati
			on
1.	Plantation programme in the campus. The volunteers planted neem saplings and watered them. They planted about 200 saplings around the college building. The program was inaugurated by Dr.C.Mohanrao, Principal of the college.	College Campus	AIET NSS Volunters
2.	Road safety awareness programme.	College Campus	RTA, Visakhapat nam
3.	Literacy Campaign, books and pens were distributed to the students. program launched by Dr. C. Mohan Rao	Upper primary School, Thamaram	MEO, Narsipatna m
4.	Awareness Programme on Communicable diseases.	Thamaram village	DMHO, Narsipatna m
5.	RTI Awareness: There was an meeting for the villagers on RTI, Convener RTI Rakshana vedhika,North Andhra Region.	Thamaram village	RTI, Andhra
6.	Cleanliness Campaign: Dr. C. Mohan Rao, Principal addressed the villagers of the importance of cleanliness. Volunteers presented Skits on individual cleanliness	Pyidipala village	AIET NSS Volunters
7.	Campus cleaning.	College Campus	AIET NSS Volunters

<u>2012 – 13:</u>

S. No	Details of the Activity	Place	Organization
1.	"CLEAN and GREEN" Campus Cleaning	College Campus	AIET NSS
	programme following the dictum 'Dignity of		Volunters
	labor'.		
2.	Plantation programme in the campus. The	College Campus	AIET NSS
	volunteers planted neem saplings and watered		Volunters
	them. They planted about 200 saplings around		
	the college building. The program was		
	inaugurated by Dr.C.Mohanrao, Principal of		
	the college.		

3.	Road safety awareness programme.	College Campus	RTA,
			Visakhapatna
			m
4.	Literacy Campaign, books and pens were	Upper primary	DEO,
	distributed to the students. program launched	School,Pyidipala	Narsipatnam
	by Dr. C. Mohan Rao		
5.	Medical camp: Medical Counseling on	Pyidipala village	DMHO,
	diseases by K.V.Satyanarayana, Pediatrician		Visakhapatna
			m
6.	RTI Awareness: There was an meeting for the	Pyidipala village	RTI, Andhra
	villagers on RTI by Mr.K.V.Ramana,		
	Convener RTI Rakshana vedhika,North		
	Andhra Region.		
7.	Cleanliness Campaign: Dr. C. Mohan Rao,	Pyidipala village	AIET NSS
	Principal addressed the villagers of the		Volunters
	importance of cleanliness. Volunteers		
	presented Skits on individual cleanliness		
8.	Pulse Polio: NSS Volunteers assisted the	Pyidipala village	DMHO,
	pulse polio program of the government	-	Visakhapatna
	workers in nearby village.		m

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

Informal relationship with the office bearers of various societies of the institute and prominent senior citizens of nearby villages have been established in a cordial manner for successfully working on various outreach and extension activities of the institutes. However no formal relationship in form of MoU, agreement etc. has been forged between two parties (college and villages).

Sl.no	social surveys	In collaboration
1	Conducted Students awareness program on road accidents and traffic signals and other precautions.	RTA ,Narsiapatanam

2	Faculty deputed for	Govt. of Andhra Pradesh,
	election duties as poling	Election commission
	officers.	
3	Youth Festival celebrated	Ramakrishna Mission,
	on the occasion of Swami	Visakhapatnam
	Vivekananda Birthday-	
	On Moral values .	
4	Cleanliness Campaign	With Rotary club
		Narsiapatnam
5	D-1	With Coast Housital
5	Pulse polio program	with Govt. Hospital
		Narsipatnam
6	Literacy Campaign	With Govt. High school
		and Village development
		officers (VDO),
		Makavarapalem.
7	Entrepreneurship	JNTUK , Visakhapatnam
	Programm	port trust

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.

- For extension activities and contributions towards community development the institutes efforts and contributions are very well recognized by the local population/ Villages and the institute is well respected by villagers & officials around the college.
- Contributions: some of these are
 - Blood donation camp
 - Literacy Campaign

- RTI Awareness
- Awareness of diseases
- Cleanliness Campaign
- Pulse Polio





3.7 Collaboration

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

- The Infosys campus connects program invites the faculty for the faculty development program "Train the Trainee" conducted at Infosys campus, HYD.
- The faculty training program from Andhra University and JNTU Kakinada allows the faculty to attend latest technology development program at university campus and invites the faculty from university and IITs to visit our college.
- > The institute maintains rapport with all the industries. The Placement officer and HODs

constantly in touch with the industry experts and invite them to the college and arranges interaction sessions to the students.

- The institute is a member of Industry academia programs offered by Infosys and Wipro Technologies.
- As member of Campus Connect Program of Infosys the college is Offering Foundation Program (FP) to the students. The faculty of the college has taken training under Faculty Enablement Program (FEP) and training the students for Foundation Program. The following faculty members of the Institute has attended FEP program offered by Infosys.
 - Dr. CPVNJ Mohan Rao
 - G Shyam Kumar
 - P Poulesh
 - N Swaroop
 - G Shankar
- The institute is also a member of Mission 10X initiative of Wipro Technologies. Several faculty members of the college has attended various workshops conducted by Mission 10X of Wipro. Dr. C P V N J Mohan Rao, Principal has attended three day workshop on Academic Leadership program during 27th-29th June 2011 at Wipro Technologies, Hyderabad.



The following faculty members have attended Mission 10X workshops.

- V Kumar
- N V Ashok Kumar
- N Swaroop

- M Satyanarayana
- V Jaya Vani

Eplus club is a concept developed by the reputed national English daily The Hindu for enhancing the soft skills of the students. Several articles related to this aspect are being covered in The Hindu every Monday in the supplement Education Plus. Colleges can make use of this benefit by launching EPlus clubs in the college and following the schedule given the Education plus. The college has started Eplus club in association with The Hindu and about 200 students has joined as members. Programs are being organized to develop soft / communication skills of these members by conducting group discussions, elocution, quiz, paper presentations etc. Mr. J Konda Babu, Asst. Professor, Department of English is acting as Coordinator of E-plus club

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

The Institution is made MOU's with many Universities and Industries in India for developing the research promotional activities for the students and also the faculty community. The below is the list of the collaborations

- > AIET- Infosys MOU " campus connects program", since 2012
- ▶ AIET-Wipro Mission 10X learning approach, since 2013.

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

- Interaction with eminent personalities from various reputed universities and industries is very useful for the creation of establishing better academic facilities for staff and students.
- As stated below organizations are providing assistance in aspect of technically and theoretically.

- > The labs are being upgraded for the upkeep of equipments in respective laboratories.
- The placements process got a boost by industry- institute- interactions. Which help students to pLakhse in different prestigious organizations

Year	Number of Students attended	Details of the Professional organizations
2010-11	312	TIME, Visakhapatnam
2011-12	287	TIME, Visakhapatnam
2012-13	304	Globerana Technologies,Hyderabad
2013-14	320	IT Curves ,Hyderabad
2014-15	355	IT curves, Hyderabad and OMEGA ,HYD

Industry- institute- interactions (Training and Placement cell):-

S.l.no	Name of the Eminent personality	Designation	Remarks
1	M. S. Subramanyam	Head, TCS, Hyderabad	Student interaction
2	Mr. Ravi Eswarapu	Head, Mahindra Satyam Visakhapatnam	Student interaction
3	Kolluru ravi Chandra	Head Tech Mahindra, Visakhapatnam	Student interaction
4	S.S.Sarma Rayaprolou	Virtusa , Hyderabad	Student interaction
5	Narendra Nerla	Vice president Inspire Edge IT solutions,vsp	Student interaction

6	Kolluru Ravi Chandra	Head Tech Mahindra, Visakhapatnam	Student interaction
7	Mr Ray Perera	CEO, Kenexa technologies, Visakhapatnam	Student interaction
8	Sri Rajesh N	Group Head Miracle Software systems, Visakhapatnam	Student interaction



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.

2015-2016: PRERANA 2k16

S.l.no	Name of the Eminent personality	Designation	Contribution
1	Sri.V.Madhu Sudhan	Chairman and managing director, Vizag Steel plant	Chief guest
2	Prof.R.V.RajKumar	Director IIT,Bhuwaneswar	Guest of Honour
3	Sri.P.V.S Ganesh Kumar	Assoc. Director NSTL,Visakhapatnam	Guest of Honour
4	Sri.M.Venkata ratnam	Scientific officer H, BARC, Visakhapatnam	Resource/ Special guest

2014-2015: Avishkar 2k15 (National conference) - 13/2/2015 and 14/2/2015:

S.l.no	Name of the Eminent personality	Designation	Contribution
1	Sri.Palle Raghunatha Reddy	Hon'ble minister for IT,Govt of AP	Chief guest
2	Sri.Ganat. Srinivasarao	Hon'ble minister for HRD,Govt of AP	Chief guest
3	Sri.Ravela Kishore babu	Hon'ble minister for social welfare , Govt of AP	Chief guest

Sime	Name of the expect from	Designation	Contribution
5.1. no	industry /University	Designation	Contribution
1	Prof.B.Prabhakar rao	Vice chancellor ,JNTU, Kakinda	Expert talk
2	Dr.M.Lakshmi narayana	DLRL,Hyderabad IEEE chairman for Hyderabad section	Expert talk
3	Prof. Arun K Pujari	University of Hyderabad ,Hyderabad	Expert talk
4	Prof.K.Srinivasa reddy	IIT,,Chennai	Expert talk
5	Dr.Sriram Srinivas	IIT, Chennai	Expert talk
6	S.S.Sarma Rayaprolou	Virtusa ,Hyderabad	Expert talk
7	Narendra Nerla	Vice president Inspire Edge IT solutions, Visakhapatnam	Expert Talk
8	Dr.G.Ravi kumar	Scientist G,Assoc.Director NSTL,Visakhapatnam	Expert Talk
9	Prof.S.Pallam Setty	Dept of computer.sci &Engg, A.U, Visakhapatnam	Expert talk
10	Kolluru Ravi Chandra	Head Tech Mahindra, Visakhapatnam	Expert talk
11	Mr Ray Perera	CEO, Kenexa technologies, Visakhapatnam	Expert talk

2013-2014: TECH-REPERIO 2k14 (National conference) - 04/4/2014 and 05/4/2014:

S.l.no	Name of the Eminent personality	Designation	Contribution
1	Prof. P. Vijav Prakash	Vice Cshairman AP State council for higher	Chief guest
1		education ,AP	Chief guest

2	Prof. Ch Ratnam	Principal AU college of Engg for women, AU	Guest
3	Sri.GVS Haribabu	Principal Government Polytechnic, Narsipatnam	Guest
4	Prof. G S N Raju	Vice chancellor	Chief guest
5	Prof. G V R Prasada Raju	Registar, JNTUK	Guest
6	Sri S Surya Shankar	DGM(telecom),BSNL	Expert Talk
7	Sri K Srinivasa Rao	Div.Engineer, AP transco	Expert Talk
8	Sri Rajesh N	Group Head Miracle Software systems	Expert Talk

2012-2013: Sanketik Samahar (National conference)

S.l.no	Name of the Eminent personality	Designation	Contribution
1	Prof. Allam Appa Rao	Vice Chancellor ,JNTU, Kakinda	Chief guest
2	Prof. K C Reddy	Chairman, APSCHE	Chief guest
3	Prof. R V Raj Kumar	Vice Chancellor, RGUKT, Hyderabad	Expert Talk
4	Prof. B M Mohan	Department of EE, IIT, Kharagpur	Expert Talk
5	Prof. Sridevi	Department of ECE, Andhra University	Expert Talk
6	Mr Ray Perera	CEO, Kenexa technologies, Visakhapatnam	Expert Talk
7	Prof. SK Udgata	Department of Computer Science & Engg, University of Hyderabad	Expert Talk







Sri. L S Rao, Vice-President, ANRAK	Prof. SK Udgata, Department of
Addressing the Students on the eve of	Computer Science & Engg, University
Yantrik	of Hyderabad delivering a lecture on
	Wireless sensor Networks.

Industry-institution-community interactions:

S.l.no	Name of the Eminent personality	Торіс	Contribution
1	M. Venkata Ratnam,	Nuclear Power Plant	2015 2016
1	Scientist H, BARC, Visakhapatnam	Design	2013-2010
2	B. Venkata Rao, Sc-D,	BI DC Motor	2015-2016
	Visakhapatnam		2013-2010
3	K. Bhagavan Prasad, SDE	2G, 3G, 4G Technology	2015-2016
Λ	G. Nagaraju, Vice president	Challenges in	2015-2016
4	Operations	Production Industry	2013-2010
	Dr.M.Lakshmi narayana		
1	DLRL.Hvderabad	Antennae	2014-15
	2,,		
	Dr.G.Ravi kumar	Acuators	
2	Scientist G,Assoc.Director	Advaced Controls	2014-15
_		Systems	201110
	NSTL, visaknapatnam		
	Cri C Curvo Chonkor	Telecom	
3		Communication	2014-15
	DGM(telecom),BSNL	Networks	
	Sei V.S.Chaudam		
	SII. I. S. CHOWUARY	Scientific And	
4	Hon ble Minister of State for Ministry	Engineering Research	2014-15
	of Science & Technology & Earth	Programs And Grants	
	Sciences	_	

5	N.Prasad CGM APEPDCL	Quality assessments	2013-14
6	P.Trimurthulu,Sc.F ,NSTL,Visakhapatnam	Advance control systems	2013-14
7	Sri Viswanadham Head, Mahindra Satyam	A seminar on IT industry and its requirements.	2013-14
8	Sri Satya Topali, Mahindra Satyam,Hyderabad	An interaction session on career in IT and how to achieve it.	2013-14
9	Dr R V S Subhramanyam, NSTL, Visakhapatnam	Role of young engineers in research and development.	2013-14
10	T.S.Murali General manager (Operations and Corp. Planning) B.H.P.V. Visakhapatnam.	Product designs and innovations	2012-13
11	L.S.Rao VP(operation) Anarak, Visakhapatnam	Challenges in product based organizations.	2012-13
12	T.Hanuman Choudary. Member State Government Advisory Committee	Human Resource management ,and Entrepreneurship	2012-13

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 -NA-

b) **Internship / On-the-job training:** Internship enhances the industry exposure. It results in increasing overall placements.

c) **Summer Placement:** 60% of students attending summer training during summer vacation (BSNL, Steel Plant).

d) **Faculty exchange and professional development:** Faculty attending workshop and conferences organized by industry through professional society like CSI and IEEE.

e) **Research:** The institute organizing regularly organizes workshops /Seminars or guest lecturers to promote research activities.

f) Consultancy: -NO-

g) Extension -No-

h) Publication: Linkages with academia from institutions of repute is certainly enriching, motivating faculty members and students in producing papers and presenting or publishing them in conferences/journals.

2015 16	Total		ON	OFF	Total	PER
2015-16	intake	Quanned	campus	campus	selection	%
ECE	118	98	40	10	50	51.02
CSE	59	45	15	05	20	44.44
EEE	59	35	15	03	18	51.42
MECH	178	116	30	06	36	31.03
TOTAL	414	294	100	24	124	42.17

i) Student Placement:

2014-15	Total	Qualified	ON	OFF	Total	PER

	intake		campus	campus	selection	%
ECE	138	107	36	16	52	48.59
CSE	96	78	47	05	52	66.66
EEE	62	41	15	07	22	53.65
MECH	70	63	31	06	37	58.73
TOTAL	366	289	129	34	163	56.40

2013-14	Total		ON	OFF	Total	PER
	intake	Qualified	campus	campus	selection	%
ECE	135	103	44	05	49	47.5
CSE	98	84	33	8	41	48.81
EEE	68	43	16	4	20	46.51
MECH	70	61	21	6	27	44.26
Total	371	291	114	23	137	47.08

2012-13	Total	Oralifiad	ON	OFF	Total	PER
	intake	Quanned	campus	campus	selection	%
ECE	127	97	45	16	61	62.89
CSE	104	77	25	13	38	49.35
EEE	66	50	25	5	30	60.00
MECH	66	43	18	12	30	69.77
TOTAL	365	277	121	48	169	61.01

2011-12	Total	Qualified	ON	OFF	Total	PER
	intake		campus	campus	selection	%
ECE	143	97	49	18	67	69.07
CSE	124	85	28	17	45	52.94
EEE	66	48	18	10	28	58.33
MECH	66	56	25	10	35	62.50

TOTAL	383	286	116	53	169	59.09

2010-11	Total	Qualified	ON	OFF	Total	PER
	intake	Quanned	campus	campus	selection	%
ECE	143	97	49	18	67	69.07
CSE	104	100	45	18	63	63.00
EEE	72	50	25	12	37	74.00
MECH	70	59	21	10	31	52.54
TOTAL	389	306	140	58	198	64.71

- j) Twinning programmes -No-
- k) Introduction of new courses -No-
- l) Student exchange -No-
- m) Any other

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

- The 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. 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 R&D.
- Faculty will be sponsored regularly to attend important workshops and seminars arranged by leading research organizations.

The details are presented in Criterion-III, Item No.3.2.7.

- 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 recommendation certificates are provided to the faculty who publish papers in reputed journals.

College provides TA/DA 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.

Institute is an institutional member in various professional bodies, which contribute their services for promoting Research

- ➢ Indian Society for Technical Education (ISTE)
- Computer society of India (CSI)
- ≻ IEEE
- ► IETE
CRITERIA IV: Infrastructure and Learning Process

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 stands for giving top priority for creating and providing various infrastructure facilities for producing quality technocrats by motivating the students towards effective teaching and learning, curricular, co-curricular and extracurricular activities. The Management is extending their complete support for creation and up gradation of infrastructure of the college by allocating adequate funds while preparing the annual budget. The college was established in a sprawling campus of 32.07 acres with the following facilities:

- Class rooms: Spacious and well ventilated classrooms with fans, lights, Dias, green board and furniture.
- > E-Classrooms: Classrooms with LCD projector, Screen and internet connectivity.
- Seminar halls: Good number of seminar halls is available for conducting seminars/workshops.
- > Tutorial Rooms: Adequate number of tutorial rooms to conduct remedial/makeup classes.
- Laboratories: Sufficient number of laboratories with sophisticated equipment and latest facilities to impart practical training. Learning materials viz., charts, Write-ups, Models and Virtual labs are arranged to enhance understanding.
- Internet: Dedicated/Leased line connectivity of 20 mbps is arranged and is available in campus wide LAN. In addition to that, NMES connectivity also available. Routers are established at various points to make the campus Wi-Fi enabled.

In addition to these, faculty rooms, hostels, amenities, parking facilities, sports facilities are created in the campus.

The following procedure is adopted to purchase of items in the college:

- ➢ HODs collect the requirement details from various in charges and prepare budget estimation.
- > HODs prepare comparative statements by inviting quotations from the suppliers.
- College level purchase committee consisting of Governing body representative, Principal, and HOD will finalize the indent and the Principal shall place the purchase order.
- The payments will be made after the successful supply/installation of the items. Installation certificates will be taken from the concerned before making the payment.

4.1.2 Detail the facilities available for

a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

Infrastructural facilities:

S. No	Block Description	Facilities Accommodated
1	Administrative Block	Administration wing, Departments of ECE, EEE, CSE and Library.
2	Decennial Block	Departments of Humanities and Management, Class rooms of first year for all branches
3	Boys hostel	No. of rooms – 30
4	Girls hostel	No. of rooms – 15
5	Residential Quarters	No. of blocks – 10
6	Canteen	Separate dining halls for staff and students
7	Workshops	No. of blocks - 07
8	Sports Ground	Separate courts for different sports
9	Parking Area	Separate parking for cycles, motor bikes, cars and buses

Curricular Activities:

S. No	Details of the facilities	Number of rooms
1	Class Rooms	40
2	Tutorial Rooms	07
3	Drawing Halls	03
4	Seminar Halls	01
5	Computer labs	05
6	Laboratory Rooms /Workshops	52
7	JKC lab	01
8	Language lab	01

ADMINISTRATIVE BLOCK



Classrooms:

- The institution has sufficient number of well-furnished, well ventilated, spacious classrooms for conducting theory classes.
- All the departments have classrooms with close proximity in order to have better access for the students.
- Classrooms are spacious and designed for proper ventilation and lighting with good acoustics.
- > Each department is also provided with tutorial classrooms.



CLASS ROOM

E-Classrooms:

- Each department in the college is provided with a E-Classroom to facilitate, engaged and active learning.
- Classrooms have seating capacity of 60 and provided with LCD projector, Wi-Fi and LAN enabled internet connectivity, public addressing etc.

Seminar Halls:

- > The Institution has separate seminar hall to conduct seminars, workshops and symposiums for students and faculty.
- The seminar hall has a seating capacity of 350 and is fully air conditioned. It is equipped with LCD projector, LCD screen, white board and public addressing system.
- The students are regularly promoted for active involvement in paper presentations, group discussions.

SEMINAR HALL



Laboratories:

- > All laboratories are well equipped, and well maintained for carrying out curriculumoriented lab experiments.
- > All laboratories are also equipped to carry out possible research activities.

COMPUTER LABS

<u>C – LAB</u>



JAVA & UNIX LAB



ELECTRICAL LAB



ECE LAB



MACHINES LAB



WORKSHOP/CHEMISTRY LABS

WORKSHOP



CHEMISTRY LAB



Specialized facilities and equipment for teaching, learning and research:

- The college has exclusive English communication skills lab with 60 Core 2 Duo systems and licensed software.
- > Each department has their individual library with good number of books.
- The college is having a digital library with internet which is being effectively used by the students for their research activity.
- The college has provided web-based materials of NPTEL video lectures by IIT teachers for the use to both students and faculty.
- E-learning facility is provided which covers a wide set of applications and processes, including computer based learning and virtual classroom learning.
- For self learning, reference books for all the subjects, material for competitive exams are available in the central library.
- The college has established "Jawahar Knowledge Centre" in collaboration with IEG, Govt. of Andhra Pradesh to train the students to improve their employability skills.

Co-Curricular Activities:

- To improve Communication skills, college is conducting various activities viz., Essay writing, debate, Group discussion for the students.
- > Conducting campus recruitment training for pre final and final year students.
- National level Technical meets/Seminars are conducted to expose the students to national level competition.
- Industrial visits are arranged to keep the students abreast of latest technological advancements in their field of specialization.
- > Workshops on advanced topics are arranged to make them aware of recent trends.
- > Expert Talks by Technocrats are arranged for motivating students.

LANGUAGE LAB



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.

Outdoor Games: A spacious play ground is provided for outdoor games like Cricket, Athletics, Kabaddi, Volley ball, Basket ball, Kho - Kho, and Throw ball.

Indoor Games: A separate indoor games facility is provided for Table tennis, Caroms, and Chess.

Sports (outdoor and indoor games) & Gymnasium

S. No	Sports Facilities	Number
1	Volley ball courts	2
2	Throwball court	1
3	Tenni-koit courts	2
4	Cricket Net Practice pitch	1
5	Gymnasium	1
6	Table Tennis	2
7	Shuttle / Badminton courts	2
/	(Boys-1, Girls-1)	2
8	Carrom boards	5
9	Basket-Ball court(boys)	1
10	Kabaddi court	1

VOLLEY BALL COURT



INDOOR GAMES

TABLE TENNIS



CARROMS



NSS: College has NSS unit that organizes the different programs like Awareness programs, blood donation camps, Medical camps, Trauma care and adopted the Tamaram village near to our college and conduct various programs.

Cultural Activities: On every occasion like College Formation day, all national days, cultural programs will be conduct for all the students. The students can also participate in various events conducted by various colleges.

Public Speaking: Personality development programs are conducted by the college which contains various activities like public speaking for enhancing their communication skills.

Communications Labs: A separate communications lab is provided for all the students to improve the communication skills.

Health Center:

- In addition to the above activities, College has a Health Center for First Aid medication for both students and staff.
- > A dedicated Medical Officer Attends the regular checkups and in emergency also.
- A two bed dispensary is available in the campus for attending to normal fever or any infections.
- > Various facilities:
- Stretcher
- I/V Facility
- BP measuring device
- Blood sugar indicator
- Oxygen Cylinder
- Thermometer
- Wheel Chair
- Stock Medicines available for treating in campus
 - Fever
 - Diarrhea
 - Eye infections
 - Skin burns
 - First aid kit for wounds
 - Pain killer tablets and ointments
- Contract Agreement with Local Laboratory on payment basis by Management
 - Pathological tests
 - Radiology
 - E C G
 - Saline transfusion
- First aid units are placed in Laboratories, Sports room, Buses and other required places to meet such type of incidents
- Makavarapalem Mandal Head Quarters has a fully fledged Public Health Center (PHC) in the proximity of campus and is about 3 km from the college. In emergency cases the facility is being used by students and staff.
- A well equipped 30 bedded Trust Hospital run by Emmanuel Society is located at Kondala Agraharam is also available for students about 5km from the institute.
- A four wheeler is made available in the campus round the clock along with driver to meet emergency medical responsibilities.
- 108 services are also available for emergency services which can provide an Ambulance in not more than 5 minutes on receipt of the call.
- Counseling sessions are arranged by inviting reputed counselors from Ramakrishna Mission, Brahma Kumaris and other free lancers for the weak, disappointed and depressed students which were identified by the Class In charges.

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

- The infrastructure developments according to the demand and needs as per changes in academic curriculum, incorporating advanced e-learning facilities, curricular, co-curricular, extra-curricular activities etc. are being discussed and resolved in the general body meeting which comprises of management, Principla, HODs, senior faculty, university and board nominees and take necessary steps regarding budget allocation, implementation and proper utilization.
- Since its inception in 1999, the college has been keeping pace with the changing needs and requirements to meet its academic growth.
- To keep pace with the needs and requirements, additional infrastructure is being added from time to time.
- > The Available infrastructure is in line with the Academic growth.
- ➢ It is optimally utilized.
- The infrastructural development and the expenditure incurred are provided in the following table for the last four years.

S.	FY	Constructio	Administrative	Laboratorie	Vehicle	Sports
No.		nal Activity	Expenses(inclu	s and other	Maintenanc	Expenses
		_	ding salaries)	maintenanc	e	_
				e		
				expenditure		
				S		
		35,62,685.0	45,103,825.00	463,785.00	255,335.00	513,830.00
1.	2015-16	0				
		1,816,830.0	77,168,796.49	854,815.00	498,839.00	101,8330.00
2.	2014-15	0				
		1,781,146.0	63,148,475.32	868600.00	353,570.00	95,2140.00
3.	2013-14	0				

			62,987,249.11	756725.00	475840.00	97,4460.00
4.	2012-13	516,244.20				

Master Plan of the Institution:



The details of the physical infrastructure are as follows:

S. No	Block Description	Constructed Area (Sq Mts)
1	Administrative Block	5682
2	Decennial Block	3122
3	Boys hostel	1500
4	Girls hostel	750
5	Canteen	96

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of the differently-able students?

- > The persons authorized by them are permitted to borrow books from the library.
- > They are also provided support in laboratory and workshops.
- > Ramps are provided at the entrance of the buildings.
- ➢ Handicapped toilets.
- ➤ Wheel chair.
- ➢ If required classrooms will be provided in the ground floor for them during regular classes/Examinations.

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

Hostels:

- Separate Hostel blocks are provided for male and female candidates. Hostels are equipped with recreational provisions.
- Common rooms have T.V, Indoor games facilities and magazine facilities. Computer access with Internet and Wi-Fi facilities are provided.
- Emergency medical assistance is given to the both students and staff.

Security:

Round the clock, security is provided in the hostels as well as at all the entry points of the Institution.

Hygiene:

Drinking water with U/V protection and R/O processed is provided in the hostels, staff quarters and in the campus.

Staff Quarters:

Residential facilities are provided to the staff with free electricity and water.

Hostel details:

S. No	Hostel	Boys	Girls
1	No. of rooms	30	15
2	Staff rooms	01	01
3	Warden rooms	01	01
4	TV rooms	01	01
5	Gym rooms / Indoor Games	01	01

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

- In addition to the above activities, College has a Health Center for First Aid medication for both students and staff.
- > A dedicated Medical Officer Attends the regular checkups and in emergency also.
- A two bed dispensary is available in the campus for attending to normal fever or any infections.
- > Various facilities:
- Stretcher
- I/V Facility
- BP measuring device
- Blood sugar indicator
- Oxygen Cylinder
- Thermometer
- Wheel Chair
- Stock Medicines available for treating in campus
 - Fever
 - Diarrhea
 - Eye infections
 - Skin burns
 - First aid kit for wounds
 - Pain killer tablets and ointments
- Contract Agreement with Local Laboratory on payment basis by Management
 - Pathological tests
 - Radiology
 - E C G
 - Saline transfusion
- First aid units are placed in Laboratories, Sports room, Buses and other required places to meet such type of incidents
- Makavarapalem Mandal Head Quarters has a fully fledged Public Health Center (PHC) in the proximity of campus and is about 3 km from the college. In emergency cases the facility is being used by students and staff.
- A well equipped 30 bedded Trust Hospital run by Emmanuel Society is located at Kondala Agraharam is also available for students about 5km from the institute.
- A four wheeler is made available in the campus round the clock along with driver to meet emergency medical responsibilities.
- 108 services are also available for emergency services which can provide an Ambulance in not more than 5 minutes on receipt of the call.
- 7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance,

Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

IQAC: IQAC keeps a watch on the regular academic and administrative activity of the institution and strives for the development of system always. It is located at Decennial Block N: 28.It regularly assesses the quality of implementation of regular academic activitities and procurement of new equipment.

Grievance Reprisal unit: This consists of one senior member from each department with few female faculty members and some student representatives to redress the grievance eraised. It is located at Administrative Block A: 17.

Women's Cell: This consists of female faculty member and student representatives from girls and boys to monitor the gender issues concerned. It is located at Decennial Block Ladies staff room.

Placement Unit: Placement cell organizes continuously the training activities of the students such that they can improve their employment prospects and guide them to get better placement. It is located at Decennial Block.

Health Centre: A Doctor is employed to look after the health needs of the students and staff. It is located at Administrative Block.

Canteen: Canteen is maintained to cater the student and staff requirements with a class of hygiene. It is located at Administrative Block.

Recreational spaces: Facilities are available to conduct recreational activities with good audio and video support.

Safe drinking water facility: Drinking water is supplied with U/V and R/o treated to institution blocks, hostels, quarters and canteen.

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 consisting of senior faculty members and Librarian as coordinator of the committee.

S. No	NAME	Department	Designation
1.	Dr. C. Mohan Rao	Principal	Chairman
2.	M.V.Ramanamurty	Professor, EEE	Member
3.	N.V.Ashok kumar	Assoc. prof,CSE	Member
4.	D.Lakshminarayana	Assoc.Prof,ECE	Member
5.	B.Ramesh	Assoc.Prof,MEC	Member
		Н	
6.	K.Nookinaidu	Asst.Prof,MBA	Member
7.	S.Ramasatyanarayana	Assoc.Prof,S&H	Member
8.	CH.Peddinaidu	Librarian	Co-ordinator

Details of Library Committee Members:

- The library committee monitors the regular changes in academic curriculum and latest requirements of the new books with latest editions.
- The library advisory committee advises on the purchase of Books, Journals, Magazines, News papers, etc.,
- The committee has taken initiatives for the library up gradation, subscription for Ejournals, application web OPAC.
- Development of Digital content Management for institutional Repositions, Barcode of Books, and Subscription of E-Books.
- Providing printing and photocopying facilities to the students with concession rate.
- Facility to download the E-documents from the various sources and E-documents delivery to the information seekers.

4.2.2 Provide details of the following:

- * Total area of the library(in sq. Mts)
- * Total seating capacity
- * Working hours (on working days, on holidays, before examination days, during examination days, during vacation)
- * Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

S. No	Particulars	Details
1	Total area of the library (in Sq.	1100 Sq.mts
1.	Mts.)	

2.	Total seating capacity	190
3.	Working hours (on working days, on holidays, before examination days, during vacation)	8 AM to 8 PM
4.	Working hours (during vacation)	9 AM to 2 PM
5.	Holidays	Not working

Layout plan- Central library – 2nd floor:-

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

- Separate space for reading and e-learning.
- Magazine section.
- Back volumes.
- Xerox corner
- Issue/Return counter









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.

After receiving the procurement requirement from the advisory committee of the library for books, magazines and e-journals, the librarian will place the indent and procure the material.

	Ye	ar-1	Yea	ır-2	Yea	nr-3	Yea	r-4
Library	201	5-16	2014	4-15	201	3-14	2012	2-13
Holidays	Number	Total	Number	Total	Number	Total	Number	Total
		Cost		Cost		Cost		Cost
Text Books	1072	6,34,380	1,175	2,35,205	1052	4,72,634	1163	5,31,980
Reference	352	1,52,210	704	1,41,122	755	2,52,450	650	2,64,382
Books								
Journals/Perio	86	3,32,600	53	3,85,500	45	3,92,500	39	3,62,500
dicals								
E-resources	1	10,500	1	10,500	1	10,500	1	10,500
Any other								
specify	-	-	-	-	-	-	-	-

- > The library has the network membership of DELNET.
- The library is continually upgraded by procuring new journals and titles as per the latest requirements to keep up the present pace of the technology.
- Previous volumes of the journals are preserved for the benefit of the users.
- Easy access is made to all the users in the library.

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

- * OPAC The OPAC is available in the library to provide the bibliographical information to the users.
- * Electronic Resource management package for E-journals.
- * IEL online (IEEE/IEE)
- * Science Directs (Electrical/Electronic Engg/Computer Science/information science system Engg)
- * E-library
- * DELNET (Developing Library Network)
- * British Council online Resource
- * Library website It is worked with the college website with central library option.
- In-house / remote access to e-publications In house access to e-journals is given to users through the IP based facilities inside campus. The users can access anywhere inside the college premises through Wi-Fi system.
- * Library automation the operation of all types of library activities are completely automated by the software.
- * Total number of computers for public access There are 10 numbers of computers in the digital library for public access and two computers of OPAC services.
- * Total number of Printers for public access 01
- * Internet bandwidth/speed 20MBPS form BSNL
- * Institutional Repository Hand notes/ Lecture notes/Student projects.
- * Content management system for e-learning
- * Participation in Resource sharing networks / consortia Member of the DELNET, INDEST and BC
- * NPTEL lessons available which can be accessed through intranet
- * Yes, the institution has a membership of DELNET facility to view the index of various books of international publications.

4.2.5 Provide details on the following items:

S. No	Particulars	Numbers
1.	Average number of walk-ins	350
2.	Average number of books issued/Returned	150
3.	Ratio of library books to students enrolled	14:1
4.	Average number of books added during last	2100
	three years	
5	Average number of login to OPAC	10
6.	Average number of login to e-resources	15-25
7	Average number of e-resources	15
1.	downloaded/printed	
0	Number of information literacy trainings	Nil
0.	organized	
9.	"weeding out" of books and other materials	Under process old/out
		dated/damaged books are

V	weeded	out	periodi	cally with
I	proposa	1	from	Library
	committ	tee ai	nd appro	oval by the
]	Principa	ıl.		

4.2.6 The details of the specialized services provided by the library

S. No	Particulars	Available
1.	Manuscripts	Nil
2.	Reference	Yes
3.	Reprography	Yes
4.	ILL (Inter Library Loan Service)	No
5.	Information deployment and notification	Yes
6.	Download the study material	Yes
7.	Printouts	Yes
8.	In-house/remote access to e-resources	Yes
9.	User orientation and Awareness	Yes
10.	Assistance in searching Databases	Yes
11.	INFLIBNET/IUC facilities	No

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

During the library hours, the library staff renders the following activities to the students and staff.

- Locating the books and journals and issuing them.
- Maintaining and updating the catalogues.
- > Duplicating facility is provided at minimum charges.
- > All the racks are provided with placard display for easy identification.
- ➢ Issue and return back registers are maintained.
- Library stock registers are maintained.
- Copies of the projects done by students of B.Tech/M.Tech/MCA/MBA.
- > Important journals and media notifications are displayed.
- > All the previous question papers are preserved and prints will be made available.

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

Although the general norm for borrowing / returning of books is that the books should be borrowed/ returned only by the concerned person, the disabled persons provided library facilities to their delegates.

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, important suggestions given in the student's feedback are discussed with the library staff and are facilitated as per the feasibility.
- A complaint box is provided at the library, in which the students/faculty may drop complaints or suggestions.
- Any such information received is collected by the librarian immediately and informed to the Principal.
- If necessary the library advisory committee is informed about it and suitable action recommended is implemented.
- Feedback register is maintained in the library to get instantaneous response of the users.
- Feedback from students is collected periodically and analyzed. The results of the analysis are discussed in the Library committee meetings and necessary steps are proposed for improvement.



KNOWLEDGE RESOURCE CENTER STUDENT FEED BACK FORM

Year & Semester:

Branch:

Date:

Please mark '1' for Excellent, '2' for Good, '3' for Satisfactory and '4' for poor

S. No	ITEM FOR GRADING	GRAD
		Ε
1.	Librarian	
2.	Library Staff	
3.	Books Availability	
4.	Reference / Prescribed Books	
5.	GATE Material	
6.	General knowledge / Aptitude Books	
7.	Journals and Magazines	
8.	Question papers	
9.	Seating Arrangement	
10.	Maintanance	

Suggestions if any:

Library Committee Review:

4.3 IT Infrastructure

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

S. No	Configuration Details	No. of Systems
1	Intel P-IV Intel mother board,160GB HDD,2GB RAM, Keyboard, Mouse 10 Mbps Ethernet Card,14.5" LCD Screen	120
2	Intel P-IV, Intel Mother Board, 1GB RAM, 160GB HDD, Keyboard, Mouse, 10 Mbps Ethernet Card , 18.5" LCD	120
3	Dual Core Processor,2GB RAM,160GB HDD,Keyboard,Mouse,Ethernet,18.5" LCD	90
4	Dual Core Processor,1GB RAM,160 GB HDD,Keyboard,Mouse,Ethernet,18.5"LCD	120
5	DualCoreProcessor,1GB RAM,160GB HDD,Keyboard,Mouse,Ethernet,14.5"LCD	60
6	Quard Core Xeon Processor,4GB RAM,250GB HDD,18.5" LCD	06
	TOTAL	536

Details of Computing Facilities

Details of Location of Systems

S.No	Location	Name of the Laboratory	No. Of .Computers
1	Administrative Block-	ECAD/DSP LAB	64
	Ground Floor		
2	Decennial Block-Ground	ENGLISH LAB	63
	Floor		
3	Administrative Block-First	CSE LAB I & LAB II	120
	Floor		
4	Administrative Block-	EEE SIMULATION LAB	45
	Second Floor		
5	Administrative Block-Third	PROJECT LAB	46
	Floor		
6	Decennial Block-Second	C LAB	100
	Floor		
7	Mechanical Block	CAD/CAM LAB	82
8	HOD Rooms		06
9	Examination Section		03
10	Office		06

11	Principal Room		01
TOTAL		536	

Computer-student ratio: For UG courses having the ratio of 1:6

For PG courses having the ratio of 1:4

Stand alone facility: NO

LAN Facility: Available to all systems in laboratories

Licensed software Details

• System software

S. No	SOFTWARE NAME	License	Open
		d	source
1	Microsoft Windows NT	yes	
	Workstation		
2	Fedora 5.5,10,11 versions	yes	
3	Microsoft Visual studio	yes	
	6.0-Enterprise edition		
4	Microsoft Visual	yes	
	Studio.Net 2003-		
	Academic		
5	Oracle		yes
6	Microsoft office 2007	yes	
	Professional		
7	Visual paradigm	yes	
8	Win runner Software suite		yes
9	Symantec Endpoint		yes
	protection 13.0		
10	DELNET	yes	
11	MATLAB	yes	

- Free ware software
- JDK 1.6
- JAKARTA TOMCAT
- STAR UML
- PHP
- NOTEPAD++
- MOZILLA FIRE FOX
- WINRAR
- ACROBAT READER
- CODE COMPOSER STUDIO

Number of nodes/ computers with Internet facility: 536

College having Dedicated 20 Mbps 1:1 Leased line internet Connectivity. Internet can be accessed from all the systems. We are having internet lab working during college timings and available for hostel students 12 hours and 7 days a week.

- Wi-Fi Facility: Service Provider –Available in the campus through the Routers placed at various points
- > All computer labs have been provided with UPS facility ffacility



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

The college campus is provided with 20 Mbps internet connectivity through BSNL Leased Line .Internet can be accessed at department HOD Room, Faculty Room, Computer Laboratories and Computer Centre. Internet made available over campus wide LAN, So that it can be accessed anywhere in the campus through wired/wireless Network.

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

Annual Budget is allocated every year for procurement of IT Infrastructure and associated facilities to keep the pace with the latest developments in the technology and requirements as per industrial needs

- old computers are replaced with new ones
- > system configurations are upgraded based on the industrial needs and latest developments
- system administrator is monitoring regularly

- > complaint register is provided with computer lab
- > College is planning to increase the bandwidth and range of Wi-Fi facility.

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

S. No	Provision	Annual Budget Expenditure (Lakhs)			
		2015-16	2014-2015	2013-2014	2012-2013
1	Procurement	1513800	1248000	1256000	1187600
2	Up gradation	527450	427250	374620	347580
3	Development & Maintenance	336620	285700	256450	236575

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?

Staff and students are using ICT Resources in computer aided teaching and learning

- All the departments are provided with computers with internet for enriching their teaching abilities
- > Faculty are regularly using NPTEL Videos for better understanding of the students
- E-class rooms are created by providing systems and LCD projectors for enhancing the learning abilities
- > Digital library facility is provided in the library with systems and internet
- College also has seminar halls equipped with projectors and are available for the benefit of students.

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 is encouraging faculty and students for learning and teaching through ICT.

- Institution is conducting training sessions for the faculty on the use of ICT.Faculty are also deployed to other institutions to seminars in computer aided teaching methods
- Class rooms are equipped with computers and LCD projectors for imparting better learning
- Computer facility with internet is made available to students to enhance their learning abilities. The Computer Personnel are always available for any need based assistance in the use of ICT

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? NO

4.4 Maintenance of Infrastructure

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 4 Years) ?

Item	Budget in 2015-	Expenses in	Budget in	Expenses in	Budget in	Expenses in
	16 in lakhs	2015-16 in	2014-15 in	2014-15in	2013-14 in	2013-14in
		lakhs	lakhs	lakhs	lakhs	lakhs
Infrastructure	6255000	6375500	5300000	4875600	5000000	4548500
built-up						
Library	1540000	1475000	1250000	1086530	1030000	975000
Laboratory	1735000	1646000	1520000	1456780	1450000	1336000
equipment						
Furniture	2250000	1645800	2000000	1785800	1875000	1773500
fixtures						
Building	465000	328500	460000	423485	350000	335000
maintenance						
Electricity	2160000	1937693	1965000	1856325	1828000	1728000
Charges						
Hostel	425000	504370	350000	336750	282000	256000
maintenance						
TOTAL	14830000	13912863	12845000	11821270	11815000	10952000

4.4.2 What is the institutional mechanism for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

Laboratory maintenance Activities:

All the Laboratories have maintenance registers maintained by the lab attendants. One maintenance slot per week was provided for preventive maintenance by internal staff. Maintenance is carried out by external agencies on need basis/by annually.

a) Building Hygiene committee:

A committee is constituted with a senior faculty as In-charge to monitor the maintenance of academic infrastructure and facilities.

Members of the Building Maintenance committee:

S. No	Name	Designation	Department
1	M.V.Ramana Murthy	Professor,Convenor	EEE
2	K.Santosh Kumar	Asst. Professor	ECE
3	A N S Suryaprakash	Asst. Professor	MECH
4	S.Danial Raju	AO	Office
5	Markandeyulu	Supervisor	Office

Functions of the committee

- Proper upkeep and maintenance of the buildings
- Maintenance of the lawns and surroundings
- Carrying out minor repairs of furniture, electrical and sanitary fittings
- Maintenance of the roads, water tanks and other services in the compound
- Maintaining security ensuring the safety requirements in the campus

b) Transport maintenance committee:

A committee has been constituted for the day to day maintenance of the college vehicles **Members of the Transport Maintenance committee:**

S.No	Name of the Staff	Designation	Department
1	V.S.Prashanth	Assoc. Professor, Coordinator	MBA
2	B.N.Srinivas Rao	Asst. Professor	ECE
3	P.Anil Kumar	Asst. Professor	EEE
4	M.Jagannadha Rao	Accountant	Office
5	Markendyulu	supervisor	office

Functions of the committee

- Maintenance of the college buses
- Obtaining necessary clearance certificates, insurance, permits etc. for the college vehicles from RTA
- Routine checking of the condition of the vehicles.
- Appointment of well trained and experienced drivers.
- Ensuring safety requirements like operation of Speed limiters, fire extinguishers first aid etc.

c) Electrical Maintenance Committee

Maintenance of all equipment related to electrical applications is taken up by this committee. **Members of the Electrical Maintenance committee:**

S. No	Name of the Staff	Designation	Department
1	P.Rajasekhar Yadav	Asst.Professor,Coodinato	EEE
		r	
2	M.S.Naidu	Asst. Professor	MECH
3	V.V.Giri	Asst.Professor	CSE
4	J.Venkataramana	Lab Assistant	EEE
5	D.Arjuna	Electrician	Office

Functions of the committee:

- Maintenance of Diesel Generators
- Maintenance of UPS systems and its batteries
- Maintenance of Building and equipment Earthing measurement of earth resistance at regular intervals, ensuring the proper earth connection for various equipments in the labs and class rooms.

d) Equipment maintenance Committee:

A team of members is appointed for the maintenance of various equipments in the college. **Members of the Equipment Maintenance committee:**

S. No	Name	Designation	Department
1	N.Prakashkumar	Asst. Professor,	MECH
		coordinator	
2	M. V. Ramana Murthy	Professor	EEE
3	B. Nanda Kishore	Asst. Professor	CSE
4	B. Ramesh	Assoc. Professor	MECH
5	S. P. V. Prasad	Lab. Assistant	ECE

Functions of the committee:

- Maintenance of the laboratory equipment
- Routine checking of the condition of the equipment
- Appointment of skilled lab technicians
- Ensuring safety requirements

e) Internet Maintenance Committee

Members of the Internet Maintenance committee:

S.No	Name of the Staff	Designation	Department
1	V.Ram Prasad	Asst. Professor, coordinator	CSE
2	D. Rahul	Asst .Professor	ECE
3	Siva Apparao	Asst. Professor	MECH
4	G. Nagarajuna	Lab. Assistant	CSE

Functions of the committee:

- Monitoring the internet access
- Fiber checking

f) Library Maintenance Committee

Members of the Library Maintenance committee:

S.No	Name of the Staff	Designation	Department
1	D. Lakshmi Narayana	Asst. professor	ECE
2	M. Kederaswarao	Asst. professor	ECE
3	U. Anjaiah	Asst. professor	EEE
4	K.Vara Prasad	Asst. professor	CSE
5	V.V.Naidu	Asst. professor	MECH
6	CH. Peddi Naidu	Librarian, Coordinator	Library

Functions of the committee:

- Maintenance of books and facilities
- Check the availability of sufficient books for all the departments
- Conducts meetings with library coordinators and students
- Implementing the activities suggested by the students

g) Hostel Maintenance Committee

Members of the Hostel Maintenance committee:

S.No	Name of the Staff	Designation	Department
1	N.Bhavanishankar	Warden	MECH
2	K Kumar	Asst professor	ECE
3	J.S.Ramakrishna	Asst professor	EEE
4	M.Jagannadha Rao	Accountant	Office
5	P.Markandeyulu	supervisor	Office

Functions of the committee:

- Maintaining safe drinking water.
- Maintenance of sanitation and electricity.
- Maintaining study room, entertainment and gym for the students.
- Maintain discipline in the hostel.

h) Canteen Maintenance committee

Members of the Canteen Maintenance committee:

S. No	Name of the Staff	Designation	Department
1	R. Aneel kumar	Asst. Prof	ECE
2	U.Anjaiah	Asst. Prof	EEE
3	P.Sombabu	Asst Prof	H&S
4	A.Pradeep	Asst Prof	MECH

Functions of the committee:

- Plan, organize, control, and evaluate needs of the canteen.
- Ensure a healthy and safe environment
- Produce a canteen menu and price list.
- Maintenance of food and water quality.
- i) Fire & Safety Maintenance committee

Members of the Fire & Safety Maintenance committee:

S.No	Name of the Staff	Designation	Department
1	D.K.A.S.Prasad	Assoc.Professor,	EEE
		Coordinator	
2	S.Venkata Ramana	Asst. Prof	ECE
3	V.V Naidu	Asst. Prof	MECH
4	P.Dorababu	Asst. Prof	EEE
5	J.Konda babu	Asst. Prof	H&S

Functions of the committee:

- Conducts safety committee inspections
- Educates the staff and students about fire prevention and safety precautions

j) Water Maintenance committee(Drinking/Running)

Members of the Water Maintenance committee:

S.No	Name of the Staff	Designation	Department
1	P.Sombabu	Asst. Prof	H&S
2	P. Rama Krishna	Asst. Prof	MECH
3	P. Ashok kumar	Asst. Prof	ECE
4	K. Durga Rao	Asst. Prof	EEE

Functions of the committee

- Provide safe drinking water to staff & students
- Facilitate water for daily usage (Labs ,Hostels, Toilets)
- Identify & locate the troubles.
- Proper implementation of bathroom waste water

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

Maintenance of Labs & Lab Equipments:

- ➤ The equipment in the labs is monitored by the lab technicians who closely observe their functioning & calibration regularly and report failures to the lab in -charge.
- The lab in-charge is responsible for the physical safety, preventive and breakdown maintenance of all lab equipment and the register is maintained for all laboratories. They are also in-charge for suggesting the purchase of new equipment (necessitated by change of syllabus), scrapping obsolete and old equipment in the lab stock and for the replacement of the damaged.
- > They ensure that at least 90% of equipment is in condition all the time and is available for use.
- > The lab in-charge also monitors the charts and notice boards in their respective labs.

- > The computers and electronic devices are maintained and repaired through the funds available under maintenance head of the institute.
- > A team of qualified technical staff for maintaining computers and networking facilities is available.

· S.NO.	NAME OF THE TECHNICIAN	DEPARTMENT	
1	G. Nagarjuna	CSE	_
2	G. Anil Kumar	CSE	
3	M. Santosh Kumar	CSE	
4	K.V. Hari Krishna	CSE	
5	S.P.Vprasad	ECE	
6	P. SriRama Murthy	ECE	
7	Ch. Srinivas	ECE	
8	J.Venkata Ramana	EEE	
9	P.Siva	MECH	
10	L.Nageswara Rao	MECH	
11	M.CH.Raju	MECH	
12	K.Ravi Kumar	MECH	
13.	K.Anil kumar	EEE	

Qualified and skilled lab technicians

are the major steps taken for location, upkeep and maintenance of sensitive equipment: Details of voltage stabilizers, security measures in electricity, generator facilities, and earthen points, Water purification systems etc.

Major steps An exclusive Electrical maintenance section works for the college with two technicians and one generator operator.

- .The laboratory staff keeps a strict vigil regarding the maintenance and upkeep of the scientific instruments. Their repair or replacement upkeep is fully undertaken in their supervision.
- The college electrician and the supporting staff are responsible for the upkeep of electrical equipments and their maintenance.
- The institution has a tie up with the KENT from which the Aqua guard purifiers were brought for the regular and routine check up and upkeep of the purifiers.
- All the laboratories have been properly earthed and the power from the distribution board is through the earth leakage relays. The earth resistance at the earth pits is regularly monitored.
- Also all the electrical installations in the campus are well defined and checked periodically and the same is certified by the concerned authorities i.e.
 Electricity Details:

Installed Capacity of Transformer	100 KVA
No. of Main Service Points for distribution	01 - HT Service 440 Volts
Installed Capacity of Generators (3)	122.4 KVA (82.4+30+10)

015					
S.No	Location	No. of UPS	Company	Capacity (KVA)	Number of Batteries
1	Decennial block-C lab	1	ZEN POWER	10 KVA	10
2	Admin block- ground floor	1	SHREE TECH	20 KVA	20
3	Admin block- first floor	1	SHREE TECH	20 KVA	20
4	Decennial block-english lab	1	ZEN POWER	10 KVA	10

UPS and Capacities

List of Earth Points

S. No	Location	Number
1	Block I	4
		2
2	Block II	2
3	Mechanical lab	4
4	Ladies Hostel	2
5	Gents Hostel	2
6	Canteen	2

Water purification systems

S. No	Location	Number	Capacity (ltr)/hour
1	Administrative Block &	1	500
	Decennial Block		
2	Hostel blocks	1	500

TRANSFORMER, WATER PURIFY SYSTEM AND GENERATOR



TRASPORT FACILITY:


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 institution publishes its updated prospectus annually. The prospectus provides all the necessary information the students need to know. The college prospectus provides a complete profile of the college. The handbook is having the academic calendar, quality policy, time-table, vision – Mission, fee details, ambiance, courses offered and their accreditation status, faculty, facilities and innovative practices which the students need to observe during their stay in the college.

Every year the college brings out one issue of Newsletter per semester called "AVANTHI- SRAVANTHI" containing the salient features and it is given to every student and faculty. The website is also updated regularly and the students are informed to browse the same. College is delivering a magazine, annually and each department releases NEWS LETTER bi-yearly.





In-Charge coordinator for college news letter is Mr. A.PARAYYA., Asst. Prof, H&BS,

S.No	Name of the Staff	Designation	Department
1	Dr. C. P. V. N. J. Mohan Rao	Chairman	Principal
2	Mr. Ch.Peddi Naidu	Vice chairman	Librarian
3	Mr.P.Rajasekhar	Chief Editor	CSE
4	Mr.J.Kondabab	Member	H&BS
5	Mr.S. Subramanyam	Member	Mech
6	Mr. B.N.Srinivasarao	Member	ECE
7	Mr. K A S Prasad	Member	EEE
8	Ms.P.Jyoshtna	Member	MBA

Editorial Board Members:

STUDENT CO-ORDINATORS:

S.NO	Co-ordinator	Department
1	P. Diwakar	ECE
2	B N Susmitha	ECE
3	D.Sanjay	
4	G.Jyothirmai	EEE
5	J.Hari Krishna	CSE
6	B.Sunandha	CSE
7	P.Anil kumar	MECH
8	p. chaithanya prabhu	
9	K.Manikanta	MBA
10	L.Laxman Kumar	

Commitment and accountability:

- Committee will look after the Newsletter printing and distributions.
- The total expenditure of the News letter is funded by the college.

Hence the college is maintaining the accountability

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?

At present there are no institutional scholarships, but the management has given some fee exemptions regarding tuition fee, bus fee, hostel fee and other sponsorships are also provided.

S.no	Regd.no	Name	Course	Exemptio n details	Total amount in Rs
1.	14811A0221	PANCHADA MANIDESH	EEE	10000	Hostel fee
2.	14811A0558	RONGALA BHAGYA LAKSHMI	CSE	10000	Hostel fee
3.	13815A0421	KOTECHERLA VASU	ECE	5000	Hostel fee
4.	14811A0227	SAMBANGI PRABHAVATHI	EEE	5000	Hostel fee
5.	12811A03E1	L Visweswara Rao	MECH	5000	Hostel fee

Academic year 2015-16

6.	14811A0421	GUNTA SRILEKHA	ECE	5000	Hostel fee
7.	14815A0417	JONNALAGADDA RAM BABU	ECE	5000	Hostel fee
8.	15811A0455	PALLI JAYALALITHA	ECE	5000	Hostel fee
9.	14811A0361	KUDARA KAMASANKAR	MECH	5000	Hostel fee
10.	1/011/0267	MALLA VENKATA	MECH		
	14011A0307	CHELLARAO		5000	Hostel fee
11.	14811A0370	MASAVARAPU NAGARAJU	MECH	5000	Hostel fee
12.	14811A0373	MIDATANA SIVA	MECH	5000	Hostel fee
13.	14811A0385	PAILA SAI RAM	MECH	3000	Hostel fee
14.	1481140397	POTHULA SIVA NAGA	MECH		
		DURGA PRASAD		5000	Hostel fee
15.	14811A03A1	RAPARTHI AVINASH	MECH	5000	Hostel fee
16.	14811A0227	SAMBANGI PRABHAVATHI	EEE	5000	Hostel fee
17.	14811A0524	GUDIMETLA VENKATA	CSE		
10		SATHYA SALLALI THKUMAR	DOD	5000	Hostel fee
18.	14811A0411		ECE	5000	Hostel fee
19.	14811A0427		ECE	5000	
20	1 4011 40405		ECE	5000	Hostelfee
20.	14811A0435		ECE	5000	Hostelfee
21.	14811A0445		ECE	5000	Hostel fee
22.	14811A0461		ECE	5000	Hostelfee
23.	13811A0428		ECE	10000	Hostelfee
24.	13811A0442		ECE	10000	Hostelitee
25. 26	14811AU326		MECH	10000	Bustee
20.	14811A0333		MECH	1500	Bustee
27			CSE	1300	Bustee
27.	14811A0517		CSE		Dusiee
		PRARHUVU		7500	
28.	14811A0533	PRABHUVU KABRI ANITHA	CSE	7500 3000	Busfee
28. 29.	14811A0533 14811A0534	PRABHUVU KARRI ANITHA KARRI HARIKA	CSE CSE	7500 3000 7500	Busfee Busfee
28. 29. 30.	14811A0533 14811A0534 14811A0536	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI	CSE CSE CSE	7500 3000 7500 1500	Busfee Busfee Busfee
28. 29. 30. 31.	14811A0533 14811A0534 14811A0536	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI	CSE CSE CSE ECE	7500 3000 7500 1500	Busfee Busfee Busfee Busfee
28. 29. 30. 31.	14811A0533 14811A0534 14811A0536 14811A0469	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH	CSE CSE CSE ECE	7500 3000 7500 1500 5500	Busfee Busfee Busfee Busfee
28. 29. 30. 31. 32.	14811A0533 14811A0534 14811A0536 14811A0469 13811A0510	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI	CSE CSE CSE ECE CSE	7500 3000 7500 1500 5500 4500	Busfee Busfee Busfee Busfee Busfee
28. 29. 30. 31. 32. 33.	14811A0533 14811A0534 14811A0536 14811A0469 13811A0510 12811A03G0	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI SUMIT KUMAR SDUBEY	CSE CSE ECE CSE CSE MECH	7500 3000 7500 1500 5500 4500 10000	Busfee Busfee Busfee Busfee Busfee Busfee
28. 29. 30. 31. 32. 33. 34.	14811A0533 14811A0534 14811A0536 14811A0469 13811A0510 12811A03G0 12811A0429	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI SUMIT KUMAR S DUBEY KAMBALA CHANDRA TEJA	CSE CSE ECE CSE CSE MECH ECE	7500 3000 7500 1500 5500 4500 10000 3000	Busfee Busfee Busfee Busfee Busfee Busfee Busfee
28. 29. 30. 31. 32. 33. 34. 35.	14811A0533 14811A0534 14811A0536 14811A0536 14811A0469 13811A0510 12811A03G0 12811A0429	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI SUMIT KUMAR SDUBEY KAMBALA CHANDRA TEJA GEESALA VIJAYA TEJA	CSE CSE ECE CSE CSE MECH ECE ECE	7500 3000 7500 1500 5500 4500 10000 3000	Busfee Busfee Busfee Busfee Busfee Busfee Busfee Busfee
28. 29. 30. 31. 32. 33. 34. 35.	14811A0533 14811A0534 14811A0536 14811A0469 13811A0510 12811A03G0 12811A0429 13815A0413	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI SUMIT KUMAR SDUBEY KAMBALA CHANDRA TEJA GEESALA VIJAYA TEJA SWAROOPA	CSE CSE ECE CSE MECH ECE ECE	7500 3000 7500 1500 5500 4500 10000 3000 2000	Busfee Busfee Busfee Busfee Busfee Busfee Busfee Busfee
28. 29. 30. 31. 32. 33. 34. 35. 36.	14811A0533 14811A0534 14811A0536 14811A0536 14811A0469 13811A0510 12811A03G0 12811A03G0 12811A0429 13815A0413 15811A0301	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI SJMIT KUMAR SDUBEY KAMBALA CHANDRA TEJA GEESALA VIJAYA TEJA SWAROOPA ADDALA JAGADISH VARMA	CSE CSE ECE CSE MECH ECE ECE MECH	7500 3000 7500 1500 5500 4500 10000 3000 2000 2500	Busfee Busfee Busfee Busfee Busfee Busfee Busfee Tuition fee
28. 29. 30. 31. 32. 33. 34. 35. 36. 37.	14811A0533 14811A0534 14811A0536 14811A0536 14811A0469 13811A0510 12811A03G0 12811A03G0 12811A0429 13815A0413 15811A0301 15811A0305	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI SUMIT KUMAR SDUBEY KAMBALA CHANDRA TEJA GEESALA VIJAYA TEJA SWAROOPA ADDALA JAGADISH VARMA ALLUMALLI HARI BABU	CSE CSE ECE CSE CSE MECH ECE ECE MECH MECH	7500 3000 7500 1500 5500 4500 10000 3000 2000 2500 2500	Busfee Busfee Busfee Busfee Busfee Busfee Busfee Tuition fee Tuition fee
28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38.	14811A0533 14811A0534 14811A0536 14811A0536 14811A0469 13811A0510 12811A03G0 12811A03G0 12811A03G0 15811A0305 15811A0306	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI SJMIT KUMAR SDUBEY KAMBALA CHANDRA TEJA GEESALA VIJAYA TEJA SWAROOPA ADDALA JAGADISH VARMA ALLUMALLI HARI BABU AMALAKANTI DURGA	CSE CSE ECE ECE MECH ECE ECE MECH MECH MECH	7500 3000 7500 1500 5500 4500 10000 3000 2000 2500 2500	Busfee Busfee Busfee Busfee Busfee Busfee Busfee Tuition fee Tuition fee
28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38.	14811A0533 14811A0534 14811A0536 14811A0536 14811A0469 13811A0510 12811A03G0 12811A03G0 12811A0429 13815A0413 15811A0305 15811A0305	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI SUMIT KUMAR SDUBEY KAMBALA CHANDRA TEJA GEESALA VIJAYA TEJA SWAROOPA ADDALA JAGADISH VARMA ALLUMALLI HARI BABU AMALAKANTI DURGA MANIKANTHA	CSE CSE ECE CSE MECH ECE ECE MECH MECH MECH	7500 3000 7500 1500 5500 4500 10000 3000 2000 2500 2500 2500	Bus fee Bus fee Bus fee Bus fee Bus fee Bus fee Bus fee Tuition fee Tuition fee
28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39.	14811A0533 14811A0534 14811A0536 14811A0536 14811A0469 13811A0510 12811A03G0 12811A0429 13815A0413 15811A0305 15811A0306 15811A0308	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI SJMIT KUMAR SDUBEY KAMBALA CHANDRA TEJA GEESALA VIJAYA TEJA SWAROOPA ADDALA JAGADISH VARMA ALLUMALLI HARI BABU AMALAKANTI DURGA MANIKANTHA ANAKAPALLI HARIKRISHNA	CSE CSE ECE ECE MECH ECE ECE MECH MECH MECH	7500 3000 7500 1500 5500 4500 10000 3000 2000 2500 2500 2500 2500 2500	Bus fee Bus fee Bus fee Bus fee Bus fee Bus fee Bus fee Tuition fee Tuition fee Tuition fee
28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40.	14811A0533 14811A0534 14811A0534 14811A0536 14811A0469 13811A0510 12811A03G0 12811A03G0 12811A03G0 15811A0305 15811A0306 15811A0308 15811A0310	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI SUMIT KUMAR SDUBEY KAMBALA CHANDRA TEJA GEESALA VIJAYA TEJA SWAROOPA ADDALA JAGADISH VARMA ALLUMALLI HARI BABU AMALAKANTI DURGA MANIKANTHA ANAKAPALLI HARIKRISHNA ANUPOJU RAJESH	CSE CSE ECE ECE MECH ECE ECE MECH MECH MECH	7500 3000 7500 1500 5500 4500 10000 3000 2000 2500 2500 2500 2500 2500 2500 2500 2500	Bus fee Bus fee Bus fee Bus fee Bus fee Bus fee Bus fee Tuition fee Tuition fee Tuition fee Tuition fee
28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 41.	14811A0533 14811A0534 14811A0534 14811A0536 14811A0469 13811A0469 13811A03G0 12811A03G0 12811A03G0 15811A0305 15811A0306 15811A0308 15811A0310 15811A0314	PRABHUVU KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI SUMIT KUMAR SDUBEY KAMBALA CHANDRA TEJA GEESALA VIJAYA TEJA SWAROOPA ADDALA JAGADISH VARMA ALLUMALLI HARI BABU AMALAKANTI DURGA MANIKANTHA ANUPOJU RAJESH BERA SAI KALYAN	CSE CSE ECE CSE MECH ECE ECE MECH MECH MECH MECH MECH	7500 3000 7500 1500 5500 4500 10000 3000 2000 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500	Bus fee Bus fee Bus fee Bus fee Bus fee Bus fee Bus fee Tuition fee Tuition fee Tuition fee Tuition fee Tuition fee Tuition fee
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$ \begin{array}{r} 28. \\ 29. \\ 30. \\ 31. \\ 32. \\ 33. \\ 34. \\ 35. \\ 36. \\ 37. \\ 38. \\ 39. \\ 40. \\ 41. \\ 42. \\ 43. \\ \end{array} $	14811A0533 14811A0534 14811A0534 14811A0536 14811A0469 13811A0510 12811A03G0 12811A03G0 12811A03G0 12811A0305 15811A0305 15811A0306 15811A0310 15811A0314 15811A0315 15811A0316	PRABHUVU KARRI ANITHA KARRI ANITHA KARRI HARIKA KORUKONDA SRAVANI TUMMALAPALLI SWAMINADH MIDATANA SANDHYA DEVI SUMIT KUMAR SDUBEY KAMBALA CHANDRA TEJA GEESALA VIJAYA TEJA GEESALA VIJAYA TEJA GEESALA VIJAYA TEJA SWAROOPA ADDALA JAGADISH VARMA ALLUMALLI HARI BABU AMALAKANTI DURGA MANIKANTHA ANAKAPALLI HARIKRISHNA ANUPOJU RAJESH BERA SAI KALYAN BHAVIRISETTI TEJA BHEEMARAJU KASI	CSE CSE ECE ECE MECH ECE ECE MECH MECH MECH ME	7500 3000 7500 1500 5500 4500 10000 3000 2000 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500	Bus fee Bus fee Bus fee Bus fee Bus fee Bus fee Bus fee Bus fee Tuition fee Tuition fee Tuition fee Tuition fee Tuition fee Tuition fee Tuition fee
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46.	1501140000	CHITIMOJU MANIKANTA	MECH		
	10011AU320	PRAKASH		2500	Tuition fee
47.	1501100200	DODDI RAMA GANESH	MECH		
	13011A0329	APPARAO		2500	Tuition fee
48.	15811A0334	ELLAPU RAMALAKSHMAN	MECH	2500	Tuition fee
49.	1581140340	GIDUTURI MOHANA	MECH		
		VENKATA SIVA KUMAR		2500	Tuition fee
50.	15811A0347	GUDLA FEROSE KUMAR	MECH	2500	Tuition fee
51.	15811A0348	GURRALA MOHAN	MECH	2500	Tuition fee
52.	15811A0355	KALIGATLA SAI CHANDU	MECH	2500	Tuition fee
53.	15811A0356	KALLAPALLI DURGA PAWAN KUMAR	MECH	2500	Tuition fee
54.	1581140357	KAMIREDDI SAI KRISHNA	MECH		
	1301170337	RAJU		2500	Tuition fee
55.	15811A0369	KADIMI SAI SUNITHA	MECH	2500	Tuition fee
56.	15811A0370	REDDY POOJA	MECH	2500	Tuition fee
57.	15811A0371	KOTLA RAMASIVA	MECH	2500	Tuition fee
58.	15811A0380	MATHURTI SIVA	MECH	2500	Tuition fee
59.	15811A0385	MUDDA PAVAN SAI	MECH	2500	Tuition fee
60.	15811A0387	MUKALA KARUN RAVI TEJA	MECH	2500	Tuition fee
61.	15811A0388	MUTHYALA MAHESH RAMU	MECH	2500	Tuition fee
62.	15811A0390	NOTLA ANIL KUMAR	MECH	2500	Tuition fee
63.	15811A03B6	RONGALA GIRISH	MECH	2500	Tuition fee
64.	15811A03C4	SINGIDI SAI	MECH	2500	Tuition fee
65.	15811A03D3	UGGINA PRADEEP KUMAR	MECH	2500	Tuition fee
66.	15811A03D4	VARRE APPALA SATYA	MECH	2500	Tuition fee
67.	15811A03D7	VEGI RAMU	MECH	2500	Tuition fee
68.	15811A03D8	VELANKAYALA SRINU	MECH	2500	Tuition fee
69.	15811A0202	BOLEM RAJA	EEE	2500	Tuition fee
70.	15811A0205	CHINTAKAYALA ABHISHEK	EEE	2500	Tuition fee
71.		KUSIREDDI VENKATA	EEE		
,	15811A0212	MOHAN		2500	Tuition fee
72.	15811A0216	NARAVA SUNEETHA	EEE	2500	Tuition fee
73.	15811A0218	PADIMI BHARGAVI	EEE	2500	Tuition fee
74.	15811A0221	PONNAPU KISHOR	EEE	2500	Tuition fee
75.	15811A0222	RONGALA INDU	EEE	2500	Tuition fee
76.	15811A0223	RONGALA SWATHI	EEE	2500	Tuition fee
77.	150110005	RUTTALA	EEE		
	15011A0225	TULASIRAJYALAKSHMI		2500	Tuition fee
78.	1581140226	SEERAM RAJA DURGA	EEE		
	13011A0220	PRASAD		2500	Tuition fee
79.	15811A0231	VANDE SAISIREESHA	EEE	2500	Tuition fee
80.	15811A0502	APPILISETTI KARTHIK	CSE	2500	Tuition fee
81.	15811A0505	BANDARU GOWTHAM SAI	CSE	2500	Tuition fee
82.	15811A0507	BANDARU PAVAN KALYAN	CSE	2500	Tuition fee
83.	15811A0514	CHEKKA ROSHINI	CSE	2500	Tuition fee
84.	15811A0516	CHINNI PUSHPA LATHA	CSE	2500	Tuition fee
85.	15811A0518	DENDUKURI MOUNIKA	CSE	2500	Tuition fee

		PADMAPRIYA			
86.	15811A0524	GOM PA PYDITHALLI	CSE	2500	Tuition fee
87.	15811A0527	GUNA HARI KEERTHANA	CSE	2500	Tuition fee
88.	15811A0532	JETTI SAI PRAKASH KUMAR	CSE	2500	Tuition fee
89.	15811A0534	KADIMISETTY NAVYA	CSE	2500	Tuition fee
90.	15811A0537	KASIM KOTA RAMA KISHORE	CSE	2500	Tuition fee
91.	15811A0539	LEKKALA RAVALI	CSE	2500	Tuition fee
92.	15811A0543	MARTHI LAVANYA	CSE	2500	Tuition fee
93.	15811A0555	PENTAKOTA VINAY	CSE	2500	Tuition fee
94.	15811A0559	RALLAPALLI TEJASWANI	CSE	2500	Tuition fee
95.	15811A0563	ROUTHU JHANSI	CSE	2500	Tuition fee
96.	1581140564	RUTTALA HEMA VENKATA	CSE		
	1301170304	HARSHINI		2500	Tuition fee
97.	15811A0569	SURLA TEJASWI	CSE	2500	Tuition fee
98.	15811A0570	THATIKONDA KAVYA	CSE	2500	Tuition fee
99.	15811A0573	VEGI GAYATHRI	CSE	2500	Tuition fee
100.	15811A0401	AARLI ESTHER RANI	ECE	2500	Tuition fee
101.	15811A0402	ADIGARLA PAVAN	ECE	2500	Tuition fee
102.	15811A0405	BATTULU PAVANI	ECE	2500	Tuition fee
103.	15811A0423	GEDDAM GIRISH	ECE	2500	Tuition fee
104.	15811A0424	GOLLAVILLI HARISH	ECE	2500	Tuition fee
105.	15811A0427	GORREPATI TEJAVATHI	ECE	2500	Tuition fee
106.	15811A0428	GUNDUBOGULA HARSHKA	ECE		
107		SRAVANTH	ECE	2500	Tuition fee
107.	15811A0434		ECE	2500	Tuition fee
108.	15811A0436		ECE	2500	Tuition fee
109.	15811A0438		ECE	2500	Tuition fee
110.	15811A0439	KOTHARU SWAPNA	ECE	0500	Tuition foo
111			ECE	2500	Tuition iee
111.	15811A0442		ECE	2500	Tuition fee
112	1581140447	MARTHI SANDHYA BANI	ECE	2500	Tuition fee
112.	1581140449		ECE	2500	Tuition fee
113.	1581140450		ECE	2500	Tuition fee
117.	15811A0453		ECE	2500	Tuition fee
115.	15811A0454		ECE	2500	Tuition fee
110.	15811A0459		ECE	2500	Tuition fee
117.	15811A0470	SUBLA PRATHUSHA DEEPTHI	ECE	2500	Tuition fee
110.			ECE	2000	
117.	15811A0471	BALANANDA SWAMY	202	2500	Tuition fee
120.	15811A0476	VEDULLA HEMA	ECE	2500	Tuition fee
121.	14811A0303	ANALA SUNIL	MECH	2500	Tuition fee
122.	14811A0308	ATTILI SRINIVASA RAO	MECH	2500	Tuition fee
123.	14811A0316	BHEEM PALLI GANESH	MECH	2500	Tuition fee
124.	14811A0324	CHINTAKAYALA JAYARAM	MECH	2500	Tuition fee
125.	14811A0328	DAWALESWARAPU SAI	MECH	2500	Tuition fee
126.	1 4011 40000	DAWALESWARAPU SATYA	MECH		
	14811A0329	HEMANTH		2500	Tuition fee
127.	14811A0335	GAJI ARJUNA	MECH	2500	Tuition fee

128.	14811A0344	JAMPANA KRISHNA VARMA	MECH	2500	Tuition fee
129.	14811A0348	KAPARAPU SURESH	MECH	2500	Tuition fee
130.	14811A0350	KARRI ANIL KUMAR	MECH	2500	Tuition fee
131.	1401140050	KOLAPARTHY GANESH	MECH		
	14011A0355	KUMAR		2500	Tuition fee
132.	14811A0356	KOLLI SANEEL KUMAR	MECH	2500	Tuition fee
133.	1/181100359	КОТТАРАШ GOWTAM	MECH		
	140117 00000	KRISHNA		2500	Tuition fee
134.	14811A0362	KURAPATI NAGADURGARAO	MECH	2500	Tuition fee
135.	14811A0363	LAKKOJU HARINADH	MECH	2500	Tuition fee
136.	14811A0365		MECH		
107		VAHEED		2500	Tuition fee
137.	14811A0367		MECH	0500	T (
120	1 4011 40070		MECH	2500	Tuition fee
138.	14811A0370		MECH	2500	Tuition fee
139.	14811A0372		MECH	2500	Tuition foo
140	1/011/0272		MECU	2500	Tuition fee
140.	14011A0373		MECH	2500	Tuition fee
141.	14011A0374		MECH	2500	Tuition fee
142.	14011A0370		MECH	2500	Tuition lee
145.	14811A0379		MECH	2500	Tuition fee
144	1481140380		MECH	2500	Tuition fee
144.	1481140382		MECH	2500	Tuition fee
145.	1481140389		MECH	2500	Tuition fee
140.	1481140390		MECH	2500	Tuition fee
148	14811A0394		MECH	2500	Tuition fee
149	110117.0001	POTHULA SIVA NAGA	MECH	2000	
11,71	14811A0397	DURGA PRASAD	1112011	2500	Tuition fee
150.	14811A03A0	PRATHIPATI RAMA RAO	MECH	2500	Tuition fee
151.	14811A03A1	RAPARTHI AVINASH	MECH	2500	Tuition fee
152.	14811A03B8	SIRAM REDDY SATISH	MECH	2500	Tuition fee
153.	14811A03C2	TINO VARGHESE	MECH	2500	Tuition fee
154.	14811A03C4	TOTADA VAMSI	MECH	2500	Tuition fee
155.	1491140200	UNGARALA JAIDEEPU NAGA	MECH		
	14011A0300	SAI		2500	Tuition fee
156.		VISWANADHA SRI	MECH		
	14811A03D0	VENKATESWARA VAM SI			
		SHARMA		2500	Tuition fee
157.	15815A0311	DODDI PAVAN KUMAR	MECH	2500	Tuition fee
158.	15815A0332	LAKKARAJU MOHAN KUMAR	MECH	2500	Tuition fee
159.	14811A0204	CHAVVAKULA SWAROOPA	EEE	2500	Tuition fee
160.	14811A0206	GANIREDDYVASU	EEE	2500	Tuition fee
161.	14811A0209	JANAPAREDDI SATEESH	EEE	2500	Tuition fee
162.	14811A0216	MANDAPALLI SAI SUDHEER	EEE	2500	Tuition fee
163.	14811A0219	MOHAMMADVAHID	EEE	2500	Tuition fee
164.	14811A0221	PANCHADA MANIDESH	EEE	2500	Tuition fee
165.	14811A0222	PAPPALA NAGESWARA RAO	EEE	2500	Tuition fee
166.	14811A0224	RALLAPALLI REVATHI	EEE	2500	Tuition fee

167.	14811A0226	RUTTALA NARESH	EEE	2500	Tuition fee
168.	14811A0227	SAMBANGI PRABHAVATHI	EEE	2500	Tuition fee
169.	14811A0232	VABBALAREDDYNAIDU	EEE	2500	Tuition fee
170.	14811A0234	YARRAMSETTEMANIKUMAR	EEE	2500	Tuition fee
171.	14811A0505	BANGARU TARUN RAJ	CSE	2500	Tuition fee
172.	14811A0507	BODDU PAVANI	CSE	2500	Tuition fee
173.	1401140500	BONDA SURYA ARAVIND	CSE		
	14011A0509	SWAMY		2500	Tuition fee
174.	1/181100510	BOPPANA LAKSHMI	CSE		
	1401170310	LAVANYA		2500	Tuition fee
175.	14811A0514	DAGGUPATI VIJAYA DURGA	CSE	2500	Tuition fee
176.	14811A0515	DANGETI ROJA	CSE	2500	Tuition fee
177.	14811A0523	GRANDHI SWAPNIKA	CSE	2500	Tuition fee
178.	14811A0527	JANAKI NAGENDRA	CSE	2500	Tuition fee
179.	14811A0533	KARRI ANITHA	CSE	2500	Tuition fee
180.	14811A0538	LANKA VARUN VARDHAN	CSE	2500	Tuition fee
181.	14811A0540	LOKARAPU	CSE		
		VENKATARAMANA		2500	Tuition fee
182.	14811A0542	MOHAMMEDAKRAM	CSE		
		ISSACK AHMED	66F	2500	Tuition fee
183.	14811A0544		CSE	2500	Tuition fee
184.	14811A0546	NISHTALA SV V JYOTHI	CSE	2500	Tuition fee
185.	14811A0549	PALA VAMSI PRATHYUSHA	CSE	2500	Tuition fee
186.	14811A0550	PENTAKOTA BHAGYA SREE	CSE	2500	Tuition fee
187.	14811A0552		CSE	2500	Tuition fee
188.	14811A0553	POLAMARASETTI SALRAM CHARAN	CSE	2500	Tuition fee
189.	14811A0554	PRATAPAGIRI SAI KIRAN	CSE	2500	Tuition fee
190.	14811A0556	RAJANA PRANAY	CSE	2500	Tuition fee
191.	14811A0561	SALAM SETTY NANDINI DEVI	CSE	2500	Tuition fee
192.	14811A0565	SAYEDMOHAMMED NAINA	CSE	2500	Tuition fee
193		VABRELOKESH SOHII	CSE	2000	
175.	14811A0570	KUMAR	COL	2500	Tuition fee
194.		ADDEPALLI YN R	ECE		
	14811A0401	SABAREESH		2500	Tuition fee
195.	14811A0406	BANDAM ARUNA	ECE	2500	Tuition fee
196.	14811A0410	CHINTAKAYALA RAMU	ECE	2500	Tuition fee
197.	1401140410	DOPPA BABY LAVANYA	ECE		
	14811A0412	LAKSHMI		2500	Tuition fee
198.	14811A0414	ETAM SETTI GOWTHAMI	ECE	2500	Tuition fee
199.	14811A0416	GAVIREDDI DEVI	ECE	2500	Tuition fee
200.	14811A0417	GEDDAM JYOTHI	ECE	2500	Tuition fee
201.	14811A0418	GOLLU GOPAL	ECE	2500	Tuition fee
202.	14811A0420	GUNDUBOGULA ABHIPRIYA	ECE	2500	Tuition fee
203.	14811A0423	JAVVADI CHAKRA SAI	ECE	2500	Tuition fee
204.	14811A0425	KACHCHALLA KUMARI	ECE	2500	Tuition fee
205.	14811A0426	KADARI SRINU	ECE	2500	Tuition fee
206.	14811A0431	KANNURU PADMAJA	ECE	2500	Tuition fee

207.	14811A0435	KORASALA BHASKAR	ECE	2500	Tuition fee
208.	14811A0438	LEKKALA RAMATULAS	ECE	2500	Tuition fee
209.	14811A0440	MAKIREDDI CHINNA	ECE	2500	Tuition fee
210.	1401100441	MANTRIPRAGADA PHANI	ECE		
	14011A0441	RAJA MITRA		2500	Tuition fee
211.	14811A0443	Mogalapalli Alekya	ECE	2500	Tuition fee
212.	14811A0446	NOOTHI SIRISHA	ECE	2500	Tuition fee
213.	14811A0448	PATCHIGOLLA SITARATNAM	ECE	2500	Tuition fee
214.	14811A0452	PRASADI MANJULA	ECE	2500	Tuition fee
215.	14811A0455	RAPETI JAGADEESH KUMAR	ECE	2500	Tuition fee
216.	14811A0458	RUTTALA JYOTHI	ECE	2500	Tuition fee
217.	14811A0459	RUTTALA REVATHI	ECE	2500	Tuition fee
218.	1491140460	SAYAM YUVARAMA	ECE		
	14011A0400	CHANDRA HAS		2500	Tuition fee
219.	14811A0464	SIRAM ROHINI PRIYANKA	ECE	2500	Tuition fee
220.	14811A0466	SUNKARA SANTHOSH	ECE	2500	Tuition fee
221.	1/911/0/60	TUMMALAPALLI	ECE		
	14011A0409	SWAMINADH		2500	Tuition fee
222.	14811A0472	VADDI RAVI KUMAR	ECE	2500	Tuition fee
223.	1/181100/73	VADDI SHYAM VENKATA	ECE		
	1401170473	KUMAR		2500	Tuition fee
224.	1/181140/76	VIYYAPU VARAHA ANIL	ECE		
		KUMAR		2500	Tuition fee
225.	14811A0478	YERRA PREM KUMAR	ECE	2500	Tuition fee
226	14811A0479	YERUBOLU RAM YA	ECE	2500	Tuition fee

Institutional concession fee details:

Description	2015-16	2012-13	2011-12
Tuition Fee	477500	422500	322000
Bus Fee	56000	54000	32000
Hostel Fee	138000	95000	54000
Total amount in Rs	6,71500	5,71500	4,08000

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

90% of students receive financial assistance from the State Government. and 1% from national agencies like LIC,PMRY, GMR, IOCL etc.

Fee Reimbursement from State Government: 2014-15

MAKAVARAPALEM COLLEGE				
MBAMTECH BTECH	ISCHOLARSHIP(RENEWAL) DETA	AILS2014-2015		
	RENEWAL			
CATEGORY	STENGTH	RECEIVABLE	33500	
SC	78	2736200	35000	
ST	17	600500	37600	
BC	578	20348500	37600	
BC	192	6706500	57000	
MIN	15	506000	27000	
TOTAL	880	30897700		

MAKAVARAPALEM COLLEGE					
MBAMTECH BTECH SCHOLARSHIP(FRESH) DETAILS 2014-2015					
FRESH					
CATEGORY	STENGTH	RECEIVABLE	3500		
SC	28	1063400	3500		
ST	4	169800	3500		
BC	319	11351000	570		
BC	122	4298000	270		
MIN	14	540000	2700		
TOTAL	487	17422200			

BC, EBC, MIN		
33500	4th	
35000	3rd	
35000	2nd	
35000	1st	
57000	MTEch	
27000	MBA	

ST, SC

4th

3rd

2nd

1st

MTEch

MBA

MAKAVARAPALEM COLLEGE				
DIP SOHO	LARSHIP(FRESH) DETAILS 2014-	2015		
		FRESH		
CATEGORY	STENGTH	RECEIVABLE		
SC	3	44700		
ST	0	0		
BC	59	879100		
⊞C	18	268200		
MIN	0	0		
TOTAL	80	1192000		
Grand Total	1447	48319900		

DIP (SC, BC, EBC)	
14900	

Description	2014-15	2013-14	2012-13	2011-12
Total number of students	1546	1234	1349	1232
Total number of students receives financial assistance from Govt.	1447	1191	1222	1097
percentage of students receives financial assistance	94%	97%	91%	89%
Total Amount Rs.	4,83,19900	4,13,40700	4,08,18700	3,73,30700

5.1.4 What are the specific support services/facilities available for students given below.

The Institution is committed to provide the students every possible help and support they need in pursuit to become civilized and worthy citizens. The college as stated earlier, was set up with a mission of imparting holistic education. The institution for this purpose provides the following support facilities to its students.

SC/ST, OBC and economically weaker sections

- The students who belongs to SC/ST/OBC and economically weaker sections are identified during the process of admission only. The college maintains the detailed recorded of the same. These students are provided every possible help during the stay in the college.
- The Central Government, State Government, University sponsored scholarships and concessions are given to such students. The college management is very thoughtful regarding such students
- > The College Library issue book bank library facility from which SC/ST students can borrow additional books.
- All SC/ ST students receive financial assistance in the form of tuition fee, maintenance charges and pocket money from the government as per the state government regulations.
- > College Attached Hostel (CAH) is provided to the SC/ST students.
- OBC students also receive financial assistance in terms of tuition fee and maintenance charges.
- > The college arranges additional training and remedial classes for academically lagging students.
- Faculty advisors and Class counselors take special attention of slow learners, identifying their academic deficiencies.

Physically challenged and other disabled students

- > Wheel chair for physically challenged persons with a person assistance
- > Class and examination rooms are arranged on the ground floor.

Overseas students

• There are no overseas students in this college.

Students to participate in various competitions/conference in India and abroad.

- The college extends financial support to students participating in various competitions, conferences in India and abroad as per the HR Policy.
- Good number of students secured prizes in Inter University and Inter Collegiate events.



Medical Assistance to students

- > The college has a very special concern for the health and hygiene of the college students, staff, and other members.
- The College has a Medical Centre for emergencies. Part time Doctor and a fulltime nurse is available on campus. First aid will be given and for any serious issues it'll be referred to the multi specialty hospital where we had a MOU.
- Apart from the above the college organizes check up camps by physicians, dentists, ophthalmologists, dermatologists and keeps a strict watch on the health of students and the staff.
- Proper arrangement for purified drinking water is available in the college campus.
- > Group Insurance is provided to all the students, faculty and staff.
- > Ambulance is provided on campus for emergency cases.

Organizing Coaching classes for Competitive Examinations

- Every week 2 hours slot was incorporated in regular time table to give special coaching classes for competitive examinations by external experts like TIME Institute, Job Info Solutions, B Tech Guru.
- In addition, the T&P and career guidance cell provides guidance and conducts aw areness programs on career planning and competitive examinations like GATE/ CAT/ GRE/ TOEFL/ IES,etc.
- The college has sufficiently well stocked library books for GATE/ CAT/ GRE/ TOEFL.

Skill Development (Spoken English, Computer literacy)

The college regularly conducts Personality Development programmes (PDP) which enhances the confidence and communication skills of the participants. The college also invites experts and eminent people from the industry which provides regional and global advancements and latest trends for the students. Special classes

are taken for communication skills taking in to considerations the background of the students. The college has the following laboratories to enhance students' skills.

- > ELCSLab: For developing communication skills.
- A ELCS Lab: To enrich their body language, voice modulation and eye contact.
- Two Trainers are providing in-house training on English proficiency for the students.
- > IT Workshop: For developing technical and core skills.

LIST OF INHOUSE TRAINING PROGRAMS CONDUCTED

Academic Year	No of Programs	NAME OF THE AGENCY	DATE
		Soft Skills , Group Discussion & Personal Development-MEDHA. Visakhapatnam	29-09-2015
2015 16	4	IBM-blue MIX technologies. IBM. Hyderabad	29-09-2015
2015-10	4	Soft Skills , Group Discussion & Personal Development.Senior Trainer.JKC.Hyderabad	30-09-2015,01-10- 2015
		CRT Classes by OMEGA Career Solutions. Hyderabad	August 2015 to Till Date
2014-15		Globarena -Hyderabad(JNTUK Partner)	Aug 2014-Dec 2014
	4	CRT Classes by OMEGA Career Solutions. Hyderabad	July 2014 to Feb 2015
	4	Soft Skills , Group Discussion & Personal Development. Senior Trainer,JKC,Hyderabad	9-09-2014 to 10- 09-2014
		IBM-DB2 Workshop by JKC.Hyderabad	21-07-2014
2013-14		IBM Worklight by IT Associate.JKC	29-03-2014
	3	Globarena -Hyderabad(JNTUK Partner)	Sep 2013 to Jan 2014
		Soft Skills , Group Discussion & Personal Development-MEDHA. Visakhapatnam	Aug 2013- Sep 2013

Support for slow learners

- The College understands that it has to serve the basic education needs of one and all. Each and every faculty analyzes the performance of the students in the previous semesters/ year and identifies the weak/ slow learners/ advance learners before entering in to the first class and confirms the list of slow learners.
- Remedial classes are arranged for such slow learners. Make up tests are held to assess their learning after taking remedial classes.
- For every twenty students a Faculty Advisor is appointed to help him/ her with counseling and intensive coaching. Faculty Advisors continuously monitor their progress.

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

- Students are encouraged and guided to participate in events organized by other institutions to have a better exposure and develop culture for team work.
- Students visit various industries, higher learning institutions and corporates for practical exposure.



Students at NSTL; Visakhapatnam as part of Industrial Tour

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

- Entrepreneurship Development Cell is involved in arranging one day seminars / workshops by the well known entrepreneurs from medium and small scale industries.
- EDC has been developed with 6 Faculty and 12 student coordinators. The committee will conduct the seminars/workshops.

List of Committee members:

s.no	Name of faculty	Designation	Position
1.	V.Sai Prasanth	HOD, MBA	Convener
2.	Ch.V.Sridevi	Assoc. Professor, ECE	Co-Convener
3.	P.V.S.Prabhakar	Asst. Professor, CSE	Member
4.	K.DurgaRao	Asst. Professor, EEE	Member
5.	B.Ramesh	Assoc. Professor, MECH	Member
6.	J.KondaBabu	Asst. Professor,H&BS	Member

List of Student Coordinators:

S.NO	Coordinator	Department	
1.	N.Sireesha Rani		
2.	M Pulla Rao	ECE	
3.	R Priyanka		
4.	D.Sanjay	EEE	
5.	P.Ravi kumar		
6.	A.Prasanna krishna	CSE	
7.	M.Uday kumar	CBE	
8.	Konala sandeep		
9.	P. Anil kumar MECH		
10.	G. murali krishna		
11.	T.Sai krishna	MBA	
12.	L.Laxman kumar	MBA	

The Entrepreneurship cell conducts the following programmes.

- Faculty development programs
- ➢ Industry expectations
- Establishment of a new business
- Overseas education and opportunities
- Industry institute interaction etc.

List of seminars/workshops held by the Committee:

S. No	Name of the Resource Person/ Organization	Name of the Program	Dates		
2015-16					
	Faculty development program				
1	b y Prof M.L Sai Kumar is a Fellow Computer Society of India & Professor & PGDM Co-ordinator, Institute of Public Enterprise	Faculty development program	18-03- 2016		
2	Sri J.Satyanarayana I.A.S Advisor,IT,Govt.of Andhra Pradesh. Sri. Adapa Raja suresh Kumar Founder & CEO,Synchroserve Global Solutions Pvt.Ltd.Hyd.	Future Challenges in IT and Skill Development	6-10- 2015		
3	Sri M.Srikanth National Head Academy of Robotics	Entrepreneur development program &Two days workshop on Robotics and embedded systems	16 th to 17 th Oct 2015		
2014-15					
1	Sri Rayaprolu S.S Sarma Head Virtusa,Hyd	Career Opportunities	13-02- 2015		
2	Dr .M Laxminarayana Scinetist'H',DLRL&Vice Chairman,IEEE Hyd Section	Future Challenges in Military and Role of DLRL	14-02- 2015		
3.	Sri T.Vasudeva Rao Head, Startup Village,Visakhapatnam	How to start SSI unit, general & financial aspects of SSI, Salient futures of project report	14-02- 2015		
4.	Sri Narendra Nerla Vice President,Inspire Edge IT Solutions,VSP	Future Challenges in IT and Skill Development	14-02- 2015		
5	Dr .Deepak L.Waikar Energy consultant, Singapore	A two day skills, development workshop on sustainable and clean energy technologies resources	22 nd to 23 rd Jan 2015		
6	JNTUK,Kakinada & Avanthi institute of engineering and technology & Visakhapatnam port trust. M.T.Krishna Babu, IAS Chairman, Visakhapatnam Port Trust & Dr. G. Tulasi Ram Das, Vice Chancellor, JNTU Kakinada	Exploring entrepreneurship opportunities in Andhra Pradesh" Organised by centre for entrepreneurship development JNTUK,Kakinada in association with Avanthi institute of engineering and	10 th to 11 th Oct 2014		

		technology&Visakhapatnam				
		port trust				
	2013-14					
1	Sri S.Surya Shankar,DGM(Telecom) Visakhapatnam Steel Plant	Career Opportunities in BSNL	5-04- 2014			
2	Sri K srinivasa Rao Div.Manager(Lines) APTRANSCO,Kalpaka	Career Opportunities in APTRANSCO	5-04- 2014			
3	Sri N Rajesh Group Head(Enterprise Marketing) Miracle Software systems	Historical background to Indian values entrepreneurship in the present scenario	5-04- 2014			
4	Sri M Prasad Sr.DGM(E&I),ANRAK,Makavarapalem	Career Opportunities	4-04- 2014			
5	Sri K Ajay AssociatevVice- President,ANRAK,Makavarapalem	Career Opportunities	4-04- 2014			
6	E-Plus club To improve communication Skills	Organizing inter collegiate E- Plus Club Challenge	Feb 22 2014			
2012-13						
1	Mr. Abraham Vergheese, Scientist-F, NSTL, Visakhapatnam	Enterprenincial oriented programme	22-03- 2013			
2.	Mr. K. Veeru Naidu, TCS, Hyd	Career Opportunities	22-03- 2013			

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.

Policies and Strategies:

• Special hour is allotted in time table for co-curricular activities like sports& games, library, internet and counseling.



AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY TAMARAM, MAKAVARAPALEM MANDAL, VISAKHAPATNAM DISTRICT W.E.F. :

III B.TECH. II SEMESTER (R10) ECE-I BRANCH TIME-TABLE FOR THE YEAR 2014 - 15

	1	2	3		4	5	6
DAY -	9 TO 10	10 TO 11 -	11 TO 12	12.00 TO 12.30	12.30 TO 1.30	1.30 TO 2.30	2.30 TO 3.30
MON	CN	MWE	VLSI ***		MP a	& MC LAB/E CAD	LAB
TUE	MS	MWE	CN	AK	DSP	VLSI	IPRP-2
WED	MS	DSP	MP&MC	BRE/	CN	MWE	LIBRARY
тни	DSP	MS	MP&MC	NCH	E CA	AD/MP & MC LAB	LAB
FRI	VLSI	MS	MWE	ΓN	CN	MP & MC	SPRTS
SAT	MP&MC	VLSI	MS		IPRP-2	CN	DSP

DSP VLSI MWE MP&MC CN NARESH MS NOOKI NAIDU MP LAB SRIDEVI/E GOVINDA ECAD Lab : Asho K/ Avril IPR & Patent II: Archanos

PRINCIPAL

- Attendance will be considered to the students who participate in extracurricular and co-curricular activities.
- TA & other expanses will be provided to the students if they are participated in university and zonal levels, and also provided to students who got the prizes in inter institutional activities.

Conducting special classes for the students who are participating in

• sports / NSS / cultural events / extra-curricular activities

Implementations:

- Two full time Physical Directors have been appointed.
- A sports club has been developed with 6 male faculty coordinators, 5 female faculty coordinators and 12 student coordinators along with 2 PDs to organize several games and sports and to encourage the students for better participation in competitions.

Department	Faculty co-ordinator	Stu	ident co-coordinator
Physical	Mr.S.K.Khadar Basha		
Director	Mr.M.Kumar Raja		
CSE	Mr P.Naresh	1.	E. Harish
	Ms V.Suneetha	2.	Ch. John Paul
ECE	Mr R.Aneel kumar	1.	G Sai Lakshmi
	Ms P.Sri Satya	2.	P M V Appa Rao

List of sports club members:

SAHITYA KIRAN B N SRINIVAS RAO R PRASAD RAO E GOVINDA

EEE	Mr P.Anil Kumar	1. A Ravi Kumar
		2. S Hima Bindu
H&BS	Mr G.V Nagesh	1. B.Sai Kalyan
	Ms S. satya sree	2. Mahindra Chandhu
MECH	Mr V.Harikiran	1. Chaithanya prabhu
	Ms V.Kanakavardhini	2. G.Murali krisna
MBA	Mr T.Gopi	1. A Ganga Appa Rao
	Ms E.Roopa	2. A Srividya

• A cultural club has been developed with 6 faculty coordinators and 12 student coordinators with one Physical Director organizing various extra-curricular activities like singing, dance, skit playing and role plays which leads to students to involve in the competitions.

List of cultural club members:

Department	Faculty co-ordinator	Student coordinators	
Physical Director	Mr.S.K.Khadar Basha	-	
ECE	Mr D.Lakshmi Narayana	 P Hima Bindu B Ranjith Kumar 	
CSE	Mr N.Swaroop	 M Vinay Kumar Ch Pavani 	
EEE	Mr P Varahala Dora	 T Sai Ram A Naga Babu 	
MECH Mr P.Rama krishna		 Shahbaaz khan Ch. Tarun Kumar 	
H&BS	Mr P Som Babu	1.B.Teja 2.G.Harish	
MBA	Mr K.Nooki Naidu	 L Sravani Subba Rao 	

• A Literary Club has been implemented with 7 faculty team and 10 Student coordinators as listed and conducting various literary activities like debate, quiz, extempore etc., on regular basis and winners are awarded prizes and certificates.

List of literary club members:

Department	Faculty co-ordinator	Student coordinators
T&P	Mr T.SrinivasaRao(Assoc.Professor)	-
ECE	Mr B.N Srinivasa Rao(Assoc.Professor)	M Sai Jyothi (III year)
		M Varahala Naidu (IV year)
CSE	Mr G Varahagiri(Asst.Professor)	B V S S Teja (IV year)
		B Bhaskar (III year)

EEE	Mr J Dileep kumar(Asst.Professor)	S Pooja (IV year)
		G Appa Rao(III year)
MECH	Mr ANS Surya Prakas(Asst.Professor)	CH. Santosh kumar (IV year)
H&BS	Ms K.Kalyani(Asst.Professor)	G.Mounika (I CSE)
MBA	Mr K Santhosh Kumar(Asst.Professor)	Appala Raju (II year) S Nikitha (I year)





SPORTS & GAMES ACHIEVEMENTS 2015 - 2016

S.NO	Name	Class	Represented in
1	Mr Murali	III MECH	Made her debut through Selection for JN T U, Kakinada, South Zone Inter University Sports Meet Aug 2015 in Boxing meat at Vijayawada to be held at University of Haryana, Punjab.

SPORTS & GAMES ACHIEVEMENTS 2014 - 2015

S.NO	Name	Class	Represented in
1.	Mr Vamsi Mr sunny Mr Prayeen	II MECH	The team represented in JNTUK Athletics meat 4*100m relay run and one bronze medal
	Mr praveen		
2	Mr Murali	II MECH	He is represented in JNTUK Athletics meat 5Km Run and one silver medal
3	Mr Charan	II MECH	He is represented in JNTUK Athletics meat 100mts Run and one silver medal
4	Ms sukanya	I CSE	She is represented in JNTUK Athletics meat shot put .
	Ms Sambhavi	I CSE	The team represented in JNTUK Athletics
5	Ms Sukanya	I CSE	meat 4*100m relay run
5	Ms Ramya	III ECE	
	Ms Bhagya	IICSE	
6	Ms prasanna Tulasi	I ECE	She is represented in JNTUK Athletics meat 1500mts&800mts

SPORTS & GAMES ACHIEVEMENTS 2013 - 2014

S.NO	Student Name	Class	Represented in
1	K.Jaya swathi	IVECE	Won 400m run silver medal&
			800run bronzmedal,4*400m relay run bronze
			medal
2	B,Sridevi	IVCSE	High jump-bronze medal,1500run-
			bronzemedal,4*400relay run-bronze medal
3	N.Sravani	IVCSE	4*400relay run-bronzemedal
4	G.Divya Kumari	IVCSE	4*400relay run-bronzemedal
5	P.Ramya	IVECE	100m run- bronzmedal,
6	R.Sravani	III MECH	1500m run-Silver medal
7	S.SnayasiNaidu	III MECH	1500m run-Silver medal,800m run –
			Bronzemedal,4*400m realy run-gold medal
8	N.VenuGopalswamy	IVECE	400m relay run-gold medal,
			He is represented as JNTUK kho-kho team
9	K.Rajesh Kumar	IVEEE	800m run-silvermedal,4*400nm realay run-gold
			medal
10	S.Charan kumar	IIMECH	4*100m realy run bronze medal
11	MD.Askhpak ali	IIIMECH	4*100m realy run bronze medal
12	D.Narendara	IIIMECH	4*100m realy run bronze medal
13	M.Praveen kumar	IIMECH	4*100m realy run bronze medal
14	B.VamsiKrishna	IMECH	4*100m realy run-bronze medal, he is
			represented as JNTUK Athlentics team, He is
			participated All-India inter university Athletics
			meet at Punjab university, patilala, Punjab state
15	S.Ramesh(captain)	IIIEEE	Our college team secured volley ball winners at
			JNTUK, Inter collegiate
			games(MEN)tournament 2013-14 was
			organized by GMRIT, Rajam.

SPORTS & GAMESACHIEVEMENTS 2012 - 2013

S.No	Name	Class	Represented in
1			Represented Open National Level Wado Karate
			Championship 2012 April. He won National
	Mr.D.Dattatreya	Iyr MBA	Bronze Medal 60 Kgs Sparing Section at
			Hyderabad.
2	Mr. K. Johnson		Made him debut through selection for
	Varghese		JNTUniversity, Kakinada, Inter University
		III Yr	Sports Meet 2012 -13 December in Basket
		B.Tech(IT)	Ball game held at NTR Health University of
			Sciences, Vijayawada
3			Represented Open Kenurey Nation Karate
	Mr. D. Dattatreya		Championship, Nov, 2012 National Gold
		IIyrMBA	Medal 55 kgs sparing section at Kerala.
4			Made her debut through Selection for J N T U,
	Ms. K. Jaya Swathi	III Yr	Kakinada, South Zone Inter University Sports
		B.Tech(ECE)	Meet December, 2012 in Kho-Kho game to be

			held at University of Calicut Malapuram, Kerala.
5	Mr. D. Rama Raju	IV Yr B.Tech(CSE)	Represented made him debut through Selection for J N T U, Kakinada, All India Inter University Athletics, tournaments, January, 2012 held at University of Kalyani, Kalyani, West Bengal.

S.NO	Name Of The Student	Year/Branch	Events & Prizes
1	Ms. K. Jayaswathi	III Yr B.Tech(ECE)	Achieved Silver Medals for 200 Meters Run, & 800 Meters Run and Gold Medals for 4 x 100 Mts & 4 x 400 Mts Relay Run at J N T University, Kakinada during March, 2012.
2	Ms. D Shiney	IIYr B.Tech(ECE)	Achieved Silver Medals for 200 Meters Run and Gold Medals for 4 x 100 Mts & 4 x 400 Mts Relay Run at J N T University, Kakinada during March, 2012.
3	Ms. L Vanaja	I Yr B.Tech(ECE)	Achieved Bronze Medal for 400 Mts. Run and- Gold Medal for 4 x 400 Mts. Relay Run at Aditya Engineering College, Surampalem, East Godavari District during December, 2012.
4	Ms. G. Yashoda	IIYrB.Tech(M ECH)	Achieved Gold Medal for 4 x 400 Mts. Relay Run at Aditya Engineering College, Surampalem, East Godavari District during December, 2012.
5	Ms. Sai Aswitha	IYr B.Tech(CSE)	Achieved Bronze Medal for 100 Mts. Run at Aditya Engineering College, Surampalem, East Godavari District during December, 2012.
6	Mr. D. Rama Raju	IVYr B.Tech(CSE)	Achieved Silver Medal for 200 Mts. Run and Silver Medal for 4 x 400 Mts. Relay Run at Aditya Engineering College, Surampalem, East Godavari District during December, 2012
7	Mr. P. Pydam Naidu	IVYr B.Tech(EEE)	Achieved Bronze Medal for 4 x 400 Mts. Relay Run at Aditya Engineering College, Surampalem, East Godavari District during December, 2012.
8	Mr.N.Venugopal Swamy	IIIYr B.Tech(EEE)	Achieved Bronze Medal for 4 x 400 Mts. Relay Run at Aditya Engineering College, Surampalem, East Godavari District during December, 2012.

<u>JNTUK& Inter Collegiates (Central Zonal Level)</u> <u>Athletics Men & Women Achievements 2012-2013</u>

9	Mr. K Rajesh Kumar	IIIYr B.Tech(EEE)	Achieved Bronze Medal for 4 x 400 Mts. Relay Run at Aditya Engineering College, Surampalem, East Godavari District during December, 2012.
10	Mr. P Siva Kumar	IIIYr B.Tech(EEE)	Achieved Silver Medal for 4 x 100 Mts. Relay Run at Aditya Engineering College, Surampalem, East Godavari District during December, 2012.
11	Mr. Md. Aspak Ali	IIYrB.Tech(M ECH)	Achieved Silver Medal for 4 x 100 Mts. Relay Run at Aditya Engineering College, Surampalem, East Godavari District during December, 2012
12	Mr. S Sanyasi Naidu	IIYrB.Tech(M ECH)	Achieved Silver Medal for 4 x 100 Mts. Relay Run at Aditya Engineering College, Surampalem, East Godavari District during December, 2012.
13	Mr. S Charan	IYr B.Tech(MECH)	Achieved Bronze Medal for 4 x 400 Mts. Relay Run at Aditya Engineering College, Surampalem, East Godavari District during December, 2012

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

• A Carrier Guidance Cell is developed with one TPO, one Professor In-charge along with 5 teaching faculty coordinators.

• All the coordinators are interacted with the students; based on their interest we can form the groups and making a path for their success according to their own interest.

• In past years the committee has been conducted GATE classes and Mock tests with the help of GATE FORUM and GATEWAY learning training intuitions.

• The committee has been conducted CRT classes with the help of JKC and Inter institutional faculty.

Career Guidance Cell is constituted with the following members.

S.no	Career Guidance Committee Coordinator	Department
1.	Mr T.Srinivasa Rao	ТРО
2.	Sri MV Ramana Murthy	Professor Incharge
3.	Mr N.V.Ashok kumar	CSE
4.	Mr P.ashok kumar.	ECE
5.	Mr R.aneel kumar	ECE
6.	Mr V.hari kiran.	MECH
7.	Mr B.prasanth.	MBA

Academic Year	GATE	PGECET	GRE
2014-15	2	22	-
2013-14	3	18	5
2012-13	5	26	8

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

- Academic and personal counseling is done by a teacher for a group of 20 students.
- > For the total 4 years a consolidated report is maintained for each student.
- Sample Counselors list of Electronics and Communication Engineering 2012 admitted students



AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY TAMARAM (VILL), MAKAVARAPALEM (M.O), VISAKHAPATNAM (DIST).

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Counsellers of IV – B. Tech For The Academic Year-2015-16

S.No	Student Roll Numbers	Number of students	Name of Counseller	Sign.
1.	1281140 401-420	20	P. Ashok	Artis
2.	1281140 421-440	20	R. Aneel kumar	Ducelen
3.	12811 AD 441-460	20	P. Sri satza	Poto
4.	12811A0 461-482	20	CH. Srideri	VED
5.	12811 AO 483-4A3	20	D. Lalcshminercych	a Alazani
6.	12811A0 4A4-4A7	19	D, stinivas	Smiller
7.	12811 AO 401-13815 AD 403	20	P. Razhava toman	Lun
8.	1381510405 - 424	20	T.P. Naidu	T.P.Naidu
9.	1381540425-441	17-	p-schityakiran	Thin

HOD

HEAD OF THE DEPARTMENT DEPARTMENT OF ECE Avanthi Institute of Engg. & Tech. Makayacapatem, Visakhepatnam Dist.531 113

PRINCIPAL Principal Avanthi Institute of Engg. & Technology Tamaram, Makavarapalam Md., Visakhapatnam District

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 established a separate carrier guidance and Training and Placement Cell with one full time Placement Officers. It invites reputed companies for campus placements by sending the profile of the college. The institution also effectively uses its alumnus working with the companies in attracting the companies for campus placements.

Services Provided: The carrier guidance and T & P Cell is making all possible efforts to further improve the employability skills of students through its activities like personal development, Soft skills, Emotional intelligence and communication labs. It also conducts a well structured pre-placement training right from I year to III year. The students are fully trained by the time the campus recruitment process starts in IV year.



LIST OF INHOUSE TRAINING PROGRAMS CONDUCTED

Academic Year	No of Programs	NAME OF THE AGENCY	DATE
		Soft Skills , Group Discussion & Personal Development-MEDHA. Visakhapatnam	29-09-2015
2015 16	4	IBM-blue MIX technologies. IBM. Hyderabad	29-09-2015
2015-16	4	Soft Skills , Group Discussion & Personal Development.Senior Trainer.JKC.Hyderabad	30-09- 2015,01-10- 2015
		CRT Classes by OMEGA Career Solutions. Hyderabad	DATE 29-09-2015 29-09-2015 29-09-2015 30-09- 2015,01-10- 2015 August 2015 to Till Date Aug 2014- Dec 2014 July 2014 to Feb 2015 9-09-2014 to 10-09-2014 12-12- 2014to 13- 12-2014 29-03-2014 Sep 2013 to Jan 2014 Aug 2013- Sep 2013
2014-15		Globarena -Hyderabad(JNTUK Partner)	Aug 2014- Dec 2014
		CRT Classes by OMEGA Career Solutions. Hyderabad	July 2014 to Feb 2015
	4	Soft Skills , Group Discussion & Personal Development.Senior Trainer.JKC.Hyderabad	9-09-2014 to 10-09-2014
		IBM-DB2 Workshop by JKC.Hyderabad	12-12- 2014to 13- 12-2014
2013-14		IBM Worklight by IT Associate.JKC	29-03-2014
	3	Globarena -Hyderabad(JNTUK Partner)	Sep 2013 to Jan 2014
		Soft Skills , Group Discussion & Personal Development-MEDHA. Visakhapatnam	Aug 2013- Sep 2013

DETAILS OF PLACEMENT ARE GIVEN BELOW:

ACADEMIC YEAR	NAME OF THE ORGANIZATION	SALARY PACKAGE PER ANNUM IN LAKHS	NUMBER OF STUDENTS SELECTED
2015-16	CAPRUSIT	1.2	1

	App Associate	1.9	4
	CTS,Hyderabad	2.7	1
	Green Brooks	1.9	4
	Cape Electric	1.8	1
	Rajdeep Infotech	1.4	4
	Sanspareil it solutions	2	8
	Act CAD	2	1
	Axalt Technologies PVT limited	2.2	4
	Anupama Electric	1.4	3
	Happy core network India PVT LTD	1.8	5
	Rane Madras LTD	1.5	9
	Digi tele services	1.5	12
	Credency solution PVT Limited	2.0	12
	Kochar Solutions	1.4	1
	Elico Instrumentation	1.4	1
TOTAL(Till d	late)		70
	AXALT TECHNOLOGY	2.7	12
	EXCELL GLOBAL SERVICE, VSP	2	2
	GENPACT, HYD	1.8	25
	GREEN INDIA MINIG, HYD	1.5	12
	IBM, BANGALORE	2.6	8
	IN RHYTHAM, HYD	2.3	4
	INFOSYS,HYD	3.1	1
	MIRACLE SOFT WARE, VSP	1.4	5
2014-15	MPHASIS, BANGALORE	2.1	11
	POLARIS,HYD	2.6	8
	PROLIFICS, HYD	2.4	6
	SUTHER LAND, HYD	1.8	10
	TCS,HYD	2.7	2
	TECH MAHINDRA, HYD	2.5	6
	XPORT SOFT TECHNOLOGIES, HYD	1.8	1
	EIDER MOTORS, HYD	2.1	5
	POWER BUILT, HYD	2.1	5

TOTAL			123
	TECH MAHINDRA, HYD	2.47	17
	SEMANTI SPACE	2.3	8
	TECHNOLOGIES, HYD		
	(PROLIFIC SYSTEMS)		
	MIRACLE SOFTWARE	1.2	10
	SOLUTIONS, VSP		
	GENPACT, HYD	1.9	13
	AURO POWER PVT	2.1	10
	LTD,BANGALORE		
	GREEN BROOKS	1.2	3
	TECHNOLOGIES		
	INFOSYS	2.8	9
	GEMINI	1.2	2
2013-14	COMMUNICATION, CHENNAI		
	HCL,BPO	1.8	9
	WIPRO,BPO	1.8	10
	USM SYSTEM, HYD	2.2	4
	OFOS PVT LTD	1.5	15
	HELIOSCOMMUNICATION	1.2	4
	ACCERE GLOBAL SOLUTIONS	2.4	5
	Synatel inc	2.3	19
	SUTHER LAND	1.3	14
	IBM	1.9	1
	TATA MOTORS	2.5	3
	AAS TECHNOLOGIES, HYD	1.2	9
TOTAL			138
	AASTECHNOLOGIES	1.2	10
	APPLEINE TECHNOLOGIES,	2.0	
	NOIDA		20
	CROSS DOM INE, BANGALORE	1.9	8
	GENPACT. HYD	1.9	4
	GIA HAD	1.8	11
		1.8	0
		1.0	9
	HOSPERICA, VSP	1.9	/
	INFOTECH, HYD	1.8	4
	OLAM INDUSTIRE PVT LTD ,	1.4	
2012-13	VSP		7
	OMEGA SEA SERVICE	1.2	
	,MUMBAI		5
	OSMOSYS,HYD	1.8	13
	POSCO MAHARASHTRA	1.4	
	(STEEL)		3
	QM TECHNOLOGIES, HYD	1.8	9
	QUANTUM CLOTHING GROUP	1.4	
	LTD VSP		6
	SEMANTIC SPACE	2.3	
	TECHNOLOGIES, HDY		10

	(PROLIFIC SYSTEMS)		
	TECH MAHINDRA	2.4	1
	TOXSL	1.2	4
TOTAL			131





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. The college has established grievance Redresses cell for students.

The conege has established grievance Redresses cen for studen

- Principal is the chairman for all the grievance committees.
- HODs are responsible for resolving the grievances under the guidance of principal.
- Grievance redressal cell is developed with seven faculty members and 14 student coordinators. The total team will look after grievances.

Grievance redressal committee:

In-charge of the committee: Sri M.V Ramana Murthy, Professor

Department	Faculty Co-Ordinator	Student co- ordinators
ECE	M Kedareeswara Rao, Assoc. Professor	A.Vamsi Krishna
EEE	Mr P Anil Kumar, Asst.Professor	K Praveen Kumar
CSE	Mr NV Ashok kumar, Asst. Professor	Shabanazmi
H&BS	Mr G Syam Kumar, Assoc.Professor	B.B.M Raja sekhar
Mech	Sri V.Hari Kiran, Assoc.Professor	Rajana kishore (IV

		year)
MBA	Mr K Nooki Naidu, Asst.Professor	P Ravi (II Year)

Women Grievance redressal committee:

In-charge of the committee: Smt.CH.V Sridevi, Assoc. Professor

Department	Faculty co-ordinator	Student coordinators
CSE	Ms V.Suneetha	B Sunanda (IV YEAR)
EEE	Smt S.Sujatha Devi	U Kusuma Kumari (III YEAR)
ECE	Smt P. Raghava kumari	P.Tejaswi (IV year)
H&BS	Ms Mary Theressa	Ch. Pushpa latha (I YEAR)
Mech	Ms S.Anusha	Novadheep kour(IV year)
MBA	Ms P.Jyoshtna	Naga Jyothi, (I YEAR)

SC/ST Grievance redressal committee:

In-charge of the committee: Mr N.Swaroop,Asst.professor

Department	Faculty co-ordinator	Student coordinators
CSE	Mr.K Vara Prasad, Asst.professor	K Prasanth Kumar (III year)
EEE	Mr U.Anjaiah, Asst.professor	Ch Venkata Rao (III year)
ECE	Mr TP Naidu, Asst.professor	M.Himabindhu (IV year)
H&BS	Mr D venkata Rao, Asst.professor	M.Hari kalian (I YEAR)
MECH	Mr.M Sanyasi Naidu,	M tharu kumar (IV year)
	Asst.professor	
MBA	Mr.G vara Eswara Bhaskar,	R.L.V.Ratnam (II year)
	Asst.professor	

Grievances have been reported during the last four years.

Problem	Action taken
Digital library	Provided
Journal subscription	provided
No Wi-Fi facility	Provided
Ragging at college bus stop. Security required	provided
Additional buses are required	Provided

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

• The Principal constitute a Grievance committee to redress the grievances for all students and staff.

- The grievance cell composed of three people's senior faculty and principal.
- Any staff and students having a grievance, he or she shall make a representation to the committee directly or through the suggestion boxes provided in all the departments and principal's chamber.

• The convener of the grievance committee shall include such grievance as an item of the agenda in the next monthly meeting, unless the seriousness of the grievance warrants a meeting to be commissioned immediately.

List of the committee members:

Principal Dr. C. P. V. N. J. MOHAN RAO is acting as chairman of this committee

Department	Faculty co-ordinator	Student co-ordinator
CSE	Mc V Superthe	B.V.S.S TeJa (IV Year)
CSE	wis. v.Suneetna	K.Anitha (IV Year)
FFF	Mr G Dojosokhor vodov	M.Pavani (IV Year)
	WII.O.Kajasekilai yauav	K.Chalapathi Rao (IV Year)
МЕСЦ	Mrs.V.Suma priya	A.Mrudhula (IV Year)
WILCH		B. Prasad (IV Year)
ECE		Ch. Prasuna (III Year)
LCL	WIS. K.Kalliya	K.Govind (IV Year)
MBA	Mr.K.Santhosh kumar	A.Srividya (II Year)

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 Anti-Ragging committee maintains a strict vigil in the campus, at bus-stops and buses to prevent ragging. No major instances of ragging have been reported in the last four years. A few minor cases detected have been disposed off by the principal by counseling the students and involving the parents.

SI. No.	Name of The Staff Member	Designation	Position	Contact Number
1	Dr. C. P. V. N. J. Mohan Rao	Principal	Chairman	9849147304
2	Mr. R.Prasada Rao	Asso.Professor	Member	9949666990
3	Mr .E.govinda	HOD – ECE,Assoc.Professor	Member	9640189549
4	Mr T.Srinivasa Rao	HOD – EEE,Assoc.Professor	Member	9963000511
5	Mr .G Bala Murali Krishna	HOD – Mech,Assoc.Professor	Member	9951460724
6	Mr P Rajasekhar	HOD – ECE,Assoc.Professor	Member	9848311188
7	Mr Ch Peddi Naidu	Librarian,Asst.professor	Member	9440179035
8	Mr V Sai Prasanth	HOD- MBA,Assoc.Professor	Member	9949614324
9	Mr. A Parayya	Professor,H&BS	Member	9440119323

The following committee has been constituted for the academic year 2015-16

10	Mr.S.Ganesh,	Mech, Asst.professor	Member	9505044972
11	Mr. K.Durga Rao	EEE, Asst.professor	Member	9705270878
12	Mr.U. Anjaiah	EEE, Asst.professor	Member	8187817912
13	Mr. B.Ramesh	Mech, Assoc. Professor	Member	9866921728
14	Mr. J.Kondababu	Asst.Professor,H&BS	Member	9704174474
15	Mr. B.Nandakishore	CSE, Asst.Professor	Member	7799667323

• Class representatives are the coordinators for anti ragging committee. List of the student coordinators:

S.NO	NAME OF THE STUDENT	DEPARTMENT	Contact
1.	B.Sai charan	MECH	9491289864
2.	G. Murali krishna	MECH	7036611769
3.	A.Srinivas	MECH	8897562519
4.	Loka Sai	ECE	9959282931
5.	P.Sai Krishna	ECE	8790250832
6.	M R S. Snehitha	ECE	9014487974
7.	V.Prem kumar	ECE	9573889612
8.	B.V.K Mahesh	ECE	9160936230
9.	Ch.Prasuna	ECE	9063385755
10.	M.Jyothi	ECE	9490217822
11.	Vamsi	ECE	7036613893
12.	B. Naveen Kumar	CSE	9642558072
13.	Y.Ramanamma	ECE	9573044419
14.	B Sivateja	CSE	
15.	K.Prasanth Kumar	CSE	8106489572
16.	K.Dileep Reddy	EEE	9966357385
17.	V.Surya Teja	EEE	9553403507
18.	Vinay Kumar	EEE	7036395207
19.	jyothermai	EEE	9550763793
20.	P.Anil	MECH	9666382337



Problem	Action taken	
• Seniors assigns their own work to juniors (Assignment writing and record works)	• Counseled the senior students by class teacher and H.O.D	
• In hostel seniors asking some students to give treat in the occasion to got seat in this college.	• Formed hostel committee to avoid such type of cases by 10 student coordinators and 4 floor in-charges along with the wardens.	
• Seniors calling to some juniors for	• Solved the problem by assigning the	
ragging purpose in college buses and	bus in-charges for college bus and spies	
APSRTC buses.	in APSRTC buses.	
• In buses and college canteen seniors not offering seats to juniors.	• Formed a Canteen committee to avoid such type of cases by 6 student coordinators and two faculty coordinators along with canteen in-charge.	

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

- Free medical aid on the campus.
- Scholarships to the economically backward students.
- Supporting facilities for getting Educational Loans.
- Comprehensive placement training
- Insurance for students

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 alumni association meets every year in the college campus. The main activities are:

• To arrange interactive sessions with the students of present batch and to provide counseling.

• The alumni help in bringing industries and companies for campus placements and provide employment opportunities to the students.

• As few members of the alumni are entrepreneurs, they play an important role in motivating the students to become entrepreneurs.

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 progression	Academic Year			
Student progression	2014-15	2013-14	2012-13	2011-12
UG to PG	9%	18%	10%	8%
PG to M.Phil.	0	0	0	0
PG to Ph.D.	0	0	0	0
Employed Campus selection	25%	28%	31%	46%
Other than campus recruitment	18%	27%	42%	39%

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.

Course	2014-15	2013-14	2012-13	2011-12
B.Tech(ECE)	73%	73%	76%	76%
B.Tech(EEE)	55%	75%	72%	70%
B.Tech(CSE)	72%	72%	74%	68%
B.Tech(ME)	86%	71%	96%	92%
MBA	pursuing	93%	97%	100%
M.Tech(CSE)		47%	75%	62%
M.Tech(VLSI)		31%	60%	88%
M.Tech(DECS)				
M.Tech(PS)				
M.Tech(PE)		57%		

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

YES

CARRIER GUIDENCE CELL & PLACEMENT COMMITTEE:

In-charge of the committee: T.SrinivasaRao

S.No	Faculty Coordinator	Designation	Student Coordiators	Department
1.	T.Srinivasa Rao (Assoc.Professor)	ТРО		
2.	Sri MV Ramana Murthy	Professor Incharge		EEE
3.	N.V.Ashok umar(Asst.Professor)	CSE	A.Prasanna Krishna M.Uday kumar	CSE
4.	P.Ashok Kumar,(Asst.Professor)	ECE	N.Sireesha Rani M Pulla Rao	ECE
5.	P.Aneel Kumar (Asst.Professor)	EEE	D.Sanjay P.Ravi kumar	EEE
6.	V.HariKiran. (Asst.Professor)	MECH	P.Anil kumar G. murali krishna	MECH
7.	B.Prasanth. (Assoc. Professor)	MBA	T.Sai Krishna L.Laxman kumar	MBA

• A Carrier Guidance Cell is developed with one TPO, one professor In-charge along with 5 teaching faculty coordinators.

• All the coordinators are interacted with the students; based on their interest we can form the groups and making a path for their success according to their own interest.

• In past years the committee has been conducted GATE classes and Mock tests with the help of GATE FORUM & GATE WAY learning institutions.

• The committee has been conducted CRT classes with the help of JKC and Inter institutional faculty.

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

• Identified the slow learners and conducted remedial classes.

• Remedial classes are made part of the regular time-table for the analytical subjects in UG programmes wherever there is scope.

• The main thrust of the remedial classes is close interaction of students with faculty, where the students get their individuals doubts are clarified.

• Special classes after regular college hours are conducted in those subjects where some students are not able to cope with.

• Separate counseling is made to build the confidence in them and to concentrate on studies.

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.

S.No	Name of the Stude	nt	Name of the	Name of the		
		Ward/Prize	University/Institution			
2015-16						
1	D.Teja III MECH	Published his project named				
		Retardation	Of Jet Planes On			
		War Ships	in SS International			
		Journals III	2013	MANIT BHOPAI		
		scientist co	metition at	MANIT BIIOTAL		
		MANIT BI	HOPAL and the			
		only projec	t selected from			
		Andhra Pra	desh and had			
		became a n	nember of HEAM			
		in DEC 202	15			
		First prize(PPT)	Umang.Engg college .		
		First prize(PPT)	VITS Engg		
			~ <i></i>	college.Visakhapatnam		
1		20	014-15	D'		
1	T.Samatha	First prize(essay writing)	District wise Jaiho mahila		
				AKD visekbenetnem		
2	D Teia III MECH	First prize(PPT)	Gavatri eng		
2	D Teja III WILCII		111)	college visakhapatnam		
	D Teia III MECH	Best paper	Award	KL university March		
	j			2015.		
2	S.H Maithili	Third prize(debate)		District wise Jaiho mahila		
				compitations in		
				AKP,visakhapatnam		
3	K.Ajay	First prize	Robotics)	NIT Warangal		
	Y.Raju					
	M.Kartnik					
1	P Anil Kumor	Second priz	(DDT)	NIT Warangal		
-	P Chatanya Prabhu			1411 Warangar		
5	R.Jevan	Second priz	ze(PPT)	NIT Warangal		
	P.Raj Kumar					
6	Saroj kumar	First (PPT)		AIET, Tagarapuvalasa		
	Bishwas kumar					
2013-14				-		
1	Saroj kumar	Second priz	ze(PPT	Miracle college,		
	Bishwas kumar			Vizianagaram		
2	Saroj kumar	Second prize(PPT		Chaitanya college,		
	Bishwas kumar			V 1sakhapatnam		
1	V Conthoch	20 Einst min-6	U12-13	Cao University Cao		
1	r Sanunosn GVS Teigowi	First prize(rr1)	Goa University, Goa		
1	UND IGASWI	1				

Institute encourages the students to participate in various competitions:
	Manikanta		
	Guna Sekhar		
2	Ch Shanmukh	Second prize(Tug of war)	Vignan Engg College,
			Visakhapatnam
3	Ch Shanmukh	Second prize(Tug of war)	Visakha Engg College,
			Visakhspatnam
4	P.Geetha Praveen	Second prize(PPT)	Avanhi
	G. Manoj Kumar		Group,visakhapatnam

The college has a large play grounds for games like cricket, football, basket ball, volley ball etc., with all modern facilities. A qualified Physical Director Mr.T.Balaji with M.P.Ed qualification is available along with adequate supporting staff.

Sports facilities available in the college

S.NO	LIST OF SPORTS	NO.OF COURTS						
	Outdoor Facilities							
1	Cricket Ground	01						
2	Cricket Net Practice Pitch	01						
3	Foot Ball ground	01						
4	Basket Ball court	01						
5	Volley ball court	02						
6	Shuttle Badminton court	04						
7	Kho-Kho	01						
Indoor Facilities								
1	Chess	06						
2	Caroms	03						

ACADEMIC CALENDER FOR SPORTS IN 2014-15:

Sl.	Name of the	Date of	Venue of Selections & Details	Dates of
No	Event	Selections	of the Organizing Secretaries	Tournament
1.	Events for	5 th	Avanthi institute of	7^{th} 14 th
	Engineer's	$S_{00} = 2014$	Engineering and Technology,	7 - 14
	Day	Sep,2014	Makavarapalem	Sep,2014

2.	Gymnastics	29 th Nov,	University College of	LNIPE,
	(M & W)	2014	Engineering (Autonomous)	Gwalior
			Kakinada, Kakinada	
			Sri. G. Syam Kumar,	15-12-14 to
			Asst. Prof in Physical	19-12-14
			Education,	
			Ph. No: 77025 94555	
3.	Kabaddi (M)	$29^{th} - 30^{th}$	University College of	VELS
		Nov, 2014	Engineering (Autonomous)	University,
			Kakinada,	Chennai
			Kakinada	
			Sri. G. Syam Kumar,	20-12-14 to
			Asst. Prof in Physical	30-12-14
			Education,	
			Ph. No: 77025 94555	
4.	Ball	30 th Nov,	Sri Vasavi Institute of Engg &	SRM
	Badminton	2014	Tech, Nandamuru, Krishna	University,
	(Men)		Dist	Chennai, T.N.
			M. Chenna Kesava	
			Assist. Prof in Physical	20-12-14 to
			Education	24-12-14
			Ph. No: 94903 99310	
5.	Ball	1 st Dec,	Sri Vasavi Institute of Engg &	B.S. Abdur
	Badminton	2014	Tech, Nandamuru , Krishna	Rahman
	(Women)		Dist	University,
			M. Chenna Kesava	Chennai
			Assist. Prof in Physical	26-12-14 to
			Education	30-12-14
			Ph. No: 94903 99310	
6.	Weight lifting,	$3^{rd} - 4^{th}$	Chirala Engineeing College,	PTU, Jalandhar
	Power lifting	Dec, 2014	Chirala	
	(M & W) &		Sri. K. Srinivasa Rao	22-12-14 to
	Best Physique		Asst. Prof in Physical	28-12-14
	(M)		Education,	
		.th _	Ph. No: 99124 640 77	
7.	Boxing (M &	4 th Dec,	RK College of Engineering,	Lovely
	W)	2014	Kethanakonda, Krishan Dist	Professional
			P. Ravi Kumar	Unviersity,
			Assist. Prof in Physical	Punjab
			Education	3-02-15 to 10-
			Ph. No: 73820 78149	02-15 (Men)
				28-01-15 to 01-
				02-13
0	Dealerstin II	5 th D	Usha Dama Callere of Error	(women)
δ.	Basketball	5 Dec,	Usna Kama College of Engg. &	
		2014	Lecn., Leiaproiu, Krishna Dist	University,
			r. Abel Kumar	C_{1} Chennal
			Assist. Prof in Physical	US-UI-15 to
			Education	10-01-15

			Ph. No: 93475 34682	
9.	Air Rifle	6 th Dec,	VR Siddhartha Engg. Coll.,	Punjabi
	Shooting (M	2014	Vijayawada, Krishna Dist	University,
	& W)		Y.V.R. Krishna Prasad	Patiala
			Assist. Prof in Physical	
			Education	02-01-15 to
			Ph.No: 98495 77492	06-01-15
10.	Hockey (M)	7 th Dec,	RK College of Engineering,	Anna
		2014	Kethanakonda, Krishna Dist	University,
			P. Ravi Kumar	Chennai
			Assist. Prof in Physical	
			Education	
		41.	Ph. No: 73820 78149	
11.	Yoga (M &	8 th Dec,	Sri Vasavi Engg. Coll.,	SRM
	W)	2014	Tadepalligudem	University,
			B. Ram Gopal	Chennai
			Assist. Prof in Physical	
			Education	10-02-15 to
10		oth p	Ph. No: 94402 12188	13-02-15
12.	Badminton	9 th Dec,	University College of	Bharathiar
	(M & W)	2014	Engineering (Autonomous)	University,
			Kakinada,	Combatore
			Kakinada	26 12 14
			Sri. G. Syam Kumar,	20-12-14 to
			Asst. Prof in Physical	29-12-14
			Ph. No: 77025 04555	
13	Vollovball	10 th Doc	Liniversity College of	University of
15.	(W)	10 Dec, 2014	Engineering Vizianagaram	Madras
	(**)	2014	Dr GP Rain	Chennai
			Assist Prof in Physical	Chemia
			Education	
			Ph. No: 98497 77784	
14.	Tennis (M &	14 th Dec,	Raghu Engineering College,	Saveetha
	W)	2014	Visakhapatnam	University,
			-	Chennai
			G.Ch. Suryanarayana Raju	
			Asst. Prof in Physical	5-01-15 to
			Education,	08-01-15 (W)
			Ph. No: 94406 49945	
15.	Kho-Kho(Men	8 th & 9 th of	JNTUHCEH Inter Collegiate	JNTUH College
	&Women)	April 2015		of Engineering.
			Central Zone Tournament	Kukatnally
				Luderabed
				,nyuerabad.
	1			

16.	Ball Badminton(me n)&chess(men &women)	JNTUH College of Engineering Sultanpur,sangareddy,medak(d ist)	6 th & 7 th April 2015
17.	Shuttle Badminton (M & W) Table tennis	JNTU Jone a inter collegiate meet at VNRVJIT	8 [™] MARCH 2015
18.	Throw ball Basket ball Volley ball	JNTU Jone a inter collegiate meet at HITAM	10 th &11 th March 2015

Intercollegiate / Inter-Engineering Tournament arranged No. of Students of the college represented in State/University team

Academic Year	No. of students represented
2015-16	05
2014-15	21
2015-16	25

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.

SPORTS & GAMES ACHIEVEMENTS 2015 - 2016

S.NO	Name	Class	Represented in
1	Mr Murali	III Mech	Made her debut through Selection for JN T U, Kakinada, South Zone Inter University Sports Meet Aug 2015 in Boxing meat at Vijayawada to be held at University of Haryana, Punjab.

SPORTS & GAMES ACHIEVEMENTS 2014 - 2015

S.NO Name	Class	Represented in
-----------	-------	----------------

1.	Mr Vamsi Mr sunny Mr Praveen Mr praveen	II Mech	The team represented in JNTUK Athletics meat 4*100m relay run and one bronze medal
2	Mr Murali	II Mech	He is represented in JNTUK Athletics meat 5Km Run and one silver medal
3	Mr Charan	II Mech	He is represented in JNTUK Athletics meat 100mts Run and one silver medal
4	Ms sukanya	I CSE	She is represented in JNTUK Athletics meat shot put .
5	Ms Sambhavi Ms Sukanya Ms Ramya Ms Bhagya	I CSE I CSE III ECE IICSE	The team represented in JNTUK Athletics meat 4*100m relay run
6	Ms prasanna Tulasi	I ECE	She is represented in JNTUK Athletics meat 1500mts&800mts

SPORTS & GAMES ACHIEVEMENTS 2013 - 2014

S.NO	Student Name	Class	Represented in
1	K.Jaya swathi	IVECE	Won 400m run silver medal&
			800run bronzmedal,4*400m relay run
			bronze medal
2	B,Sridevi	IVCSE	High jump-bronze medal ,1500run-
			bronzemedal,4*400relay run-bronze medal
3	N.Sravani	IVCSE	4*400relay run-bronzemedal
4	G.Divya Kumari	IVCSE	4*400relay run-bronzemedal
5	P.Ramya	IVECE	100m run- bronzmedal,
6	R.Sravani	III MECH	1500m run-Silver medal
7	S.SnayasiNaidu	III MECH	1500m run-Silver medal,800m run –
			Bronzemedal,4*400m realy run-gold
			medal
8	N.VenuGopalswamy	IVECE	400m relay run-gold medal,
			He is represented as JNTUK kho-kho team
9	K.Rajesh Kumar	IVEEE	800m run-silvermedal,4*400nm realay
			run-gold medal
10	S.Charan kumar	IIMECH	4*100m realy run bronze medal
11	MD.Askhpak ali	IIIMECH	4*100m realy run bronze medal
12	D.Narendara	IIIMECH	4*100m realy run bronze medal
13	M.Praveen kumar	IIMECH	4*100m realy run bronze medal
14	B.VamsiKrishna	IMECH	4*100m realy run-bronze medal, he is
			represented as JNTUK Athlentics team, He
			is participated All-India inter university
			Athletics meet at Punjab
			university, patilala, Punjab state
15	S.Ramesh(captain)	IIIEEE	Our college team secured volley ball
			winners at JNTUK, Inter collegiate
			games(MEN)tournament 2013-14 was

		organized by GMRIT, Rajam.
SPORTS & GAMES A	CHIEVEMEN	TS2012-2013

S.No	Name	Class	Represented in
1			Represented Open National Level Wado
			Karate Championship 2012 April. He won
	Mr.D.Dattatreya	Iyr MBA	National Bronze Medal 60 Kgs Sparing
			Section at Hyderabad.
2	Mr. K. Johnson		Made him debut through selection for
	Varghese		JNTUniversity, Kakinada, Inter University
		III Yr	Sports Meet 2012 -13 December in Basket
		B.Tech(IT)	Ball game held at NTR Health University of
			Sciences, Vijayawada
3			Represented Open Kenurey Nation Karate
	Mr. D. Dattatreya		Championship, Nov, 2012 National Gold
		IIyrMBA	Medal 55 kgs sparing section at Kerala.
4			Made her debut through Selection for J N T
	Ms. K. Jaya Swathi		U, Kakinada, South Zone Inter University
		III Yr	Sports Meet December, 2012 in Kho-Kho
		B.Tech(ECE)	game to be held at University of Calicut
			Malapuram, Kerala.
5	Mr. D. Rama Raju		Represented made him debut through
		IV Yr	Selection for J N T U, Kakinada, All India
		B.Tech(CSE)	Inter University Athletics, tournaments,
			January, 2012 held at University of Kalyani,
			Kalyani, West Bengal.

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 institute has a clearly set and defined mechanism of obtaining the feedback from the students and stake holders to improve the performance and quality of the institutional provisions. Following feedbacks are taken so as to assess attainment of Program Objectives and Program Education Objectives.

• Introducing Wi-Fi, Add on programs in curriculum conducting extra lab hours in academic calendar and proposed to buy new reference books and journals in library based on analysis of Semester End feedback from the students in curriculum

• From analyzed feedback of exit students conducted Extra classes for soft skills and coaching is given for competitive exams to get jobs as well as higher education.

• Facilitate advanced equipment in labs, Industry institution interaction facilities and extra guidance are provided based on the analysis of Alumni feedback

• Introduced group insurance, intercom facilities, e-cap software for maintaining academic works and enhancement leave provisions are provided based on Employers and parents feedback

• Increasing infrastructure in the campus, maintenance improvement of hygienic canteen and hostel accommodation, SMS alerts for absent students and college holidays are provided based on Parents feedback

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.

S.No	Name of the Staff	Designation	Department
1	Dr. C. P. V. N. J. MOHAN RAO	Principal	Chairman
2	D Naveen Kumar	Physical Director	Member
3	J Maheswara Rao	Physical Director	Member
4	M Kedareeswaa Rao	Asst. Professor	E.C.E
5	M V S N Murthy	Asst. Professor	C.S.E
6	V Durga Ganesh	Asst. Professor	C.S.E
7	G Tataji	Asst. Professor	C.S.E
8	J Dileep Kumar	Asst. Professor	EEE
9	G Krishna	Asst. Professor	
10	J Konda Babu	Asst. Professor	S&H

• In charge of the committee: A.parayya List of committee members:

STUDENT CO-ORDINATORS:

S.NO	Co-ordinator	Department	
1	P. Diwakar	ECE	
2	B N Susmitha		
3	D.Sanjay	- EEE	
4	G.Jyothirmai		
5	J.Hari Krishna	CSE	
6	B.Sunandha		
7	P.Anil kumar	Mech	
8	p. chaithanya prabhu		

Academic Year	Total No.of publications
2015-16	25
2014-15	13

2013-14	20
---------	----

- College News letter every semester named "AVANTHI SRAVANTHI"
- College Magazine is initiated to be released from this academic year.
- Departmental News letter every bi-month Named

EEE - AAVE ECE - PHRONOSIS CSE - NEWS HUNT MECH- PINNACLE



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 college have a student council.

Selection of Student Council:

The topper, an average student and a academically weak student of each section are nominated as a class representatives who has more integrity with other students, for all the sections from First year to final year. Regular meetings are conducted by the heads of the departments to review the problems faced by the students.

Activities:

• Took active part in academic and technical activities for smooth functioning of the college.

- Organization of Add on Courses & Guest lecturers
- Workshops/seminars by Career guidance, training placement & various professional body activities can be done with the help of student council.
- Anti ragging & Social responsibility activities (NSS)

Funding: For cultural and technical activities college provides the funding depending upon the anticipated expenditure.

S.no	STUDENT CO ORDINATOR	DEPARTMENT
1	P Hima Bindu	ECE
2	B Ranjith Kumar	ECE
3	M Vinay Kumar	CSE
4	Ch Pavani	CSE
5	T Sai Ram	EEE
6	A Naga Babu	EEE
7	Shahbaaz khan	MECH
8	Ch. Tarun Kumar	MECH
9	B.Teja	H&BS
10	.G.Harish	H&BS
11	L Sravani	MBA
12	Subba Rao	MBA

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

Various committees are constituted with a senior faculty as Chairman to monitor the maintenance of academic infrastructure and facilities.

- Class Representatives
- Canteen Committee
- Hostel Committee
- Anti Ragging Committee
- Library committee
- Student Grievance cell
- Women's Grievance cell
- Career Guidance cell
- Entrepreneurship cell
- Training and Placement cell
- R&D Cell
- College Newsletter/Magazine Committee
- Medical and First Aid facilities
- Telecom
- Internet facilities
- Electrical Maintenance
- Work shop (IT & MECH)
- NSS
- Self learning facilities
- SC/ST welfare committee
- Fire & Safety committee
- Transport committee
- Water committee
- Sports committee
- Cultural Council
- Literacy Club
- ISTE Student Chapter

- IETE Student Chapter
- IEEE Student Chapter
- Departmental Societies / Associations

Chairman of various committees are empowered to take remedial steps for smooth functioning of the institution.

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

- Alumni committee has been formed with 9 alumni Student coordinators.
- In-charge of the committee Mr.N.V.Ashok Kumar

• List of the alumni committee

Name of the coordinator	Position
Mr.N.V.Ashok kumar	President
Mr P.Anil kumar	Joint-secretary
Ms Ch.V.Sridevi	Treasure
Mr Rahul	member
Ms S.Anusha	member
Ms V.K.Vardhini	member
Mr G.Rambabu	member
Ms K.Mounika	member
Mr V.Kumar	member
Mr Manoj kumar	member

- A Web page is provided for the details updation for alumni in our college website, and a group mail is created for alumni students.
- The formed Alumni body create a group mail of all the outgoing student and giving their ideas and opportunities for upcoming students
- Staff and the Heads of the Departments will maintain rapport with the Alumni
- Active alumnae come and address 3rd and 4th year students towards career development programmes.
- The former faculty of the institution is invited for annual day, traditional day, workshops of the relevant departments.
- Institution is providing industrial interaction to the student by visiting directly to the industries and for doing projects externally.
- To empower the technical knowledge in practical we are conducting add on courses by the industrial experts

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:

 \circ To develop highly skilled professionals with ethics and human values

MISSION:

- To produce competent and highly motivated engineers and management professionals
- To encourage innovation and instill ethical practices
- To impart quality education with industrial exposure and professional training
- To exhort the spirit of professional beyond academic excellence

Unique Characteristics of the college

The College is located at Tamaram, Makavarapalem Mandal, Visakhapatnam District. It is 60 KM from Visakhapatnam. Most of the students seeking education in this college are from rural areas. The Mission statement prepared by the institution is more realistic and can be achievable. Distinctiveness of the college which helps the institution to achieve the mission is as follows:

- i) College is student centric which helps to understand how best the college can impart quality teaching and learning among the students.
- ii) Students are educated in their skill sets that are require for the present day employees to meet the challenges of the industry.
- iii) College provides traditional and e-learning opportunities for the students and faculty.
- iv) Student centric activities are given top most priority to improve their learning skills and comprehensive abilities.
- v) Providing good quality of learning facilities with better infrastructure.
- vi) Attention is paid to students to improve their communication skills by inspiring them to participate in various workshops.
- vii) Special focus on improvement of performance through systematic monitoring and upgrading all aspects of student-centric, teaching learning process.
- viii) Information about students attendance, performance is provided to the parents through class in-charge and necessary counseling is taken for the weak/non performing students.

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

The strength of the institution is its highly supportive and participative management. The management is dedicated and highly committed for decentralization of academic and administrative activities.

- Governing Body, the policy making entity of the Institute, meets twice/thrice in an academic year and approves/ratifies the proposals/decision submitted/taken by the Member Secretary. The Governing Body also reviews the performance of the institutional activities done during the past. The budget for the current academic year also is deliberated and finalized.
- The Principal is the academic and administrative Head of the institution.
- Principal and Head of the Departments collectively design a calendar of activities and the same is monitored and implemented by various committees in which the students and faculty are the members.
- Both the Head and the faculty implement the plans and policies of the institution to achieve effective outcome.
 - The top management approves the decision from the inputs from the student representatives, lab technicians, class incharges & HOD's
 - The budget plans are made by governing body through various vendors' statements & comparisons statements are allocated.

The governing body of the college is the final decision making authority. The following are members of governing body.

S.No	Name of the member	Designation/ Role	Remarks
1	Sri M. Srinivasa Rao M.P	Chairman	Well Known Social leader, Experienced educationist, Sitting Member of Parliament, Anakapalli Constituency
2	Smt. M. Gnaneswari	Member	A reputed social worker, woman activist for redressal of woman grievances and Vice Chairman of Avanthi Group of Colleges
3	Smt. M .Nageswaramma	Member	An Agriculturist, Education promoter and Philanthropist
4	Sri N. Sai Ram	Member	Social Worker and Educationist
5	Dr.M. Priyanka	Member	Educationist, Youth Representative, and Medical Practitioner
6	I Sravan Kumar	Member	Social worker and Educationist

7	Regional Officer South Central Region, AICTE	Ex-Officeo Member	Official Member for scrutiny of proceedings
8	Dr. B Prabhakara Rao Professor in ECE Dept., UCEK, JNTUK, Kakinada	Ex-Officeo Member	Official Nominee Member for directions and auditing of decisions
9	Prof. Chandu Subba Rao Retd.Professor, Department of Physics. Andhra University, Visakhapatnam	Member	A well known experienced educationist, held various administrative posts in Andhra University, Waltair, Great Poet and human being
10	Dr.Ch.Diwakar Principal, ARTB, Bhogapuram.	Member	Senior Academician
11	Prof. S V J Swamy Department of Chemistry, Avanthi Institute of Engineering and Technology Makavarapalem.	Member	Experienced faculty member of this college, holds good understanding of student psychology, represents student grievances
12	Dr. C P V N J Mohan Rao	Member Secretary	Principal
13	Request has been made	Member	

Quality Policy:

Dedicated to impart quality education and training leading to degree in "Engineering and Management" and aims at being a worldwide institution through constant improvement of its educational ability and competence of the quality management system. The quality policy is communicated and understood by top management, teaching and non teaching staff within the institute and is reviewed for long-lasting appropriativeness.

Quality Objective:

Conformity to the regulatory requirements of AICTE, UGC, JNTUK, Govt. of Andhra Pradesh.

- Improving teaching facilities through addition of new teaching methods and equipment.
- Encouraging the faculty to improve their knowledge by upgrading the academic qualification, interaction with industry through seminars, educational tours, visits, etc.
- To measure student satisfaction level periodically through student feedback reports, student placements through campus interviews and overall success in university examinations.
- Monitoring quality management system to make sure earliest remedial action in the event of any non-conformity. The management is committed to these quality objectives and also ensures that they are known, understood and implemented by all the members of the institute.
- 6.1.3 What is the involvement of the leadership in ensuring?
- The policy statements and action plans for fulfillment of the stated mission
- formulation of action plans for all operations and incorporation of the same into the institutional strategic plan
- Interaction with stakeholders
- Proper support for policy and planning through need analysis ,research inputs and consultations with the stakeholders
- Reinforcing the culture of excellence
- Champion organizational change_

The management of the College initiates the faculty to plan various activities in the day to day functioning of the college to achieve the goals & objectives of the college. The principal will coordinate all these activities with the help of heads of the departments. The faculty members have to take active participation in implementing various quality improvement plans and programmes. The policy statements and action plans are formulated after careful consideration of all by the management. The management takes the inputs from the stake holders to satisfy the need of industries, society etc.

The principal follows strategic plan and ensures that every teaching and non teaching staff have active involvement in the development of students.

The stake holders are

Students:

- Students feedback is considered to introduce innovative teaching and learning methodologies.
- Students input will help to introduce the elective courses to meet current trends.

Alumni:

• Alumni are the focus group because their success is a measure of the long-term success of our program.

• Alumni feedback helps in curriculum design to meet recent trends in engineering.

Industry:

- Industry feedback is necessary to meet the gaps between program and industry.
- Students are trained for not only technical roles but also for leadership.
- Industries conduct workshops to create awareness on emerging technologies among the students.

Faculty:

- Faculty members involve in various committees to ensure the smooth running and consistency of the program.
- Faculty members provide inputs for designing the program, PEOs/POs establishment, course objectives and assessment.

Management:

• Management maintains coordination among all the stake holders of the institute.

Parents:

• Expect their wards to settle in good professional career and pursue higher education.

College academic committee conducts a meeting and frames the Quality policy, vision and mission statements. The Internal Quality Assurance Committee members of the programme frame the Program Educational Objectives (PEOs) and Programme Outcomes (POs). After that entire faculty defines the Course Outcomes (COs). Later these Course outcomes are mapped to POs and PEOs and the alignment with the vision and mission statements is verified.

From the feedbacks the stakeholders gives inputs and the same are been analysed to know the need base training/research required.

Internal stakeholders are exposed to world class information through our digital library, expert lectures, FDP, Working models done in the laboratory, projects etc.

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?

Avanthi Institute of Technology and Engineering is committed to achieve global standards and excellence in teaching, research and consultancy by creating conducive environment in the fields of technological and managerial studies with professionalism and global outlook ensuring continuous improvement.

College is committed to continuous improvement and evolving modified strategies for the betterment of quality. The decisions taken by the appropriate regulatory bodies of the institution (Governing Body and College Advisary Committee) will be closely monitored by the respective committee for the implementation of decisions, noticing the challenges during implementation and suggesting suitable alterative actions. The appropriate committee will gauge the impact of the decisions and evaluates the effectiveness and devises plans and mechanisms for improvement from time to time. The respective dean with the coordinator concerned and committee takes up the task of monitoring and make submissions to the College Action Committee.

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.

IQAC will conduct meeting before the commencement of academic year

Internal committees -

5 in 2012-13, 12 in 2013-14, 18 in 2014-15, 24 in 2015-16.

S.No	Name of the Committee	Outcome
1	Building and Hygiene Committee	Satisfactory
1	Sports Committee	Satisfactory
2	Cultural Committee	Satisfactory
3	Carrier Guidance and Placement Cell	Satisfactory
4	News Letter Committee	Satisfactory
5	Grievance Rederessal	Satisfactory
6	Women Grievance Rederessal	Satisfactory
7	SC/ST Grievance Rederessal	Satisfactory
8	Anti-Ragging Committee	Satisfactory
9	Sexual Harassment Committee	Satisfactory
10	College News Letter	Satisfactory
11	Sports Committee	Satisfactory
12	Transport Maintenance committee	Satisfactory
13	Electrical Maintenance Committee	Satisfactory
14	Equipment Maintenance Committee	Satisfactory
15	Internet Maintenance Committee	Satisfactory
16	Library Maintenance Committee	Satisfactory
17	Hostel Maintenance Committee	Satisfactory
18	Canteen Maintenance Committee	Satisfactory

19	Water Maintenance Committee	Satisfactory
20	R & D Committee	Satisfactory
21	Fire and Safety Committee	Satisfactory
22	Alumni Committee	Satisfactory
23	Internet Maintenance Committee	Satisfactory
24	NSS Committe	Satisfactory
25	IQAC	Satisfactory

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

Top management and principal encourage the faculty in academic leadership by involving them in various activities/committees. The following are the people involved in the departments to monitor and enhance the standards.

- 1. HOD
- 2. Class in-charges
- 3. Lab in-charges
- 4. Project Coordinators
- 5. Industrial Visit Coordinators
- 6. Mentors/Counselors

Heads of the Departments are in-charge of executing the policies with little variation depending upon the quality of students and number of staff available in each department. Most of the staff are nominated to be the members of institutional committees like Transport committee, cultural committee, canteen committee, library committee, training and placement committee, etc., so that they can put forth their innovative ideas to achieve better results. Management and the Head of the Institution ensure that every staff member has a clearly defined role with specific duties and responsibilities. Under the leadership of the Principal, chairpersons of various committees & course co-coordinators are engaged in assigning, delegating, co-coordinating and communicating responsibilities to the staff members as per the established system. The responsibilities assigned to the teachers are conveyed to them in the periodical meetings/ reviews and by issuing personal letters to them.

6.1.6 How does the college groom leadership at various levels?

The Principal involve all the staff members in all the activities of the college, by taking suggestions from the faculty and assigning them different tasks to complete.

- Senior staff members will be the coordinator of various committees and are given full autonomy in decision making.
- Assigning individual task to the faculty such as a role of examination Incharge, academic coordinator, etc. with which respective faculty will execute and improve their leadership qualities.
- Individual roles will be assigned to faculties at the time of conferences, symposiums, college events, workshops etc.

- Lab in charges will monitor the equipment and its conditions and will decide to place an order for new equipment/machinery in consultation with respective HOD.
- Faculty will also be given a role of project coordinator to monitor and guide the project work assigned to the group of students.
- Class teachers will be appointed as class in-charges on a periodical basis that will represent the class on various issues, problems.

This way the college grooms leadership skills among human resources at different levels.

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

The college grooms leadership at various levels as follows:

- For the effective implementation of the policies and plans, various committees are formed. For all the committees a coordinator and members are appointed from the faculty itself.
- These committees are given autonomy to work in their respective areas under the overall supervision of the Principal and within the set of policies and plans of the institution. This creates participative management, enhances decision making ability, gives recognition and brings about leadership qualities.
- Faculty members are made in-charges of various activities like NSS, Sports and Games, Cultural activities, etc. This will help the faculty members in developing management skills, coordination and cooperation, creates responsibility with accountability.

S.NO	NAME OF COMMITTEE	NAME OF THE COORDINATOR
1	Carrier Guidance and Placement Cell	T Srinivasa Rao, HOD-EEE
2	Sports Committee	P Gurunath-Physical Director
3	Cultural Committee	K Shiva-Physical Director
4	News Letter Committee	A Perayya, Assoc Professor, H&S
5	Grievance Rederessal	M V Ramana Murthy, Assoc Prof.EEE
6	Women Grievance Rederessal	V Suneetha, Assoc. Prof. CSE
7	SC/ST Grievance Rederessal	N Swaroop, Asst. Prof., CSE
8	Anti-Ragging Committee	Dr.C.P.V.N.J.Mohan Rao, Principal
9	Sexual Harassment Committee	V.Suneetha, Assoc. Prof. CSE
10	College News Letter	Dr.C.P.V.N.J.Mohan Rao, Principal
11	Building and Hygiene Committee	M V Ramana Murthy, Assoc Prof, EEE
12	Transport Maintenance committee	V Sai Prasanth, Assoc.Prof, MBA
13	Electrical Maintenance Committee	P.Rajasekhar Yadav, Asst.Prof.,EEE
14	Equipment Maintenance Committee	N Prakash Kumar, Assoc.Prof., MECH
15	Internet Maintenance Committee	V.S.Ram Prasad, Asst.Prof., CSE
16	Library Maintenance Committee	D.Lakshmi Narayana, Asst. Prof., ECE
17	Hostel Maintenance Committee	N Bhavani Sankar, Asst.Prof., Mech Engg

Details of Various committees with Coordinators:

18	Canteen Maintenance Committee	R. Aneel Kumar, Asst. Prof., ECE
19	Water Maintenance Committee	P.V.S.Prabhakar, Asst.Prof., CSE
20	R & D Committee	Dr. Ch Srinivas, Professor, ECE
21	Fire and Safety Committee	D K A S Prasad, Assoc. Professor, EEE
22	Alumni Committee	N V Ashok Kumar, Asst. professor, CSE
23	Internet Maintenance Committee	V S Ram Prasad, Asst. professor, CSE
24	NSS Committe	P Rajasekhar, Asst. professor, H& S
25	IQAC Committe	Dr. Ch Srinivas, Professor, ECE

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

Yes, college promotes a culture of participative management through the following three levels

- At the classroom level: a committee which consists of a regular faculty and a faculty not concerned to the class and the active or bright students or student representatives. The lecturer in charge takes opinions of the students. They will be analyzed and give suitable recommendations to principal/HOD to take necessary decision.
- ii) At Departmental level: Departmental academic council, Departmental advisory committee and Department developmental committee perform their duties, the resolutions/feedback analysis made by them are brought to the notice of the IQAC and Principal so as to take the necessary action/ decisions.
- iii) At Institution level: IQAC, Academic council, administration committee functions for better function of college the levels of participative management in the college. The detailed schematic diagram is as shown below.



Development and Deployment

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

"Avanthi Institute of Engineering and Technology is committed to impart quality education to meet the growing needs of their students on a continual contact basis. In doing so, we shall protect the interest of our students to prepare them to face the growing challenges and in turn serve the nation and society."

The purpose was to create quality professionals (QP) in engineering and management education in order to meet industrial and social needs.

The QP is deployed by various means such as

- a) Providing awareness about the policy to all newly inducted faculty members and
- b) Prominently displaying on the walls of all offices, hostels and labs of the College.

The QP of the College is driven by making specific mention in all the meetings like orientation programme, cultural festivals, expert lectures, personal communications, etc.

The QP is reviewed periodically during the quality audit as well as outcomes emanating from deliberations/ discussions by senior faculty members and thinkers from time to time. It is open for all stakeholders to put up their opinion/suggestions for improvement of the QP. The information gathered from the students, parents and various committees on teaching–learning process, observing the industrial needs, factors needed for fulfilling the societal needs, etc. are also considered while reviewing the QP.

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 has a prospective plan for development. The perspective institutional plan is developed by the Principal by consulting members of the management, Viceprincipal and heads of various departments. The academic committee comprising the Principal, and heads of the department meets twice during each academic year. On the basis of the academic schedule, the Principal in charge of the academic committee prepares academic calendar for the academic year. This calendar includes a list of programmes and activities to be conducted. It is prepared in consultation with faculty and administrators; hence they are automatically involved in

planning process. These plans are improved regularly to ensure the development of the institution.

The Institution has its own plan for growth and development. The visionary management is having a prospective plan to take it into higher levels by bringing it an autonomous status followed by Deemed university status.

6.2.3 Describe the internal organizational structure and decision making processes.

Principal and Vice Principal

The Principal and Vice Principal are involved in the implementation of the various plans of the college. They ensure that regular day to day operations are properly conducted, through feedback from conveners, teaching and nonteaching staff.

Heads of Departments

The Heads of Departments ensure that the plans communicated to them by the principal are implemented systematically.

Committees for co-curricular and extra-curricular activities

The committees are formed at the beginning of the year and are assigned the tasks according to the institutional plans, for the co- curricular and extracurricular activities that enhance overall development of the students. For the smooth conduct of all administrative activities according to requirements of academic bodies, there are committees headed by senior faculty to guide the function.



Decision making Process: Policy matters are decided in the governing body. Any requirements like equipment, text books, journals, furniture, personnel, etc. are proposed by the staff- in-charges of each department. All the requirements are discussed at the departmental staff meetings

Departments and the Principal will analyze the proposals based on the approved budgets of each department and they are procured by calling the quotations and making negotiations (instead of lowest quotation, importance is given to better quality, durability along with service facility). Student representatives of each department will represent their requirements to the Head of the Department concerned who inturn will discuss with the Principal and fulfill the requirements.

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

Teaching & Learning Research & Development Human resource management Industry interaction

Teaching & Learning:

- The requirement of staff is assessed as per AICTE norms and staff is appointed through the staff selection committee.
- > The staff members are exposed to Faculty Development Programmes.
- Staff members are guided to prepare the teaching notes and teaching methodology by Heads of the Departments and other senior faculty.
- > All the teachers are exposed to use of LCD/DLPs.
- Students are motivated to be more regular to the class work and prepare subject wise notes.
- Students are imparted hands on training through laboratory experiments and industrial visits / training / tours.
- Knowledge gained by the students is assessed through periodical class tests, objective tests, mid examinations and laboratory tests, etc. Based on the assessment, the needy students are provided with additional teaching classes / bridge courses / laboratory classes, etc.

Research & Development:

- Number of faculty is registered as research scholars and there by considerable number of research papers being published.
- M.Tech students are groomed to produce technical papers and contribute for research activities.
- MBA students are encouraged for Internship in industries for practical exposure.
- > Research proposals are submitted to AICTE for funding purpose.
- Advanced equipment is arranged in laboratories and take up R & D activity.

Human resource management:

- > Transparent policy and scientific way of selections.
- Imparting related training.
- Formulation and communication of policies of the college. Support for academic advancement.
- Systematic performance appraisal system and guidance to the people concerned.
- Systematic promotion policies.
- > Democratic way of administration with participative management.

Industry interaction:

- Learn from the Leader programs.
- Infosys Campus Connect.
- ➢ Industrial visits.
- Lectures/Talks by industry experts.

Community engagement:

Staff and students actively participate in community services such as

- ➢ NSS programs
- Blood donation camps
- > AIDS awareness programs
- > Other service activity proposed by State and Central Government.

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

The head of Institution takes required information (students /parents/staff) feedback to review the activities of the institution through

- Feedback from students in regular interval
- Suggestions from parents
- Daily Progress Report
- Any deficiencies and/or suggestions in the improvement of activities of the committees are updated.
- Alumni association recommendations
- Students performance and attendance review
- The Principal has a format for keeping track of all the activities taking place each day. These are to be read in consonance to the academic and event calendars.
- Principal to the management: The Principal takes up all the matters on regular basis with the management through Governing Body related to feedbacks from all stakeholders including students, parents, faculty members, non teaching staff, govt., civil administration, industries, affiliating university, professional bodies, etc. and discusses with the persons concerned as well as takes up with the management wherever deemed necessary. Most of the communication takes place through Principal's office. Again, both the items, i.e. keeping the management and departments informed about developments, regulating them and seeking approvals from management on specific issues are dealt very smoothly on email.

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

- The success of every institution depends on the quality of staff and their commitment towards achieving institutional vision and objectives. Hence, the management works with the faculty members hand in hand. The talent and potential of every staff member is recognized and honored. The management creates a healthy working atmosphere and even allows a participative decision making process where the staff members can present their suggestions or views in staff council meeting. All staff meetings have an open forum where the faculty members are asked to express their thoughts on the matters under discussion or on any other matter of concern. They are also encouraged to provide suggestions on academic matters to improve the standard or quality of education.
- Besides, each faculty is entrusted with additional responsibilities to take charge of one or two club /association activities. This ensures the active

involvement of the faculty members in ensuring effective development of cocurricular and extension activities for students. Every activity initiated are reviewed in the staff meeting and significant contribution from faculty are appreciated. As a token of encouragement, letter of appreciation is awarded to faculty members when their contribution is highly commendable.

AVANTHI plays a very vital role in bringing up the faculty forward to initiate and gain competitive edge through their personal involvement in many activities like

- ➢ Heading various committees at college level.
- Empowering the individual faculty through decentralized functioning mechanism.
- > Great level of flexibility in academic administration to make decisions
- > In designing the required training programs and updates it needs
- ➢ In preparing annual plans
- Freedom of action and decision
- ➢ Freedom of thought and expression
- ➢ Idea generation and implementation
- Providing feedback to determine the degree of the positive impact on any proposed activity by the department/college
- ➤ Formal/Informal gatherings with the Management periodically

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

- Working with the sole objective of maintaining high academic standards
- Providing career-oriented education in the most cost-effective manner.
- Good infrastructure
- Targeting excellent academic performance in university examinations and academic/co-curricular/extension activities.
- Focusing on the increase of placements
- Motivation and involvement of faculty in the promotion of innovative reforms.
- The teaching faculties are encouraged to find the gaps in the curriculum in-line with the technological developments. The gaps are filled by the eminent professors of reputed institutions
- The institute has got NBA Accreditation for all the under graduate programme during 2009-12. These courses were reaccredited by NBA in 2014 for the period 2014-17.
- Recognized by UGC under 2F and 12(B).
- Obtained permanent affiliation status from JNTUK.
- In the process of obtaining autonomous.

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.

There is a provision for according autonomy to affiliated colleges by the University. Process of applying for Autonomy is in progress.

- It has got NBA accreditation for all the under graduate programs (CSE, ECE, EEE, IT) in 2009 for 3 years (2009-12).
- > It has obtained permanent affiliation status in 2012 for 3 years (2012 15).
- ➤ It has obtained UGC recognition under 2(f) and 12(B)
- ➤ The under graduate programs are re-accredited by NBA for 3 years in 2014 (2014 17).
- > The JNTUK has given renewal for permanent affiliation status by 3 years in 2015 (2015 18).
- ▶ Now, the college is putting its efforts to get NAAC accreditation.

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?

- The institution has a grievance redressal committee headed by the Principal which functions to address the grievances of Students, Faculty members.
- Suggestion boxes are placed at prominent locations in the Institute.
- Grievances are resolved and feasible suggestions are implemented.
- An ATM was arranged with the support of Indian Overseas Bank, Makavarapalem to cater the needs of students and faculty.
- For the benefit of day scholars APSRTC request bus stop has been arranged in front of the college for Express and Non Stop services.
- Library hours has been extended from 8.00pm-10.00pm for hostlers during the semester end examinations.
- Providing e-copies of NPTEL resources to the students.
- Arranged Passport Mela for the benefit of Passport seekers.

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?

- Nil-

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 institution has a mechanism for analyzing student feedback on institutional performance. The student is a primary stakeholder of the college it is increasingly important for institutions to ensure that feedback is collected effectively and used wisely. Feedback is taken from student on current semester courses and is also collected from alumni during the alumni meets.

- Feedback is collected from the students twice during the semester and the same will be communicated to the faculty and HOD of the respective department.
- Faculty members have to give an explanation in case of poor feedback from the students.

Feedback provided by the alumni will be sent to Principal and management for necessary action.

6.3 Faculty Empowerment Strategies

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

- Our institution recommends the proposals received from the faculty members who wish to join for part time PhD/M.Phil.
- The institution encourages the staff to attend the Conferences, workshops, Faculty Development Programmes & Training Programms etc and motivated to publish their work in journals.
- The college provides paid leave (O.D), and also provide T.A, D.A and Registration fee benefits to attend for Faculty development programs/ Seminars/ Refresher programmes/Orientation course.
- The teaching staff is permitted to attend faculty development programmes (FDPs) conducted within and outside the college.
- Staff members to enhance their professional knowledge by presenting and publishing the papers in national and international conference/ journals.
- Heads of the Departments will provide transparencies and CDs etc to prepare effective modern teaching techniques such as OHPs and LCDs etc.
- Non teaching staff is guided by the senior staff in the maintenance of the laboratories and handling the equipment.
- Skill development programs are conducted for teaching staff/non teaching staff to update their technical knowledge.
- Free bus facility to all teaching and non teaching staff.
- Free Internet and Wi-Fi @ 24hrs facility supporting to do paper publishing/student Project monitoring.
- Conducting seminars by Industrial experts, University professors, Scientists.
- Faculties are encouraged to attend service ratification interview being conducted by University. Necessary charges will be borne by the college.
- Ratified faculty gets increments.
- Class In charges/ Project Coordinators are appointed for the student care and improvement of the students.

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?

- All staff members are encouraged to attend seminars / workshops/ Conferences /FDPs/Refreshers course/orientation course to keep in touch with latest theories and concepts on their subjects.
- Staffs who publish papers or who write books are informed through notices and notice boards.
- The institution announces appreciation letters to staff after submitting the annual appraisal form.
- Staff is permitted to go for Quality improvement programmes (QIP's).

• The institution conducts Skill oriented Training Programs for Teaching and Non-teaching Staff.

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

The institute provides **Performance Appraisal form** to all the teaching staff after the completion of the academic year. Based on different aspects the form has to be filled up and submitted to the Principal. After the discussion with the Principal/Head of the Department base on the marks the salary increments and incentives will be provided.

The following aspects are followed

- The subjects deled with result outcome.
- Attended FDP's/ conferences/ Workshops/Seminars in the academic year
- Responsibilities/Role taken care.
- Improvements taken and overcome from the previous year.
- Feedback from the students.

Sample Self appraisal of staff is taken in the following format and analyzed below:



Avanthi Institute of Engineering and Technology

TAMARAM (V), MAKAVARAPALEM (M), NARSIPATNAM VISAKHAPATNAM-531113

FACULTY ANNUAL APPRAISAL REPORT

for the academic year 20_-20_

FORM-A (To be filled by the candidate)

Name

Designation

Department

Present post held from

PRIMARY WORK

(Attach extra sheet where ever necessary)

1. Instructional work assigned

S.N o	Year/Se m	Course code	Title	Total No. of Classes Engage d	Class Strengt h	Result (pass%)

L	1			

2. Supervisory support provided:

a. M.E/M.Tech/M.S Thesis

S.N o	Name of student	the	Date of Registratio n	Co- supervisor	Current status	Date of submissio n

b. Project work at B.Tech/MCA/MBA Level

S. No	Project Title	Organization/Indu stry	Batch Size

3. Responsibilities Undertaken:

NCC/NSS/NSO/WARDEN/Guidance/Cultural/Counceling/Cultural/H OD/HOC/Dean*

S.No	Position	Period	Remarks

*special achievements, if any may be described on a separate sheet

4. Activities Organised:

S.No	Title	Durati on	Major Spons or	Level (International/ National)	Remarks

5. Research

paper/Books

published/Conferences/Articles/Monographs etc.,

S.No	Title/Work shop	Author(s)	Journal/ Conference details/Publis her	Level (International/ National, Text/ Reference Etc.,)	Mark yes, if refere d

6. 8Sponsored Projects/ consultancy:

S.N o	Project title	Exter nal funds receiv ed	Positi on	Spons or	Date of commence ment	Durati on (Yrs.)	Status (completed/ on going)

7. Participation: (Seminars/ Workshops/ Conferences/Symposia/ Continuing Education program/ Training Etc.,)

S.No	Title	Duration	Institution

8. Overall self appraisal

I did my best during the academic year for the betterment of the students and the institution

Date Signature

Difficulties and suggestions with regard to academic assignments/slf growth to be given in an annexure

(To be filled by the Head of the Department)

ANNUAL APPRAISAL REPORT FOR THE ACADEMIC YEAR 20 -20

Name of the Faculty:

Designation:

	Total
14	Relationship with students
13	Temperament
12	Maturity
11	Relationship with fellow faculty and staff
10	Leadership: gives clear directions and listens to co-workers
9	Team work: effective in team
8	Written communication
7	Oral- communication: speaks effectively with supervisor, colleagues and students
6	Development: keeps knowledge up to date
5	Loyalty: supports and follows institute's policies and guidelines
4	Commitment: committed to his/her work
3	Punctuality: arrives on time, generally available for students during working hours
2	Responsibility: understands duties: accepts responsibilities readily
T	Initiative: a self startor: able to work without constant supervision

I. Attitude and Interpersonal skills (give ratings on a five point scale with '5' being the best and '1' poorest):

II. Brief comments by the Head of the Department

III Remarks of Principal (if any)

Signature of the HOD

Principal

Signature of the

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 names of the faculty members who show good performance are recommended to promote the designation.
- If any Faculty receives an award/ paper published /attended to international conferences, it will be circulated and displayed in the notice board.
- Based on the Performance Appraisal, increments are provided to deserved candidates and for the career advancement of the staff.
- Positions of some staff are elevated.
- Appreciation letters are given for certain achievements,.
- The achievements are announced to the concerned staff through letters or in staff meetings or college day celebrations.
- Principal /Hod's of each department will collect the appraisal from individual faculty.
- The committee will analysis the data collected and reported to the Principal . Principal also analysis the data submitted by the Hod's of each dept and take action by Principal/respective HOD's of the department.

List of the committee verifies the self appraisal forms:

S.NO	NAME OF THE FACULTY	DEPARTMENT
1	Dr. C.P.V.N.J.MOHAN RAO	Principal
2	Dr. M.PRIYANKA	Secretary, Avanthi Educational Society
3	I SRAVAN KUMAR	Management
4	E GOVIND	ECE
5	PRAJASHEKAR	CSE
6	T SRINIVASA RAO	EEE
7	V HARI KIRAN	Mech
8	V SAI PRASANTH	MBA
9	Dr M A RAHATMATULLAH	H&BS
10	R PRASAD RAO	Exam cell In charge

- The faculty members whose performance is not satisfactory are advised for better performance.
- A faculty who secures poor performance in any aspect, the concern HOD motivate for the improvement.
- Annual **increments** will be given to all the staff members as per the rules in force.
- Additional **incentives** will be given on performance basis such as results, activities, Professional society activities and publications etc., About 17 faculties are provided with such incentives during last academic year.
- **Promotions** will be considered as per the eligibility criteria for the respective post. As and when somebody acquire the qualification, by accepting an application scrutinizing and recommendations of the selection committee will be considered for higher level positions. Six such cases have been recorded during last academic year.
- **Training** faculty possessing with required specialization qualifications will be considered for training. FDPs/ Workshops/Seminars/Conference invitations received from other colleges/Universities will be circulated among the faculties. Interested will approach the HOD of Concern Department and final selection will be made based on their specialization and seniority.

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?

- Additional increments are sanctioned to the deserving faculty to create a culture of commitment and attachment to the institution.
- Maternity leave provided for the lady faculty.

S.No	Name of the faculty	Department	Duration
1	P Sri satys	ECE	4 months
2	P Sudha Rani	CSE	4 months

• Paid leaves will be given for Marriage leaves.

S.No	Name of the faculty	Department	Duration
1	Sahitya Kiran	ECE	10 days
2	Kedareeswara Rao	ECE	10 days
3	T Pattalu Naidu	ECE	10 days
4	V VSatyanarayana	ECE	10 days
5	Ch Vara Prasad	CSE	10 days
6	N Duraga Rao	EEE	10 days
7	U Anjiah	EEE	10 days
8	Rajashekar Yadav	EEE	10 days
9	J Dileep Kumar	EEE	10 days
10	B Ramesh	MECH	10 days
11	V Hari Kiran	MECH	10 days
12	S Ganesh	MECH	10 days
13	B Nilesh	MECH	10 days
14	K Nooki Naidu	MBA	10 days
15	Santosh	MBA	10 days
16	E Roopa	MBA	10 days

• Free accommodation, power and water who are residing in the campus.

S.No	Name of the faculty	Department	Designation
1	S Daniel Raju	Administration	AO
2	Ravi shankar	Administration	Cashier
3	Markandeyulu	Administration	Transport
4	G Nagarjuna	Non Teaching	Technical support
5	P Naresh	CSE	Assistant Professor
6	N Bhavani Sankar	MECH	Assistant Professor

• Faculty members are deputed / sponsored for higher education by sanctioning study leave like Phd's

Sl. No	Name of the faculty	Department	Pursing
1.	T. Srinivasa Rao	EEE	Andhra University
2.	E. Govind	ECE	GITAM-University
3.	R. Prasad Rao	ECE	GITAM-University
4.	G. Bala Murali Krishna	MECH	Andhra University
5.	B. Ramesh	MECH	JNTU-Kakinada

• Fee concession is given to staff children in the college to the extent of 25% to teaching staff and 50% to non-teaching staff.

S.No	Name of the Student	Parent(Employee)	concession
1	L Rama Tulasi/ECE	L Nageswara Rao/ Lab Technician/Mech	Bus Fee
		Engg/Non Teaching	

• Free transport is provided to all teaching and non teaching staff.

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

- The Management looks after the enhancement of salary to the dedicated faculty.
- Eminent faculties are promoted in their positions.
 - Since the development of good students depends on the quality of teachers, faculty members are given necessary encouragement to improve their competence in various areas.
- Deputing staff regularly for quality improvement Programmes (QIP), Seminars, Conferences, Workshops, summer and winter continuing education courses. For each faculty such opportunities will be provided.
- Registration fee is born by the institution.
- Structured pay scales are proposed for qualified faculties
- For the deserved candidates i.e. qualification with experience, depending upon needs of the faculty higher salaries are offered
- To attend for the workshops academic leaves are provided. Each faculty is provided with Eight academic leaves per year.
- Providing opportunity to involve in research & developmental activities of their choice in the department and at the Institutional level.
- Identifying teachers with special talents and competence and encouraging them by honoring them with the newsletters etc.
- Encouraging teachers to conduct training courses for personnel in Industries / Educational Institutions.
 - Providing various leave benefits such as:
 - ➢ Study Leaves
 - Casual Leaves
 - Maternity Leave
 - Senior faculty are encouraged for PhD Registration

List of Faculty availed facility for Research:

Sl. No	Name of the faculty	Department	Pursing
1.	T. Srinivasa Rao	EEE	Andhra University
2.	E. Govind	ECE	GITAM-University
3.	R. Prasad Rao	ECE	GITAM-University
4.	G. Bala Murali Krishna	MECH	Andhra University
5.	B. Ramesh	MECH	JNTU-Kakinada

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?

- For every lab there will be a log register to monitor the usage of the equipment and students.
- Stock/ Consumable registers are place to monitor the repairs and periodic maintenance of the equipment.
- Stock verification verified by Lab In Charge and concern HOD the stocks at the end of the every academic year, identify the required / damaged / to be serviced articles. The concern Lab In Charge prepares the list of requirement to be purchased and serviced.
- Indents given by all the departments are evaluated and consolidated by the Management and Purchased by the HOD's/ Management with concern Lab in Charge.
- Every year the department places the budget to the principal. The principal collects from all the department and present the budget to management for the approval.

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.

The accounts of the College are audited regularly as per the Government rules. The external auditor conducts statutory audit at the end of financial year. The report of external auditor of the last year along with audited Balance Sheet and Income & Expenditure account is enclosed. The last audit for the year 2014-15 was completed on May, 2015 and there were no major audit objections in the same. Internal audit – Internal staff appointed by Principal External – CA (financial), JNTUK

NBA: COMMITTEE REVIEW



PROGRAMMES :

3. UG - Electronics & communication Eugo 4. UG - Mechanical Eugineering 5.	2	VG-i	Electrical + El	ectronics Engg
4. UG - Mechanical Engineering	3	UG - 1	Electronics & G	ommunication Eugg
5	4	U 9 -	Mechanical	Engineering
**	5	2	-	

1. OVERVIEW

1.1 Visit Information

The visiting team of National Board of Accreditation (NBA) conducted a three day accreditation visit to <u>Avanthi Institude of Engg & Technology</u> to evaluate <u>4</u> programmes from <u>S'< 1</u> to <u>S < No 4</u> During the visit, the visiting team met with Head of the Institution/Deau Dr C P V N J. Moham Rao, The briefing on the institution was given by <u>Principal</u>, <u>Dr C P V NJ</u> Meham Roo and on programmes were given by the respective Head of the Departments/Programme Coordinators. The respective programm evaluators also visited the various facilities of the programmes. Apart from comprehensive review of documental evidences pertaining to various accreditation criteria, the visiting team also hele meetings and interviews with all the stakeholders such as faculty, staff members, alumni, employers parents and students.

contd-2

22/6/14
The visiting team of NBA comprised :

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VISITING TEAM CHAIRPERS	ON
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Name: Prof Mohan Umakant Deshpande

Affiliation: Former Prof IIT Mumbai

Contact information: 101, Gandhi Nagar, NAGEUR-440010 Mob 9422506515

PROGRAMME TITLE WITH ABBREVIATION UG - computer SC & Eugg

Programme Evaluator 1	Programme Evaluator 2
Name: Prof Avijit Kar	Name: food V. Santha Kumari
Affiliation: Jadavpur University	Affiliation: D.T.E. Kerala
Contact information: Phone: 09433099242-	Contact information: Phone: 09447890250
E-mail ID: dr. avijit Kar @ gmail.com	E-mail ID: Santh 41@ gmail. com

PROGRAMME TITLE WITH ABBREVIATION

Programme Evaluator 1	Programme Evaluator 2
Name: Dr (Mrs) Gayatri Agnihotzi	Name: Prof Sildharta Sen
Affiliation: Depti EE. M.A.NIT Bhopd	Affiliation: Dept of EE 11T Khargons
Contact information: Phone:_09\$266 @0 \$ 46	Contact information: Phone: 09424039856
E-mail ID: gayabria & rediffmail com	E-mail ID: ssen@ee. iifkgp.ernol.

PROGRAMME TITLE WITH ABBREVIATION

UL - Electional U	a commi Engo
Programme Evaluator 1	Programme Evaluator 2
Name: Prof Perwez Muslajab	Name: Rof Ramesh Garg
Affiliation: A.M.U. Aligarh	Affiliation: ECE Deptt. IIT Khargpur
Contact information: Phone: 09410426810	Contact information: Phone: 09775527045
E-mail ID: pmust 57 @ gmail .com	E-mail ID: garg @ ece iit kgp . er na

OV-

Programme Evaluator 1	Programme Evaluator 2
Name: S. Mulidi Abbas Rizvi	Name: hof Sachin & Untawale
Affiliation: A.M.U. Alizart	Affiliation: DMI of Eugs Tech Res Ward
Contact information: Phone: 0 98 978 2 66	671 Contact information: Phone: 0880622666
E-mail ID: mahdirizvi @ yaheo	· com E-mail ID: untawale @ gmail. com
PROGRAMME TI	TLE WITH ABBREVIATION
Programme Evaluator 1	Programme Evaluator 2
Name:	Name:
	N

Contact information: Phone:_

E-mail ID:

1.2 Previous Accreditation Details

Contact information: Phone:_

E-mail ID:

÷.

	First ac	credited	Last accredited	
Programme title	Number of years /Grade	With effect from	Number of years / Grade	With effect from
1 VGCSE	2009	3725	This 2nd	Accred
2) UG EEE	2009	340	+ de	
3) UG ECE	2009	390.	e do-	
		From 10+7-2009		

- Vide letter F.NO, NBA / ACCR /- 1094/2008 dated 14/7/200

01

CSE 1.4 Summary of findings 3 Programme Title 1: Comporter Science & Engg Strength:

accordited Berinshy focus Parex control on Dedicated sincer faculty and **`**w 48 Many Students higher studies going Teaching learni forces 011

Concern:

Intake since 2009 Large Competition from (of lies nearby ocation away from Ma IT Hubs . 14 OV Z

Weakness:

Awareness Regarding PEOPO not yet percolated down Affilialid University brings rigidily to Academic Preeses Regional issues & Requirements not seflected in R&Deffert Marc commercial softwares needed standard of QP of Sessionals not sufficiently challage Deficiency: -----

35

Programme Title 2: __/ , EEE Strength: Adequile Infoastonchie dabs as per curriculum of affliahe university good sepone from students Some Commercial software available to students. Concern: to PO/PEOS appreciation among many statcholders of Mullomeder fitted class ·NO 80000 declining friend in student reponse noted quantum of faculty involvement especially at Junios level low OP-~

Weakness:

1

NO J Research Jukhicahans & IPR LOW Experienced middle level faculty proportion low, No y scholarly journals & recently published Text and reference books appear to be less than needed Deficiency: -O

322

MECH

ou engen. good Infra structure proachine leadership Young & enthusiastic faculty Major public sector & Defence Industries in vicity . Concern: attracting & Relaing qualified and experiment faculty who could impact R&D ettert an campous having for beyond norking hows and beyond syllams academic imolvement - into

Weakness:

Rapport with nearby steel plant and Nowal Sience labo to ensure Their involvement in projects and R&D efforts. mone

*

Faculty awareness of linking laborating and to requirements of budinty at all India level.

Deficiency:



Programme Title 3: Acompany Selected & Communication Ey Adequate labs. Young & simeart faculty Industry visits, inflant traing in place Problem solving emphanis in Teaching learning. Invers Concern: PEO/PO appreialian not- percolating down the line amongst some of the state holders Lack of sufficiently experienced middle level faculy for evaluation of 950/po achiments-

Weakness:

	hural location of college
	No Faculty Honsing on compres.
	level of performance of good
	Bludents not leading to Ranks
	in University.
	A Len no electives in
1-1-1 	in modern communication,
	EM feelds.

Deficiency:



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

The College runs on self financed basis. It does not receive any grant from the Government. It solely depends on the tuition fees collected from the students.

The details of fees and other revenue for last four years are as follow:

• Table :6.2 Details of Fees from Self-Financed Section

Academic	Revenue	Revenue	Revenue	Revenue	Revenue
Year	in 2015-16	in 2014-15	in 2013-14	in 2012-13	in 2011-12
Tuition/JN	8,90,727,0	102,901,55	102,163,14	117,197,45	92,465,453
TU/ Admin/	8	1	3	3	
Bus Fee					

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

No such funding had received by the college till date.

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?

QUALITY POLICY

Yes, the IQAC was established on **5th june**, **2013**, prior to IQAC ,academic council looks after quality sustaining activities.

S .NO	Name	Designatio n	Status in IQAC	Methodology/ Functions
1	Dr. C.P.V.N.J.MOHAN RAO	Principal	Chairperson	Supervision
2	Dr. M.PRIYANKA	Manageme nt	Member	Suggestions, Financial support
3	I.SRAVAN KUMAR	Manageme nt	Member	Suggestions, Financial support
4	E.GOVIND	HOD(ECE)	Member	Prepares Action plan of various quality activities of the college in the year

The IQAC committee members:

5	P. RAJASHEKAR	HOD(CSE)	Member	Encouraging the Organisation of seminars, workshops, FDPs, etc and its documentation
6	T.SRINIVASA RAO	HOD(EEE)	Member	Organization of Add- on courses/certificate courses of the departments& Supervises the documentation
7	G.BALA MURALI KRISHNA	HOD(Mec h)	Member	Organization of Industrial visits, project works, out reach programmes of departments& Supervises the documentation
8	V.SAI PRASANTH	HOD(MB A)	Member	Organization of co curricular activities such as student seminars, quiz's, elocutions Buzz sessions and modern teaching activities for quality enhancement &Supervision, documentation
9	G SYAM KUMAR	HOD(H& BS)	Member	Collection of Feed back from various agencies and their analysis
10	R PRASAD RAO	Senior Faculty, Exam Cell In Charge	Member	Motivation towards Research, encourages to attend seminars, Research sharing and networking with other institutions, applying for research funding &Supervision, documentation
11	A.PERRAYA	Senior staff, NSS Coordinato r	Member	Training and placement activities
12	NIL	Nominees from local society	Member	Support in the development of infra structure

It is performing the following functions:

- It helps the college in planning and monitoring. Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks.
- The relevance and quality of academic and research programmes

- Equitable access to and affordability of academic programmes for various sections of society.
- Optimization and integration of modern methods of teaching and learning.
- The credibility of evaluation procedures through credit books.
- Ensuring the adequacy, maintenance and functioning of the support
- Research sharing and networking with other institutions
- Development and application of quality benchmarks/parameters for the various academic and administrative activities of the institution.
- Organization of workshops, seminars on quality related themes and promotion of quality circles.
- Documentation of the various programmes / activities leading to quality improvement.
- Organizing the eco-friendly activities in the college like planitation, NSS, Swach Bharat, Etc.,
- Encourages to organize co-curricular activities like sports day, Fresher's day, Annual day.
- Encourages the research activities in the college through R&D committee.
- Promotion of the quality of education, ward counseling system and monitoring the progress of the students.
 - Monitor regular academic audits of the departments by academic audit committee.
 - Obtaining feedbacks from all stake holders on curriculum, infrastructure facilities, performance of teachers and departments.
 - Ensures that the procedures are strictly followed in all quality enhancement activities.

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

No. of decisions discussed	No. of decisions implemented
 Solar Power Water harvesting & waste water management Green audit Development of infrastructural facilities Improvement in Hygienic facilities in canteen Development of E-learning resources In-house medical facility Rampage for physically challenged persons Upgrading of gymnasium 	 Facility to cricket net practice Development of E-learning resources Departmental libraries Conference hall Departmental professional clubs At least 2 guest lectures by every dept. Conference hall Digital Library Departmental Libraries ATM Facility

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

No

The IQAC doesn't have any external members. But it is planning to include members in its committee.

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

They provide the necessary input, feedback, recommendations for effective functioning of the IQAC.

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

- The IQAC communicates the records, resolutions of the meetings to all the staff twice in a semester by conducting meeting with committee coordinators.
- If there is any change in the quality policy members of IQAC provide training programs to the staff members for effective implementation of changed policy.
- Inviting the staff to involve in quality enhancement programmes (such as guest/extension lectures etc) which are arranged by any dept.
- It encourages inter-disciplinary workshops and seminars.
- Encourages the staff to do quality and interdisciplinary projects
- Utilizes the expertise of the faculty members.
- Encouraging the staff to publish papers.
- Motivating the staff towards modern teaching methods.

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

Yes

The Framework of the quality assurance of the academic and administrative activities is tabulated below:

S.NO	PARTICULARS
1	Vision, Mission, Programme educational objectives
2	Program outcomes
3	Programme curriculum
4	Students performance
5	Faculty contribution
6	Facilities and technical support
7	Academic support units and Teaching learning process
8	Goverence, Institutional and Facility
9	Continuous Improvement

- The decisions taken in the meetings of the IQAC are communicated to all the depts. through the members of the IQAC who are HODs.
- On the whole, the principal ensures quality in academic and administrative activities at the institution level.
- All the academic and administrative activities are included in annual institutional plan.

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, institution provides the following

- Principal/Senior Faculty Members provide guidance to the staff for effective implementation of the Quality assurance procedures.
- faculty members given training regarding teaching methodology, maintenance of course files ,lab manuals, student evaluations, learners characteristics, institutional objectives, institutional methods, PEO's &PO's by resource persons
- For the improvement of teaching process, the staff are sent to Refresher/Orientation and other training programmes.
- The IQAC arranges training for the staff in some of the Quality assurance procedures by eminent personalities.
- It arranges skill oriented programmes for the teaching/ non-teaching staff.
- It helps improve quality in both academic and administrative activities.
- Teaching/ organization skills of junior faculty is increased
- •

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, the academic committee performs the academic audit.

- Internal audit by IQAC regularly coordinates the activities of various committees.
- External Annual academic audit by Fact finding committee JNTU-Kakinada, AFRC.
- The outcomes are helpful in the betterment of the teaching-learning process.
- On the out come/report of academic Audit, suitable guidelines are framed to improve the quality of activities.

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

- The IQAC ensures the implementation of all the rules & regulations stipulated by the External Quality Assurance Agencies like Jawaharlal Nehru Technological University-Kakinada, AICTE, AFRC and APSCHE.
- The academic calendars issued by the JNTU-Kakinada are scrupulously followed in all the activities besides implementing the institutional academic calendar.
- Implementing NBA/NAAC quality policies.

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

- It is an institutional mechanism that all the staff have to record the topics completed in each session.
- All the staff members regularly monitor the attendance
- Class review meetings by the Head of the Departments.
- In the tutorials a number of problems are worked out and the examples discussed.
- The institute monitors the quality of teaching by several means such as a. Scrutiny of course files

- b. Regular meetings with student reprsentatives
- c. Oral and written feedback from the students.
- d. Students performance in the internal examinations.
- e. Result analysis.

Evaluation Procedures & Feedback

- The evaluation of faculty by the students through feedback
- Feedback focuses on various teaching skills
- The Head of the institution interacts with a few students of each class and takes the feedback
- Self- appraisals are taken from the faculty member at the end of every academic year.

Syllabus

- Affliating university prescribed syllabus is followed.
- Additional topics are included to bridge the curriculum.

Academic Calendar

• Number of instructional days, contact hours per week as directed by affiliating university is followed.

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

- Conducting meetings with staff, management and parents.
- Displaying the circulars & information in notice boards of college & department levels.
- Updating news, events conducted by the college displayed in College and Department notice boards.
- Interacting with students and Parents.
- Broachers and website.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

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

Every member of the college family is fully aware of environmental protection of the college campus; they always contribute to enrich the environment development in the college campus.

7.1.2 What are the initiatives taken by the college to make the campus ecofriendly?

Energy conservation:

- The last Student who leaves the class room should off the switches in the class room
- Implementing energy saving techniques is ensured that the lights and fans are switched off by floor peons and staff after completion of the last lecture of the day. Switched off when the faculty moves to lecture rooms.
- Classrooms are made with sufficient cross ventilation and light so that the use of electricity can be minimized.
 - LED Lamp fittings are in Progress

Use of renewable energy:

- To stick posters on all switch boards in campus advocating power saving
- To replace electrical regulators with electronic regulators.
 - To conduct energy audit to whole college with the help of agency.
- To use solar energy to preheat the boiler feed water.
- To use natural drought/forced drought to enhance cooking stove efficiency.
 - Planning a guest lecture on importance of renewable energy committee in even semester.
 - Paper presentation and poster presentation competition for EEE and Mech. students in even semester.
 - Planning to install 150 KVA Solar Power Unit.

Water harvesting:

• Constructed water conservation pits to harvest rain water.

Efforts for Carbon neutrality:

• The students are directed to park their vehicles at the college gate in the parking place provided by the college in order to keep the environment pollution free.

Plantation:

- The institute has planted and maintained different varieties of flowering trees, ornamental trees and shrubs to keep the institute free from pollution A lot of various kinds of trees are planted in the campus.
- Surviving the dying trees and if not survived, removed the rotten trees and planted with new ones.
- •

Hazardous waste management:

• The dust bins are kept everywhere for throwing rubbish in. A sweeper is kept for cleansing purpose.

E-waste management Electronic waste is given to the vendor.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

The following are the innovations introduced during the last four years which have created a positive impact on the functioning of the college:

- Provided the Wi-Fi facility in the campus.
- Many guest lectures had been given to students by Industry/ Educational experts.
- Institute has started RESEARCH FORUM having advanced facilities provides full support for research and development activities to uplift the status of the students.
- Providing the training on soft skills and technical skills to the entire final years student by experts from outside the campus.
- English language lab is made available for the students.
- The entire campus has been made tobacco free through initiatives of both the faculty and students and this has definitely created a positive impact in the institution.
- The laptops are given to the Senior teachers for class room study purpose.

- All departments provided the computer with internet facility in the staff room. Provided intercom facility to each department for communication purposes.
- Established sports club aims to make youth India with strong physic and efficient mind. To impart that we provide all the facilities to the students to take part in sports activities to make them fit. Students of our college take part in inter collegiate meet and university level sports.
- The faculties are sent to seminars, conferences and workshops to be more active in research activity.
- The new furniture is made in the Principal's chamber, staff roof and in non-teaching staffroom.
- Training and placement cell has been established.
- Providing placements to the students by conducting the campus interviews.
- Provision for sufficient purified drinking water.
- Maintaining the department library by each department.
- Provided many instruments to save from fire accidents.
- Cultural programs are conducted for development.
- Continuous Assessment of Students Academic Progress.
- Strict Regulations on Students Attendance and Mannerism.
- In-plant Training and Industry Visits
- Programming and Problem-solving Contests
- Conducts the Students Seminars and Debates
- Interviews and Group Discussions
- Team-building Exercises.
- Introduced the Innovation and Creativity Clubs
- Provides the Personality Development Programs.

7.3 Best Practices

7.3.1 Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Best Practices-1: Study hours, Tutorial and Remedial System in the institution

Goals of the practice: To enable the high achievers to reach excellence and the slow learners to reach the minimum qualifying level.

The Process: Each teacher identifies high scorers and low scorers.

Each staff takes at least 2-3 low achievers as his or her wards under sustained supervision and care to assist them to improve their performance. High scorers are also given help to became equipped to get top percentage of marks. The college Training and placement Cell and faculty help students in their plans for future development and careers. Every day the college conducts the study hours to the week students beyond the college timings, under sustained supervision and care to assist them to improve their performance. High scorers are also given help to became equipped to get university ranks. To make the students more clear about their subjects tutorial classes are being conducting for every subject in college timings. Remedial classes are conducted for week students

Results are drastically improved. The percentage of passes in some Subjects is 100% and more than 80% in others Subjects.

The teachers need to assist the students beyond the college timings for their improvement in the academics and faculty should clarify the doubts in the tutorial class.

Resources required:

For further details/ contact person

City: Narsipatnam Pin Code: 531113 Phone (O) : 08932-22238, Fax: 08932-222453 Website: <u>www.avanthienggcollege.ac.in</u>E-mail: <u>principal_aiet@yahoo.com</u>

Best Practices-2: Mentoring System for Students to overcome the difficulties irrespective of stress, personal, domestic, academic, etc.

Goals of the practice: To minimize dropouts and giving guide lines for their career plan and overcoming their difficulties in the learning the subject through personal counseling.

The practice is that of creating an efficient mentoring system. Each teacher is assigned 10-12 students. They meet at least once a week to discuss, clarify and primarily to share various problems which may be personal, domestic, academic, etc. The teacher is equipped with all the necessary information about his/her wards on a file. The teacher involves local guardians and parents as well, whenever necessary

It is needless to say that a mentor gets the job satisfaction. Evidence of success of the practice includes better results in the examinations, more regular attendance, increased participation in co-curricular activities, better discipline on campus and respectful relationship between teachers and students. Observed the overall improvement in the attitude of the students.

Evidence of Success This practice requires well-committed teaching staff having the desire to help students.

Principal: Dr. C.P.V.N.J. Mohan Rao Avanthi Institute of Engineering and Technology

City: Narsipatnam Pin Code: 531113
Phone (O) : 08932-222382,
Fax: 08932-222453
Website: www.avanthienggcollege.ac.in E-mail:
principal_aiet@yahoo.com

Resources required:

For further details/ contact person

Best Practices-3: Regular communication with parents

Goals of the practice: To minimize irregularities and make the parents aware of the student progress in the campus regarding the attendance, marks etc.

The practice is that of every class will have one class in charge. He will look after all aspects of the students and if there is any problem with students regarding attendance, marks, any misbehavior in the campus immediately communicates to the parents.

With this every student is regular at their class work and gets good marks in the MID exams, Misbehavior, Disciplinary issues are also reduced

Evidence of Success

Resources required:	This practice requires teaching staff to act as class in charge and an effective communication system is needed.
For further details/ conta person	Principal: Dr. C.P.V.N.J. Mohan Rao Avanthi Institute of Engineering and Technology City: Narsipatnam Pin Code: 531113 Phone (O) : 08932-222382, Fax: 08932-222453 Website: www.avanthienggcollege.ac.in E-mail: principal_aiet@yahoo.com

Evaluative Report of Electronics and Communication Engineering

1. Name of the department

Department of Electronics and Communication Engineering

- 2. Year of Establishment: 1999
- 3. Names of Programmes/Courses offered (UG, PG,M.Phil.,Ph.D.,Integrated Masters;Integrated Ph.D.,etc.):

UG: B.Tech (ECE) and

P.G: M.Tech (VLSI Design) and M.Tech (DECS)

4. Names of Inter disciplinary courses and the departments/units involved.

Name of the Course	Department offered
Environmental Studies	Humanities
C Programming	Computer Science & Engg.
MEFA	Dept of MBA
Electrical Technology	Electrical & Electronic Engg.
Control systems	Electrical & Electronic Engg.
Management Studies	Dept of MBA
OS	Computer Science & Engg.

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

B.Tech – Choice Based Credit system M.Tech – Semester system

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

Subject	Department	
I & CS	Machanical Engineering	
MEMS	Mechanical Engineering	
LDIC		
EDC	Electrical & Electronic Enga	
STLD	Electrical & Electronic Eligg.	
MP		
DLD	Computer Science & Engg.	
MP		

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

- 8. Details of courses/programmes discontinued (if any) with reasons: NIL
- 9. Number of teaching posts

	Sanctioned	Filled
Professors	02	02
Associate	05	05
Professor		
Assistant	38	38
Professors		
Total	45	45

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

G					Number of
S.	Name	Qualification	Designation	Specialization	Years of
NO.			_	-	Experience
1.	Dr. Ch Srinivasu	Ph.D	Professor	Radar Signal	01
				Processing	
2.	Dr P.Mohanaiah	Ph.D	professor	Antennas	01
				Dage	
3.	Mr E Govinda	MTech	Asso.Professor	DSCE	14
4.	Mr R Prasada Rao	M Tech	Asso.Professor	DSCE	14
5.	Mr M	M Tech	Asso.Professor	Instrumentation	5
	Kedareeswara Rao				
6.	Mr .D	M Tech	Asso.Professor	Radar and	3
	Lakshminarayana			Microwave	
7.	Mrs Ch.V. Sridevi	M Tech	Asso.Professor	Radar and	5
				Microwave	
8.	Mr P Ashok Kumar	M Tech	Asst.Professor	VLSI D	6
9.	Ms G.Divya	M Tech	Asst.Professor	VLSI D	1
10.	Mr T Pattala Naidu	M Tech	Asst.Professor	Instrumentation	5
11.	Mr M. Ranganath	M Tech	Asst.Professor	DSP	4
	Sarath				
12.	Ms D Prasanna	M Tech	Asst.Professor	VLSI D	8
	Kumari				
13.	Mr V V Satya	M Tech	Asst.Professor	ECE	7
	Narayana				
14.	Mr R Aneel Kumar	M Tech	Asst.Professor	VLSI SD	4
15.	Mr P Sahitya Kiran	M Tech	Asst.Professor	DSP	3

16.	Mr K.Uma	M Tech	Asst.Professor	VLSI	3
	Shanker				
17.	Ms P Sri Satya	M Tech	Asst.Professor	Radar and	6
				Microwave	
18.	Mr SV Sudheer	M Tech	Asst.Professor	VLSI SD	3
	Kumar				
19.	Mr K.santosh	M Tech	Asst.Professor	C& SP	2
	kumar				
20.	Mrs P.Raghava	M Tech	Asst.Professor	DECS	5
	kumari				
21.	Mr K.Dhilli	M Tech	Asst.Professor	DECS	1
22.	Mr Balaji KA	M Tech	Asst.Professor	VLSI	1
23.	Mr D Sreenivasa	M Tech	Asst.Professor	ECE	2
	rao				
24.	Mr B.Ajitha Teja	M Tech	Asst.Professor	DECS	1
25.	Mr Kandregula	M Tech	Asst.Professor	Radar and	2
	haribabu			Microwave	
26.	Mr V Ravi shanker	M Tech	Asst.Professor	VLSI	2
	Varma				
27.	Ms P Prabhavathi	M Tech	Asst.Professor	VLSI SD	1
28.	Mr P.Prasanth	M Tech	Asst.Professor	VLSI SD	1
	Kumar				
29.	Mr M Nageswara	M Tech	Asst.Professor	Radar &	4
	Rao			microwave	
30.	Ms D Swetha	M Tech	Asst.Professor	VLSI&ES	4
	Padmaja				
31.	MrT. Depak	M Tech	Asst.Professor	VLSI	1
32.	Mr G Ravi shankar	M Tech	Asst.Professor	VLSI SD	1
33.	Mr SV Ramana	M.Tech	Asst.Professor	VLSI	1
34.	M Kishore Kumar	BTech	Asst.Professor	ECE	2
35.	B.Narayana Rao	Blech	Asst.Professor	ECE	2
36.	Garbham Santhosh	MBA	Asst.Professor	ECE	
37.	Mr S Phani Vara	Blech	Asst.Protessor	ECE	1
20	Prasad				1
38.	Mr J Kavichandra	M. lech	Asst.Protessor	VLSI SD	
39.	Mr G Kanaka Kao	M. lech	Asst.Protessor	VLSI SD	
40.	W Ganesh	M. Lech	Asst.Professor	VLSI VLSI CD	
41.	N Dala Souff Dilloi Sonil Kumar	M Tash	Asst.Professor		1 1
42.	1 IIIai Salili Nullial M Ravi Jagannadh	M Tech	Asst.F101850f	VISISD	1
4 .9.	ivi Kavi Jagaillaull		ASSUI 10105501	V LOI OD	1

44.	Dokkara Anusha	M Tech	Asst.Professor	VLSI SD	1
45.	Thota Sowjanya	M Tech	Asst.Professor	VLSI SD	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):

U.G: 15:1 PG: 12:1

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

	Sanctioned	Filled
Technical	06	06
Administrative	02	02
Total	08	08

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

Total faculty strength	45
Number teaching faculty with Ph.D	02
Number teaching faculty with M.Tech	40
Number teaching faculty with B.Tech	03

- 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received.: Nil
- 17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR etc. and total grants received: **Nil**
- 18. Research Centre/facility recognized by the University: Nil

19. Publications:

	Academic Year				
Name of faculty	2012-13	2013-14	2014-15	2015-16	
Mr.R Prasada Rao	2			1	
Mr.E Govinda	1	1		1	
Mr. BN Srinivsa Rao	5	4	2	1	
Sri P Ashok Kumar	1			1	
Sri M Kedareswara Rao	4	1	1	1	
Sri D Rahul Varma	1			1	
Sri D Prasanna Kumari	1				
Sri T Patala Naidu				1	
Mr R Aneel kumar	1			1	
Sri SV Sudheer Kumar		1			
Mr. Venkata Ganesh Moturi	1				
Mr G.vekata rao	1				
Total	18	7	3	8	

INTERNATIONAL JOURNALS

S. No	Name of the faculty	Title of conference
		Academic year 2015-2016
1.	Mr E.Govinda	Published a paper named "Speed ands Area Optimized Realization of 5
		Port Router using Verilog HDL" in international journal.
		(IJVDCS)Vol.3, Issue 08,October 2015,Pages1199-1202.
2.	Mr R.Prasad Rao	Published a paper named "Design and Analysis of Multisubstrate
		microstrip patch antenna "in international conference
		SPRINGER"Dec2015
3.	Mr M.Kedareswara	
	Rao	Published a paper named "Implementation of Speed Optimized CSLA
		Architecture using D-Latch Approach" ISSN 2322-0929 Vol.03, Issue.08,
		October-2015, Pages:1169-1172.
4.	Mr PAshok Kumar	Published a paper named "Reliazation of Multi operand Adress based 64
		bit modified Wallace MAC" ISSN 2322-0929 Vol.03, Issue.08, October-
		2015, Pages:1213-1216.
5.	Mr T.P.Naidu	Published a paper named "Evaluation of Sparse Tree RSFQ Adder for

		high speed applications "in international journal.
		(IJVDCS) ISSN 2322-0929, Vol.3, Issue 08, October 2015, Pages 1203-
		1207.
		www.iivdcs.org
6.	Mr D.Rahul Varma	Published a paper named "Implementation of Power Optimized PRPG with Low Transition Test Compression Technique INDRANI "in international journal.(IJVDCS) ISSN 2322-0929,Vol.3, Issue 08,October 2015,Pages1217-1223. www.ijvdcs.org
7.	Mr R.Aneel Kumar	Published a paper named "Design of Fault Coverage Circuit with Efficient Hardware for Low Power Testing Applications "in international journal.(IJVDCS) ISSN 2322-0929,Vol.3, Issue 08,October 2015,Pages1269-1272 www.ijvdcs.org
8.	Mr BN srinivasa Rao	Published a paper named "Implementation of Add Multiplier operator Design Modified Booth Recoder for Power Efficient Applications "in international journal.(IJVDCS) ISSN 2322-0929,Vol.3, Issue 10,December-2015,Pages1568-1573 www.ijvdcs.org
	1	Academic year 2014-2015
1.	Mr. BN Srinivsa Rao	Published a paper named "implementation of ripple carry and carry skip
		adders with speed and area Efficint"in international journal.
		(IJARCCE)Vol.3, Issue 10,October 2014.
2.		Published a paper named "Speed optimized 2D DCT Implementation for
		high compression rate Applications" in International Journal(IJAIR)
		Volume 3 Issue 9,2014
3.	Mr. M. Kedareswara	Published a paper named" Low Power Implementation using Clock and
	Rao	Power Gating" ISSN 2322-0929 Vol.03, Issue.01, January-2015,
		Pages:0108-0112.
	1	Academic year 2013-2014
1.	Sri E Govinda	International Journal of Engineering Trends and Technology (IJETT) –
		Volume 4 Issue 9- Sep 2013 ISSN: 2231-5381 ttp://www.ijettjournal.org
		Page 3814 Background Subtraction with Feature Extraction Based on
		FPGA
2.	Sri M.kedareswara rao	Message Encoding in Images Using Lifting Schemes International Journal
		of Engineering Research & Technology (IJERT) Vol. 2 Issue 8, August –
		2013, ISSN: 2278-0181, <u>www.ijert.org</u>
3.	Sri BN Srinivasa Rao	International Journal of Engineering Trends and Technology (IJETT) –
		Volume 4 Issue 9- Sep 2013 ISSN: 2231-5381 ttp://www.ijettjournal.org
		Page 3814 Background Subtraction with Feature Extraction Based on
		FPGA
4.	Mr S.V Sudheer Kumar	International Journal of Engineering Trends and Technology (IJETT) –
		Volume 4 Issue 9- Sep 2013 ISSN: 2231-5381 ttp://www.ijettjournal.org
		Page 3814 Background Subtraction with Feature Extraction Based on
		FPGA
		Academic year 2012-2013

1.	Sri E Govinda	A Novel Approach of speed optimization Design for General Linear	
		Feedback Shift Register Structures <u>www.semargroups.org/ISSN</u> 2319-	
		8885,volume01,Issue No.2	
2.	Sri R Prasada Rao	Semi-custom Implementation of high speed, Area efficient 16:1	
		multiplexer ISSN: 2319-281X Vol. 1,No. 3, Dec 2012	
3.		Design and analysis of 16-bit full adder using Spartan-3 FPGA	
		www.ijert.org/ ISSN:2278-1323 Vol. 1,Issue 7, Sept 2012	
4.	Sri P.Ashok kumar	Design of adiabatic logic based low power carry select adder	
		www.ijera.org/ISSN:VOL .2,issue 6,july 2012	
5.	Sri D.Rahul Varma	Reconfigurable Vrtribi Decoder	
		www.ijera.org/ISSN:VOL .2,issue 6,sep 2012	
6.	Sri D.Prasanna kumari	A Future Technology For Enhanced operation in Flip-Flop oriented	
		Circuits www.ijera.com/papers/Vol2_issue4/NG2421772180.pdf	
7.	Sri M.kedareswara rao	A full custom design and implementation of counting bloom filter.	
8.		Design of reconfigurable multipliers based on high speed Shannon adder	
	_	www.ijert.org//september-2012-edition	
9.		Analysis of reconfigurable multipliers for integer and Galois field	
		multiplication based on high speed adder	
10	_	www.sciencedirect.com/science/article/pii/S2212017312005579	
10.		An FPGA architecture based on linear and morphological image filtering	
	_	www.ijettjournal.org/volume-4/issue-6/IJETT-V4I6P115.pdf	
11.		Design of clip using core centric protocol	
		www.ijera.com/papers/Vol3_issue1/EK31903907.pdf	
12	Cui DN Cuining Dag	Debliebed - new month of the second Level - second for a fill and the second se	
12.	SII BIN SIINIVASA KAO	High Speed Full Adder cell using GDI Technique? in International	
		Iournal IIESIT-2012 vol2 issue?	
		http://www.ijesit.com/Volume%202/Issue%202/IJESIT201302_48.pdf	
13.	_	Published a paper named "Implementation of area efficient 16bit adder in	
		SPARTAN-3 FPGA" in International Journal IJESIT-2012,vol2,issue2.	
	_	http://ijesit.com/Volume%202/Issue%202/IJESIT201302_71.pdf	
14.		Published a paper named "Carry-save adders in FPGAs" in International	
1.5	_	Journal IJECSE-2012,vol2,tssue3.	
15.		Published a paper named "Design of FIR filter based on improved DA	
		algorithm and its FPGA Implementation" in International Journal IJESII-	
16	-	Design and analysis of 16-bit full adder using Spartan-3 FPGA	
10.		www.jiert.org/ ISSN:2278-1323 Vol. 1 Issue 7 Sept 2012	
17.	Mr R Aneel kumar	Design and analysis of 16-bit full adder using Spartan-3 FPGA	
		www.ijert.org/ISSN:2278-1323 Vol. 1 Issue 7 Sent 2012	
18.	Mr G.Venkata Rao	Design of On Chip Bus Using Core Centric Protocol	
		International Journal of Engineering Research and Applications (IJERA)	
		ISSN: 2248-9622 www.ijera.com Vol. 3. Issue 1. January -February 2013	

		pp. 1 P a g e
19.	Mr .Venkata ganesh	IRACST - International Journal of Advanced Computing, Engineering
	Moturi	and Application (IJACEA), ISSN: 2319-281X, Vol. 1, No.3, December
		2012 137
		Semi-Custom Implementation of High speed, Area efficient 16:1
1		Multiplexer

20. Areas of consultancy and income generated: Nil

21.Faculty as members in

a)National committeesb)International Committeesc)Editorial Boardd)Professional body membership:

Sl.no	Name of the faculty	Name of professional
		body
1	E.Govinda	IEEE member
		#93071746

Nil

22. Student projects:

	2015-16
 a) Percentage of students who have done in-house projects including inter departmental/programme 	100%
 b) Percentage of students who have done in-house projects including inter departmental/programme 	0%

23. Awards/Recognitions received by faculty and students:

• Faculty Achievements:

Faculty secured more than 90% are appreciated with certificate.

• Students Achievements:

2015-2016:

Name of the Student	EVENT	Organized by	Award
P.Nagalingaih	Hardware Expo	PRARANA 2016 AIET	1 st Prize
P.Tejaswine P.G.Sonthosh	PPT	PRARANA 2016 AIET	1 st Prize
P.Prachotan T.Sudheer B.Lok Sai	Quiz	PRARANA 2016 AIET	1 st Prize
Bhanu Prakash	Photo Gallery	PRARANA 2016 AIET	1 st Prize

2014-2015:

Name of the Student	EVENT	Organized by	Award
L. Nanaji	Tecnomaze	AVISHKAR-2015, AIET, Narsipatnam	1 st Prize
M.D. Srihitha	Project: Android Controlled Robotic Boat	AVISHKAR-2015, AIET, Narsipatnam	1 st Prize
T.Samatha	Essay writing	District wise Jaiho mahila compitations in AKP,visakhapatnam	1 st prize
S.H Maithili	Essay writing	District wise Jaiho mahila compitations in AKP,visakhapatnam	3 rd prize

2013-2014:

Name of the Student	Project Title	Organized by	Award
N. Navitha	Improving	Ablaze-2014, AIET,	1 st Prize
S Ramya	Passengers safety in	Narsipatnam	
P Satti Babu	automobiles		

N V Nageswara Rao	Electro Mechanic	Ablaze-2014, AIET,	2 nd Prize
Srinivas	Break System	Narsipatnam	
Ram Mohan	-	-	

2012-2013:

Name of the Student	Event	Organized by	Award
N. Navitha	OHMNIS-2K13	AIET, Narsipatnam	2nd prize
P.Geetha praveen	TECH-SUMMIT- 2K13	Avanhi Group	2nd prize
P.Geetha praveen	TECH-SUMMIT- 2K13	Avanhi Group	2nd prize

2011-2012

Name of the Student	Event	Organized by	Award
Uday	Robotics	Vignan Engg College,	2nd Prize
Naviteja		Visakhapatnam	
Navin			
Satya Narayana			
Ch Shanmukh	Tug of war (Robotics)	Vignan Engg College, Visakhapatnam	2nd Prize
Ch Shanmukh	Tug of war (Robotics)	Visakha Engg College, Visakhspatnam	2nd Prize
K Santhosh GVS Tejaswi Manikanta Guna Sekhar	Paper Presentation	Goa University, Goa	1st Prize

24. List of eminent academicians and scientists/visitors to the department:

B	na 120	AVANTHI INSTITUE EN LEERING & TE 4 hana
Prof. G Tulasi Ram Das, VC, JNTUK on the occasion of Resonanace held on 5 th March 2012	Prof. K. Satya Prasad, Rector, JNTU and Prof.of ECE addressing our students -Anushthana2K12	Prof. HariBabu,Principal,Govt. polytechnic college Narsipatnam gives a lecture on Personality Development to our students -Anushthana2K12
Guest Lecture by	INAGURATION of AVISHKAR 2K15	Personality Development
	12th 14th c E 1 2015	Later by
Dr. M. Lakshmi Narayana Scinetist (H), DI RI, & Vice	13 – 14 of Feb 2015 Prof. B. Prabhakara Rao	Lecture by
Chairman,	Vice Chancellor I/c - JNTUK	Prof. KVSG Murali Krishna_ 13 th - 14 th of Feb 2015
IEEE Hyd Section.14-02-2015		

Guest Lecture by	INAGURATION of PRERANA 2K16	Industry interaction
	12 th - 13 th March2016	Fri Bhagayan Prasad
PROF.C.B .Rama Rao	Sri V.Madhusudan,Chairman and	BSNI Representative
Department Of ECE, NIT	M.D, Visakhapatnam Steel Plant	Viselybenetnem 12 02 2016
Warangal.13-03-2016		visakiiapatiiain.13-03-2016

S. No	Name of the invitee & Designation	Academician/ Scientist/ Industry	Date & Year
1.	Sri V.Madhusudan,Chairman and M.D.Visakhapatnam Steel Plant	Industry	12 th March2016
2.	Prof.R.V.Raja Kuamr Director ,IIT Bhubaneswar	Academician	12 th March2016
3.	Prof .Madhu Mutyam Deparmenmt of CSE,IIT Chennai	Academician	12 th March2016
4.	Sri M.Venkata Ratnam, Scientific officer H,BARC, Visakhapatnam	Industry	12 th March2016
5.	Prof.Jayantha Pal,Deparmenmt of EEE,IIT Kharagpur	Academician	13 th March2016
6.	Prof C.B.Rama Rao Department of ECE,NIT Warangal	Academician	13 th March2016
7.	Sri M.Bhagavan Prasad,SDE- EETP,BSNL,Visakhapatnam	Industry	13 th March2016
8.	Prof M.L.Sai Kumar, Fellow Computer Society of India & Professor & PGDM Co-ordinator ,Institute of Public Enterprise.	Academician	18-03-2016
9.	Prof.G.V.R Prasad Raju,Registrar,Jntuk	Academician	6 th Oct 2015
10.	Sri J.Satyanarana,I.A.S,Advisor IT Govt.Of Andhra Pradesh	Industry	6 th Oct 2015
11.			6 th Oct 2015
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	Sri Adapa Raja Suresh Kumar.		
		T 1 4	
	Founder & CEO,Synchroserve Global	Industry	
	Solutions Pvt.Ltd.Hyd.		
12.	Prof. B. Prabhakara Rao	A de maisie -	12th E-1-2015
	Vice Chancellor I/C - Jntuk	Academician	13 th Feb 2015
13.	Prof. KVSG Murali Krishna, Jntuk	A 1	1.4th T 1 2015
		Academician	14 th Feb 2015
14.	Dr. M. Lakshmi Narayana		
	Scinetist 'H', Dlrl & Vice Chairman,		14 th Feb 2015
		Scinetist 'H'	14 100 2015
	Ieee Hyd Section.		
15.	Sri. Rayaprolou S.S.Sarma		
	Head	Industry	13 th Feb 2015
16	(Grduate Talent Program) Virtusa, Hyd		14th E 1 2015
16.	Sri I. Vasudeva Rao,	Industry	14 th Feb 2015
17	Head, Startup Village, Visaknapatnam		1 4th E -1- 2015
1/.	Sri Narendra Neria, vice President Ingnire Edge IT Solutions VSD	Industry	14 Feb 2015
10	Prof CSN Pain Vice Chancellor AU		5 th April 2014
10.		Academician	5 April 2014
19	Prof Ch Ratnam Principal AU College		4 th April 2014
17.	Of Engineering	Academician	1 11011 2011
20.	Prof.P Vijay Prakash, Vice Chirmen, AP		4 th April 2014
	State Council Of Higher Education	Academician	1
21.	Sri GVS Haribabu, Principal	A de misieur	4 th April 2014
	,Govt.Polytechnic,Narsipatnam	Academician	
22.	Sri Surya		5 th april 2014
	Shankar,DGM(Telecom),Visakhapatnam	Industry	
	Steel Plant		
23.	Sri N Rajesh.		5 th april 2014
	Group Head	Industry	
	(Enterprise Marketing)Miracle Software	industry	
	Systems, Vsp		
24.	Mr K Srinivas.Govt.Polytech,VSP	Academician	23 rd sep 2012
25.	Mr Y Arjun Kumar .DGM	Industry	^{2nd} March 2013
	(Telecom), Visakhapatnam Steel Plant		
26.	Prof. K. Satya Prasad	Academician	29th Feb 2012
27	Kector Jntu, Kakinada	Andemisien	
27.	wii v Kagavenura, Deim	Academician	9 th Aug 2012
1			

28.	Mr. Subramanyam	Academician	5th March 2012
	HR Dept TCS Hyderabad		
29.	Dr. Murali Mohan, Professor	Academician	5th March 2012
	IIT, Kharagpur		
30.	Mr. Amitwa Das Scientist-F, Nstl,	Scientist	1 th Eeb 2012
	Visakha		4 100 2012
31.	Mr. Paresh Modh, Pme, Mumbai	Scientist	0 th March 2012
			9 Watch 2012
32.	Mr. P. Naga Raju, General Manager,	Industry	2 nd Eeb 2011
	Bsnl		2 100 2011
33.	Dr. Trimulthulu, Scientist B, Nstl,	Scientist	5 th March 2011
	Visakhapatnam		5 1010112011
34.	Prof. Sri Lingam Murthy HOD Of	Academician	9th March 2010
	EEE, AU		Jui March 2010
35.	Prof. B. Prabhakara Rao,	Academician	8th August 2010
	Hod Of Ece Jntu Kakinada		otil August 2010
36	Prof. K. Padma Raju	Academician	
50.	Director Industry Institute Interaction In		9th Dec 2010
	Dept Of Ece Jntu Kakinada		
37.	Mr. G. Gurunadha Rao, HOD, ECE	Academician	17 th Oct 2010
	,Dept, JNTU, Vijiynagaram		1/ 001 2010
38.	Mr. Sudhakar, Scientist-G, Nstl, Visakha	Scientist	23 rd Sep 2010
			25 Sep 2010

25. Seminars/Conferences/Workshops organized & the source of funding

- a) National
- b)International

c) college/society

S. No.	Event	National/	Funding	Categories	Respons	Year
		Internationa	source		e	
		1				
1.	PRERANA2K16	National	College	Hardware Expo.	39	201
				PPT	64	6
	(igniting young minds to			Quiz	119]
	think beyond)			Photo Gallery	27	
				_		
5.	A Seminar on	National	College	IT and Skill	171	201
	Future Challenges			Development		5
	in IT and Skill			_		
	Development					
6.	AVISHKAR –			Creative Junx	4	201
	2K15			Skill hunt	5	5
				Paper	31]
				Presentation		
				Technomaze	74	

				Photo Gallery	6	
11.	ABLAZE-2K14	National	College	Hardware Expo.	47	201
			and	Skill Hunt	4	4
			sponsor	Smart Movies	3	
			S	E-Quiz	120	
				Protatus	5	
16.	ECHELON-2K13			Paper	90	201
				Presentation	70	3
				Poster	62	
				Presentation	02	
				Hardware Expo.	42	-
				Robotics	31	-
				Inox	8	-
				Smart movies	3	
22.	ANUSHTHANA -	National		Technical Paper	70	201
	2K12		College	Presentation		2
			and	General Poster	36	
			sponsor	Presentation		-
			S	Technical Quiz	30 batch	-
				Hardware Expo.	150	
26.	Resonance-2k12	National	College	Technical Paper	100	201
			and	Presentation	100	2
			sponsor	General Postal	128	
			S	Presentation	70	-
20				Technical Quiz	12	0.11
29.	ADWITHIYA -	National	0.11	Technical Paper	94	2011
	2K11		College	Presentation	20	-
			and	Dresentation	29	
			sponsor	Technical Ouiz	15	-
			S	Hardwara Evra	13	-
22	Sankathika	National		Tachnical Dapar	90 250	2011
33.	Sankeunka Somohor 21/11	Inational	College	Prosontation	230	2011
	Samanai-2KTT		and	General Postal	Q1	-
			sponsor	Presentation	01	
			S	Technical Ouiz	96	-
36	ROBONIUVUS -	National		Technical Paper	100	200
50.	2K09	1 vanonai	College	Presentation	100	9
	21107		and	General Postal	85	
			sponsor	Presentation	05	
			S	Technical Ouiz	61	-
1	1		1			1

26. Student profile programme/course wise:

Year of	Name of the	Applications		Enrolle	ed	
Graduation	Course/programme	received	Selected	-1-76. <i>0</i> 7	415	Pass
				*M	*F	percentag
						e
2016	B.Tech(ECE)	176	176	127	49	81%
2015	B.Tech(ECE)	143	142	91	51	73%
2014	B.Tech(ECE)	133	133	96	37	83%
2013	B.Tech(ECE)	131	130	92	38	81%
2016	M.Tech (VLSI Design)	10	10	05	05	50%
2015	M.Tech (VLSI Design)	13	13	08	05	61%
2014	M.Tech (VLSI Design)	14	14	11	3	42%
2013	M.Tech (VLSI Design)	05	05	4	1	60%
2016	M.Tech (DECS)	14	14	10	4	28%

*M=Male *F=Female

27. Diversity of Students:

	Name of the course	% of students	% of students	% of students
S.No.		from same state	from same other	from abroad
			state	
1.	B.Tech 2016 Admitted	99%	1%	NIL
2.	B.Tech 2015 Admitted	96%	4%	NIL
3.	B.Tech 2014 Admitted	97%	3%	NIL
4.	B.Tech 2013 Admitted	97%	3%	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civilservices, Defenses ervices, etc.?

S No	Voor	Gat	DC CET	CDE
5.NO.	Ical	Uai	FUCEI	UKE
		e		
1.	2015-16		8	
2.	2014-15	01	11	
3.	2013-14	02	12	3
4.	2012-13	4	16	6
2. 3. 4.	2014-15 2013-14 2012-13	01 02 4	11 12 16	 3 6

29. Student progression:

• Academic year 2015-16

S.No.	Student progression	Against % enrolled
1	UG to PG	7.3%
2	Employed	
	Campus selection	36.36%
	• Other than campus	08.33%
	recruitment	

30. Details of Infra structural facilities

a) Department Library:

S.No.	No. of Volumes	No. of Journals	CDs, VCDs,
			Multimedia
1.	1209	National 4	44
		International 02	

Central Library:

S.No.	No of Titles	No. of Volumes	No. of Journals	CDs, VCDs,
				Multimedia
1	1474	7187	National 12	84
			International 06	

- c) Internet facilities for Staff & Students:
- Computer with internet are available in the HOD room.
- Faculty and students use internet facility with 20 Mbps speed in the departmental & computer laboratory having latest versions computer are available.

S.No	Room Description	Usage	Shared/Exclusive?	Capacit y	Rooms equipped with
1	N-24	Seminar Hall	Exclusive	200	Glass board, PC, LCD projector
2	Ground Floor	Conference Hall	Exclusive	30	PC and LCD projector
3	A-16	Class room	Exclusive	60	Glass board,PC,LCD projector

c) Class rooms with ICT facility

d) Laboratories:

	Physical labs :			
S. No	Room description	Name of the laboratories	Exclusive/ Shared	Space (Sqm), Number of students
1	N-15	Electronic Devices and Circuits	Shared	97.09, 30
2	A-7	Analog Communication Lab	Shared	97.09, 30
		Digital Communication Lab		
		Pulse & Digital Circuits Lab		
3	A-18	LIC Applications Lab	Shared	97.09, 30
		Electronic Circuit Analysis Lab	Shared	97.09, 30
4	A-8	Microprocessor and microcontrollers Lab	Shared	75.92, 30
5	A-10	Digital Signal Processing Lab	Shared	151.84, 30
		VLSI Lab		
		Digital System Design &DICA Lab		
6	A-6	Microwave Engineering Lab	Shared	75.92, 30

Curriculum Labs:

S.No.	Curriculum Lab Description	Number of
1	Electronic Devices and Circuits	10
2	Analog Communication Lab	12
3	Electronic Circuit Analysis Lab	10
4	Digital System Design &DICA Lab	11
5	Pulse &DigitalCircuits Lab	13
6	LIC Applications Lab	12
	Digital Communication Lab	
	Microprocessor and microcontrollers Lab	16
	Digital Signal Processing Lab	10

7	Microwave Engineering Lab	12
8	VLSI Lab	10

31. Number of students receiving financial assistance from college, university, Government or other agencies.

In our department total 343 students are getting financial assistants from Govt. of Andhra Pradesh in fees Reimbursement and scholarships for the academic year 2016-17.

	Financial Asst. from Govt.			
Year	B.Tech M.Tech			
I year	49	01		
II year	105	12		
III year	96			
IV year	93			
Total	343	13		

32. Details on student enrichment programmes (special lectures/workshops/ seminar)with external experts

Sl. No	Name of the invitee & Designation	Topic of Lecture	Date & Year
1.	Prof M.L.Sai Kumar, Fellow Computer Society of India & Professor & PGDM Co-ordinator ,Institute of Public Enterprise.	Personality development	18 th March 2016
2.	Sri Bhagavan Prasad BSNL Representative, Visakhapatnam.	Seminar on EETP program of BSNL	13 th March 2016
3.	Sri J.Satyanarana,I.A.S,Advisor IT Govt.Of Andhra Pradesh	Seminar on Future Challenges in IT and Skill Development	6 th Oct 2015
4.	Sri Adapa Raja Suresh Kumar. Founder & CEO,Synchroserve Global Solutions Pvt.Ltd.Hyd.	Seminar on Future Challenges in IT and Skill Development	6 th Oct 2015

5.	Prof. KVSG Murali Krishna, Jntuk	Personality development	14 th Feb 2015
6.	Dr. M. Lakshmi Narayana Scinetist 'H', DLRL& Vice Chairman, IEEE Hyd Section.	EM antennas and subsystems for electronic warfare programs.	14 th Feb 2015
7.	Sri S Surya Shankar,DGM(Telecom),visakhapatna m steel plant	Telecommunication techniques	5 th April 2014
8.	Mr. K Srinivas, Govt. Polytechnic, Visakhapatnam	EDC	23 rd Sep 2012
9.	Mr. K Srinivas, Govt. Polytechnic, Visakhapatnam	Antenna & Wave propagation	19 th Sep 2012
10.	Mr V Ragavendra, Delhi	Carrier Orientatation	9 th Aug 2012
11.	Mr. Subramanyam HR Dept TCS Hyderabad	Industrial Requirements	5th March 2012
12.	Dr. Murali Mohan, Professor IIT, Kharagpur	Signals & Systems	5th March 2012
13.	Prof. K. Satya Prasad RECTOR JNTU, Kakinada	Different Communication Techniques	29th Feb 2012
14.	Mr. Amitwa Das Scientist-F, NSTL, Visakha	Under water Communication (SONAR)	4 th Feb 2012
15.	Mr. Paresh Modh, PME, Mumbai	Industrial Applications of Medical Electronics	9 th March 2012
16.	Mr. V. Subramanyam, Anushman Electronics	Industrial Applications of MPMC	22 nd Feb 2012
17.	Mrs. Ujwala Kranthi Prabha, MVGR, VZM	Optical Communications	6 th Jan 2012
18.	Prof. PV Sridevi Dept. of ECE, AU Engg College for women	Digital Signal Processing	4th March 2011
19.	Mr. M. Prabhakara Reddy, Professor, BME Dept., BVRIT	Simulation Tool Box	7 th Feb 2011
20.	Dr. P. Srihari, Professor & HOD, Dept. of ECE, VNR VJIET, Hyderabad	VLSI	6 th Aug 2011
21.	Mr. J. Babu, Assoc.Prof., LB Reddy, Vijayawada	PTSP	11 th Sep 2011
22.	Mr. P. Naga Raju, GM, BSNL	Tele Communications	2 nd Feb 2011
23.	Dr. Trimulthulu, Scientist B, NSTL, Visakhapatnam	Under water Communication	5 th March 2011
24.	Prof. Sri Lingam Murthy HOD of EEE, AU	Network Analysis	9th March 2010

25.	Prof. B. Prabhakara Rao, HOD of ECE JNTU Kakinada	Digital Communication	8th August 2010
26.	Mr. P. Sudhakar Assoc.Prof. Prime Engg College	Digital IC Applications	10th Sep 2010
27.	Prof. K. Padma Raju Director Industry Institute Interaction in dept of ECE JNTU Kakinada	Industrial Requirements	9th Dec 2010
28.	Mr. G. Gurunadha Rao, HOD, ECE Dept, JNTU, Vijiynagaram	Digital Communication	17 th Oct 2010
29.	Mr. GVS Hari Babu, Principal, Govt. Polytechnic, Narsipatnam	Control Systems	4 th Nov 2010
30.	Mr. Sudhakar, Scientist-G, NSTL, Visakha	DSP	23 rd Sep 2010

33. Teaching methods adopted to improve student learning.

- We are using
- Chalk and Talk
- > LCD
- ➢ OHP
- > PPT
- > SONET
- ≻ Labs
- > Quiz
- ➢ Class Tests
- > NPTL
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

STUDENTS PARTICIPATION IN SOCIAL RESPONSIBILITIES

Yearly participants from the department:

Year	No. of Students
2015 - 2016	40
2014 - 2015	35
2013 - 2014	35
2012 - 2013	75

ACTIVITIES:

1 National Day(s) Celebrations.



- 2 Social Responsibility Activities
 - Go Green Activity through plantation
 - Blood Donation
 - Visiting Hospitals & Interacting with patients and distribution of nutritious food.



AWARENESS PROGRAMS on:

- 1 AIDs
- 2 Communicable Diseases



3 P e r s o

> n a 1

Local Public Health

- 4 Trauma Care
- 5 Disaster Management
- 6 Empowerment Of Girl Childs
- 7 RTI
- 8 Campus Cleanliness & Sanitation
- 9 Medical Camps.

There was a rally by NSS Unit in collaboration with Avanthi Group of colleges at beach road protesting against a gang rape of Miss.Nirbhaya @ 23-12-2012

Campus cleaning: NSS Volunteers regularly clean the campus under the banner Clean and Green.



35. SWOC analysis of the department and Future plans.

Strengths:

• Experienced and committed faculty and technical staff.

- Good industry/institute interaction with near by industries for visit, project works
- Participation of the students to work in teams
- High Intake -180 (2012 onwards)
- Right composition of seniors and youngsters having better scope for knowledge sharing and responsibility sharing

Weaknesses:

- Students are weak in communication skills due to their rural backdrop.
- Difficulty in handling Research and consultancy areas in their fullest extent.
- Not able to attract top rankers EAMCET due to proximity.

Opportunities:

- Less scope for utilization of industrial experience of faculty.
- Ability to deliver Entrepreneurial guidance to the students (project profiles).
- Very high competition in the job market is compelling the students who can towards the best they can perform.
- 8000 cr Worth aluminum refinery (ANRAK) which can provide students to have their internships/projects and consultant programs.
- 1000 cr worth Food processing unit at Ramanna palem village which is located 5km from the college, sanctioned by govt. of AP.
- 600 cr. Worth Brandix Appreal situated at Atchuthapuram about 20km from the college.

Challenges:

- In view of slowdown in recruitment by industry.
- Competition with several colleges.
- Retaining of senior faculty in view of opportunities due to upcoming colleges in nearby the city
- To transform an young non serious mind into a talented professional

Future Plans:

- To enter into MOUs with reputed academic and Industrial international organizations.
- To initiate exclusive R&D center for enhancing research in the department.
- To Improve the result in academics
- To improve placements for eligible candidates

DEPARTMENT EVALUATION REPORT

COMPUTER SCIENCE AND ENGINEERING

- 1. Name of the department: Computer Science & Engineering
- 2. Year of Establishment: 1999
- 3. Names of Programmes/Courses Offered (U.G., P.G., M.Phil, PhD, Integrated Masters; Integrated Ph.D., etc.):
 - 1. B.Tech in Computer Science & Engineering
 - 2. M.Tech in Computer Science & Engineering

4. Names of Interdisciplinary Courses and the Departments/Units involved:

	Interdisciplinary	Semeste	Name of the
S.no	course	r	Department
1	MEFA	II-I	M.B.A
2.	P & S	II-I	S & H
3.	DLD	II-I	ECE
4.	EDC	II-I	ECE
5.	EDC LAB	II-I	ECE
6.	MPMS	III-I	ECE

5. Annual/Semester/Choice based Credit System (Programme wise):

B.Tech – Choice Based Credit system

M.Tech – Semester system

6. Participation of the Department in the courses offered by other Departments:

S.No	Name of the Subject	Name of the Department
1.	DS	ECE
2.	C N	ECE
3.	O S	ECE
3.	СОА	EEE
4.	UNIX	EEE
5.	ICG	МЕСН

7.

Courses in Collaboration with Other Universities, Industries, Foreign Institutions, etc.

NIL

8. Details of Courses/programmes discontinued (if any) with reasons

M.Tech in Software Engineering in 2014.

Students do not prefer the course; hence zero admissions have been recorded for three consecutive years. Hence opted for its closure.

9. Number of Teaching Posts:

The Governing Body has been Sanctioned and Filled the Teaching posts according to AICTE Norms:

Position	Sanctioned	Filled
Professors	03	03
Associate professors	05	05
Assistant Professors	26	26

10. Faculty Profile with Name, Qualification, Designation, Specialization, (D.Sc/D.Litt/Ph.D/M.Phil.etc):

S.No	Name	Qualification	Designation	Specializ	Years of
				ation	Experience
1	Dr.C.P.V.N.J.Mohanrao	M.Tech.,Ph.D	Professor	CSE	15
2	Dr.M.Prasadrao	M.Tech.,Ph.D	Professor	CSE	11
3	Dr.Ch.V.Phanikrishna	M.Tech.,Ph.D	Professor	CSE	13
4	Mr.P.Rajasekhar	M.Tech	Assoc.Prof.	CST	07
5	Mr.P.V.S.Prabhakar	M.Tech	Assoc.Prof.	CSE	03
6	Mr.N.V.Ashok kumar	M.Tech	Assoc.Prof.	CSE	03
7	Ms.V.Suneetha	M.Tech	Assoc.Prof.	CSE	04
8	Mr.B.Nandakishore	M.Tech	Asst.Prof.	CSE	05
9	Mr.S.S.Pavankumar	M.Tech	Asst.Prof.	CSE	04
10	Mr.K.Varaprasad	M.Tech	Asst.Prof.	CSE	03
11	Mr.G.Varahagiri	M.Tech	Asst.Prof.	CSE	02
12	Mr.N.Swaroop	M.Tech	Asst.Prof.	CSE	06
13	Mr.K.V.Subramanyam	M.Tech	Asst.Prof	CSE	05
14	Mr.Y.Srinivasu	M.Tech	Asst.Prof.	CSE	02
15	Mr.P.Naresh	M.Tech	Asst.Prof.	CSE	02
16	Mrs.Ch.Sulochana rani	M.Tech	Asst.Prof.	CSE	02
17	Ms.D.Anusha	M.Tech	Asst.Prof.	CSE	02
18	Mrs.P.Sudharani	M.Tech	Assoc.Prof.	CSE	04
19	Mr.S.V.Manikanta	M.Tech	Asst.Prof.	CSE	03
20	Ms.P.Nagalakshmi	M.Tech	Asst.Prof.	CSE	03
21	Mr.D.Ravi	M.Tech	Asst.Prof	CSE	02

22	Mr.S.Dileep	M.Tech	Asst.Prof.	CSE	02
23	Ms.A.Priyanka	M.Tech	Asst.Prof.	CSE	01
24	Ms.N.Sridevi	M.Tech	Asst.Prof.	CSE	02
25	Mr.Y.Sekharnaidu	M.Tech	Asst.Prof.	CSE	02
26	Mr.V.V.V.R.Kumar	M.Tech	Asst.Prof.	CSE	02
27	Mr.A.Bharatkumar	B.Tech	Asst.Prof.	CSE	02
28	Mr.Y.Sivaprasad	M.Tech	Asst.Prof.	CSE	02
29	Mr.S.Lokesh	M.Tech	Asst.Prof.	CSE	02
30	Ms.M.Sailaja	M.Tech	Asst.Prof.	CSE	04
31	Mr.J.Rajesh	M.Tech	Asst.Prof.	CSE	02
32	Mrs.S.Anusha	M.Tech	Asst.Prof	CSE	03
33	Ms.K.Harini	M.Tech	Asst.Prof	CSE	01
34	Mr.K.Srinivas	M.Tech	Asst.Prof	CSE	01
	ADJUNCT FACULTY				
33 M.Krishnamraju(MANUH TECHNOLOGIES,VIZAG)			INDUSTRY		
34 A.Rajesh(Ctrl-S,HYDERABAD)				INDUSTRY	
35	35 K.Srinivasarao(WIPRO,HYDERABAD)				INDUSTRY
36	36 B.Sridevi(INFOSYS,HYDERABAD)				
37	7 V.Anantha Lakshmi(TCS,HYDERABAD)				INDUSTRY
38	A.Ramesh(INFOR GLOBAL SOLUTIONS, HYDERABAD)				INDUSTRY
39 M.Satya Dinesh Kumar(EFFICACY SYSTEMS PVT LTD, HYD)				INDUSTRY	
40	S.Shivaganesh(MIRACL)	E,VIZAG)			INDUSTRY

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):

Student – Teacher Ratio (UG): 1:15

Student – Teacher Ratio (PG): 1:12

14. Number of Academic Support Staff (Technical) and Administrative staff; sanctioned and filled:

Position	Sanctioned	Filled
Academic Support	06	06
Staff(Technical)		
Administrative Staff	02	02

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/M.Phil/PG:

Number of Faculty with Ph.D: 03

Number of Faculty with P.G: 30

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, IC, SSR etc and Total Grants Received:

NIL

18. Research Centre/Facility Recognized by the University:

NIL

19. Publications:

S.No	Name of the faculty	Number of papers	Name of the journal	Academic
		published		Year
1.	Dr.C.P.V.N.J.Mohan	02	IJETT,IJAIR	2015-16
	rao			
2.	P.Rajasekhar	03	IJSETR,IJCSIT,IJETT	2015-16
3.	P.V.S.Prabhakar	01	IJSETR	2015-16
4.	N.V.Ashokkumar	03	IJRCSE, IJSETR,	2015-16
			IJETT	
5.	V.Suneetha	02	IJSETR, IJETT	2015-16
6.	B.Nandakishore	01	IJETT	2015-16
7.	P.Rajasekhar	04	International journal	2014-15
			of Engineering Trends	
			and Technology	
8.	P.V.S.Prabhakar	03	International Journal	2014-15
			& Magazine of	
			Engineering	
			Technology,Managem	
			ent and Research	
9.	N.V.Ashokkumar	01	International journal	2013-14
			of advanced and	

			innovative research	
10.	M.Satyanarayana	03	International journal	2013-14
			engineering trends and	
			technology	
11.	V.Kumar	03	International journal	2013-14
			of advanced and	
			innovative research	
12.	Dr.C.P.V.N.J.Mohan	04	International journal	2013-14
	rao		of advanced and	
			innovative research	
13.	Dr.C.P.V.N.J.Mohan	01	International journal	2012-13
	rao		for Computer Science	
			and Engineering	
14.	B.Venkateswarulu	03	International journal	2012-13
			for Computer Science	
			and Engineering	
15.	S.S.Pavankumar	04	IRACST-Engineering	2012-13
			science anTechnology	
16.	V.Kumar	07	IJCSE,IJCSIT,	2012-13
			IJMER	
17.	P.Rajasekhar	01	Intenational Journal	2012-13
			for Computer	
			Technology and	
			Applications	

20. Areas of Consultancy and income generated:

NIL

21. Faculty as members in National Committees, International Committees and Editorial Boards:

S.No	Name of the Faculty	Member
1.	Dr.C.P.V.N.J.Mohanrao	CSI

22. Student Projects:

Academic Year	Type of Projects	Percentage
2015 - 16	In-House Projects	100%
	Outside the Institution	nil
	In-House Projects	100%
	Outside the Institution	nil

2014 - 15		
	In-House Projects	100%
2013 - 14	Outside the Institution	nil
2012 - 13	In-House Projects	100%
	Outside the Institution	nil

23. Awards/Recognitions received by Faculty and Students:

STUDENTS:

2015 – 16:

S. No	Name of the	Event Type	Event Name	Organized by	Prize
	student				
1.	G.Navyasai	Paper	PRERANA	AIET	1 st prize
	Rajendrakumar	Presentation			
2.	R.Gowthami	Poster	PRERANA	AIET	1 st prize
		Presentation			

2014 – 15:

S. No	Name of the	Event Type	Event Name	Organized by	Prize
	student				
1.	Ch.V.R.Teja	Technical	AVISHKAR	AIET	1 st prize
		Exhibition	2K15		
2.	Ch.V.R.Teja	Paper	VIBRANT	DIET	1 st prize
		Presentation	Diet		

2013-14:

S.No	Name of the	Event Type	Event Name	Organized by	Prize
	student				
1.	Swani Tyagi	Paper	Eplus-Club	AIET	3 rd prize
		Presentation			
2.	D.Radhasree	Paper	Eplus-Club	AIET	3 rd prize
		Presentation			
3.	Y.Prathibha	Paper	Eplus-Club	AIET	3 rd prize
		Presentation			
4.	Ch.V.R.Teja	Poster	JAIHO2k14	GVP	1 st prize
		Presentation			
5.	Ch.V.R.Teja	Paper	JAIHO2k14	GVP	1 st prize

		Presentation			
6.	Ch.V.R.Teja	Poster	STEPCONE	GMR	1 st prize
		Presentation	2k14		
7.	Ch.V.R.Teja	Poster	ZEITGEIST	JNTUK	1 st prize
		Presentation			

2012 -13:

S.No	Name of the	Event Type	Event Name	Organized by	Prize
	student				
1.	Swani Tyagi	Paper	National level	Chaitanya	1st prize
		Presentation	Technical	Engg.Colleg	
			symposium	e	
2.	D.Radhasree	Paper	National level	Chaitanya	1st prize
		Presentation	Technical	Engg.Colleg	
			symposium	e	
3.	Y.Prathibha	Paper	National level	Chaitanya	1st prize
		Presentation	Technical	Engg.Colleg	
			symposium	e	

24. List of Eminent Academicians and Scientists/Visitors to the

College:

S.N	Name of the Resource	Designation	Date of Visit
0	Person		
1.	Prof.Madhu Mutyam	Professor,IIT,Chennai	12-03-2016
2.	Prof.N.L.Saikumar	Professor,IPE	18-03-2016
2.	Prof.Arun k.Poojari	Dean,HCU	13-02-2015
3.	Prof.S.Pallamsetty	Professor,AU	14-02-2015
4.	Prof.B.Prabhakara rao	Vice Chancellor I/C -	13-02-2015
		JNTUK	
5.	Prof.K.Muralikrishna	Professor,Civil	14-02-2015
		Engg.,JNTUK	
6.	Sri.T.Vasudeva Rao	Head,Startup	14-02-2015
		Village, Visakhapatnam	

7.	Sri.Narendra Nerla	Vice President, Inspire	14-02-2015
		Edge IT	
		Solutions, Visakhapatnam	
7.	Prof.G.V.R Prasad Raju	Registrar, JNTUK,	06-10-2015
		Kakinada	
8.	Sri.J.Satyanarayana,I.A.	Advisor,IT,Govt.of	06-10-2015
	S	Andhrapradesh	
9.	Sri.Adapa Raja Suresh	Founder & CEO,	06-10-2015
	Kumar	Synchroserve Global	
		Solutions	
10.	Prof.G.S.N.Raju	Vice-Chancellor,AU	05-04-2014
11.	Prof.Ch.Ratnam	Principal,AU College of	04-04-2014
		Engineering	
12.	Prof.P.Vijay Prakash	Vice-Chairman, AP State	04-04-2014
		Council of Higher	
		Education	
13.	Sri.G.Venkata Ramesh	AGM(IT),Steel	04-04-2014
		plant,Visakhapatnam	
14.	Sri.N.Rajesh	Group Head(Enterprise	05-04-2014
		Marketing) Miracle	
		Software Systems, Vizag	
15.	Prof.P.Srinivasa Rao	Head of the Department,	09-02-2013
		Department of	
		CS&SE.,A.U.Vizag	
16.	Sri.K.Viswanatham	Head, Mahindra Satyam,	09-02-2013
		Visakhapatnam	
17.	Sri.Suman Das	AGM,IT	09-02-2013
		Department, Visakha Steel	
		Plant,Secretary,CSI,Vizag	

25. Seminars/Conferences/Workshops Organized and the Source of Funding:

S.No	Event	National/Internationa	Funding Source	Year
		1		
1.	PRERANA,ATwo	National	College	2016
	Day Technical			
	Meet			
1.	A Seminar on			
	Future Challenges			
	in IT	National	College	2015

2.	A Seminar on Skill			
	Development	National	College	2015
3.	Avishkar2k15,A			
	Two day technical			
	event	National	College	2015
3.	Tech-Reperio,A			
	Two day technical			
	event	National	College/Sponsors	2014
4.	Tech Envisage			
	2k13	National	College	2013
5.	Resonance	National	College	2012
6.	Sustantivo2k11	National	College	2011

26. Student Profile Programme/Course wise:

Name of the	Applications	Total	Male	female	Pass	Year
Course/Programm	Received	Admitted			Perce	
e					ntage	
B.Tech	71	71	28	43	69%	2016
B.Tech	113	113	66	47	72%	2015
B.Tech	98	98	58	40	72%	2014

27. Diversity of Students:

S.No	Name of the	% of students	% of students	% of students
	Course	from same	from other	from abroad
		state	state	
1.	I CSE	100%	NIL	NIL
2.	II CSE	100%	NIL	NIL
3.	III CSE	100%	NIL	NIL
4.	IV CSE	100%	NIL	NIL

28. The List of Students who selected in various national and competitive examinations:

S.No	Year	GATE	GRE	TOFEL	PGCET
1.	2016	NIL	NIL	NIL	09
2.	2015	NIL			05
3.	2014	NIL	01	01	08
4.	2013	01	01	01	07

29. Student Progression:

S.No	Student Progression	2015 - 16
1.	UG to PG	13%
2.	PG to M.Phil	NIL
3.	Employed	29%
4.	Enterpreneurship/Self employment	NIL

30. Details of Infrastructural Facilities:

a) Library: (Department)

S.No	Total Number of books available
1.	546

b) Internet Facilities for Staff & Students:

1. Computer with Internet is available in the HOD room.

2. Faculty and Students use Internet facility with 10mbps speed in the staff room and Computer laboratories.

c) Class rooms with ICT Facility:

S.No	Room	Usage	Capacity	Rooms equipped with
	Description			
1	N-24	Seminar	200	Glass board,PC,LCD
		Hall		projector
2	Ground	Conference	30	PC and LCD projector
	Floor	Hall		

d) Laboratories:

S.No	Name of the Lab	No. of Students Accommodate
1.	C Lab	60
2.	CSE lab1	60
3.	CSE lab2	60
4.	Project lab	60
5.	JKC Lab	30
6.	Communication lab	30

31. Number of students receiving financial assistance from College, University, Government or Other agencies:

In this department total 189 students are getting financial assistance from Government of Andhrapradesh in the form of fees Reimbursement and Scholarships for the academic year 2015-16.

	Financial Assistance from Govt. of A.P			
Year	B.Tech	M.Tech		
I Year	58	01		
II Year	58	04		
III Year	19			
IV Year	49			
Total	184	05		

32. Details on student Enrichment programmes (special lectures/workshops/seminars) with External Experts:

S.No	Name of the Invitee &	Торіс	Academic
	Designation		Year
1.	Prof.Madhu Mutyam,	Layered Computer Design	2015-16
	Dept of CSE,IIT,Chennai		
2.	Prof.N.L.Saikumar,	Personality development and	2015-16
	IPE,Hyderabad	Positive Attitude	
3.	Sri. J.Satyanarayana,IT	Future Challenges in IT	2014-15
	Advisor,Govt. of AP.		
4.	Sri.Adapa Raja Suresh Kumar,		2014-15
	CEO,Synchroserve Global	Skill Development	
	Solutions Pvt.Ltd,Hyderabad.		
5.	Prof.K.Muralikrishna,		2014-15
	Dept.of Civil Engg.	Personality development	
	JNTUK,Kakinada.		
6.	Prof.Arun K.Pujari,Dean,		2014-15
	HCU,Hyderabad.	Big Data	
7.	Prof.S.Pallamsetty,		2014-15
	Dept.of CSE,AU,	Data warehouse	
	Visakhapatnam.		
8.	G.Venkata Ramesh,	ERP in RINL & Goal Setting	2013-14
	A.G.M,IT,RINL,Visakhapatnam		
9.	Dr.R.V.S.Subramanyam,NSTL,	Role of Young Engineers in	2013-14
	Visakhapatnam	research and development.	

10.	Sri.Satya Topalli,	An interaction Session on	2013-14
	Mahindra Satyam,Hyderabad	career in IT and how to	
		achieve it.	
11.	Sri.Viswanadham,	A seminar on IT industry and	2013-14
	Mahindra	its requirements.	
	satyam, Visakhapatnam		
12.	Sri.N.Rajesh,Group Head,	Mobile App Development &	2013-14
	Miracle Software Solutions,	Role of IT Telecommunication	
	Visakhapatnam.		
13.	Sri.Ravi Eswarapu,Head,	A Lecture on skill assessment	2012-13
	Mahindra Satyam,VITA	between industry and	
		academia.	
14.	Mr.Naresh,Symbiosis	Orientation program on	2012-13
		opportunities in IT and relative	
		Disciplines.	
15.	Sri.T.Rajeswara Rao,Head,	Development in public sector	2011-12
	IT department, Steel plant,	units.	
	Visakhapatnam.		

33. Teaching Methods Adopted to improve student learning:

- Classroom Teaching
- Chalk and talk
- OHP
- PPT
- Class tests
- Guest Lectures
- Practicals
- Group Discussions

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities:

Yearly Participants from the Department:

YEAR	No. of Students Participated
2015 - 16	25
2014 -15	30
2013 - 14	28

ACTIVITIES:

- Celebrate all National days.
- Social responsibility activities like:
 - Plantation in the college
 - Blood donation for needy
 - Our NSS Volunteers regularly participated in clean and green program.

AWARENESS PROGRAMS:

- AIDS
- COMMUNICABLE DISEASES
- PUBLIC HEALTH
- TRAUMA CARE
- DISASTER MANAGEMENT
- EMPOWERMENT OF GIRL CHILDS
- ROAD SAFETY PROGRAM BY POLICE DEPARTMENT
- R T I

35. SWOC analysis of the department and Future plans:

Strengths:

S.No	Strengths of the Department	
1.	Dedicated and committed faculty.	
2.	Good Laboratories.	
3.	Participation of both faculty and students	
	in various professional bodies activities	
	like CSI chapter.	

Weaknesses:

S.No	Weaknesses of the Department		
1.	Students are weak in		
	communication skills due to rural		
	background.		
2.	Faculty/Students publications are		
	relatively less.		

3.	Not able to attract top rankers of
	CET due to proximity.

Opportunities:

S.No	Opportunities of the department			
1.	8000 cr. Worth aluminum refinery			
	(AN RAK) which can provide			
	students to have their			
	internships/projects and			
	consultant programs.			
2.	1000 cr worth Food processing			
	unit at ramannapallem village			
	which is located 5km from the			
	college sanctioned by govt. of AP.			
3.	600 cr. Worth Brandix Appreal			
	situated at Atchuthapuram about			
	20km from the college.			
4.	Increase demand in IT and			
	Software companies.			

Challenges:

S.No	Challenges of the Department	
1.	To attract meritorious students.	
2.	Slow down in recruitment.	
3.	To transform an young non	
	serious mind to professional.	

Future plans:

- To encourage the faculty towards research and to obtain doctoral degree.
- > To motivate the students towards entrepreneurship.
- > To establish advanced laboratories for pursuing research.

Evaluation Report of the

DEPARTMENT OFELECTRICAL AND ELECTRONICS ENGINEERING

- 1. Name of the Department: ELECTRICAL AND ELECTRONICS ENGINEERING
- 2. Year of Establishment: 2001
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.)
 - UG : B.Tech Electrical & Electronics Engineering
 - PG : M.Tech Power Electronics
 - M.Tech Power Systems

4. Names of Interdisciplinary Courses and the Departments / Units Involved:

S.No	Interdisciplinary Courses Offered	Department
1	Managerial Economics & Financial Analysis	
	Management Science	
	Professional Ethics and Morals	MDA
	IPR and Patents	
2	Basic Electronics and Devices	
	Pulse & Digital Circuits	Electronics And
	Linear & Digital IC Applications	Communication
	Micro Processors & Micro Controllers	Engineering
	Electronic Devices & Circuits Lab	
	Micro Processors & Micro Controllers Lab	
3	Computer Programming	
	Computer Organization	Computer Science &
	UNIX & Shell Programming	Engineering
	C Programming Lab	Engineering
	IT Workshop	
4	Engineering Drawing	
	Engineering Mechanics	
	Thermal & Hydro Prime Movers	Mechanical Engineering
	Engineering Workshop	
	Thermal & Hydro Lab	

5. Annual/ Semester/ Choice based Credit System (Programme Wise)

- a) B.Tech (Electrical and Electronics Engineering) Semester Based Credit System
- b) M.Tech (Power Electronics) Semester Based

(Power Systems) – Semester Based

S.No	Programmes	Courses offered to other Departments	Subjects
1		Electronics &	Electrical Technology
		Communication	Network Analysis
	D Tooh	Engineering	Control Systems
	D. Iech		Networks & Electrical Technology Lab
2		Mechanical	Basic Electrical & Electronics Engineering
		Engineering	Basic Electrical & Electronics lab

6. Participation of the Department in the Courses offered to other Departments

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:

Teaching Post	2015-2016		
	Sanctioned	Filled	
Professors	2	2	
Associate Professors	4	4	
Assistant Professors	18	18	

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

S.N	Name	Qualification	Designation	Specialization
0				
1.	Dr.R V Amarnath	M.Tech,Ph.D	Professor	Power Systems
2.	M V RamanaMurty	M.E	Professor	Power Systems
3.	V VSatyanarayana Murthy	M.Tech	Associate Professor	Power Systems
4.	TSrinivasarao	M.Tech, (Ph.D)	Associate Professor	Power Systems
5.	D K A S Prasad	M.E	Associate Professor	Energy Management
6.	K DurgaRao	M.Tech	Associate Professor	Instrumentation & Control Systems

7.	P Anil Kumar	M.Tech	Assistant Professor	Power Electronics and Electrical Drives
8.	U Anjaiah	M.Tech	Assistant Professor	High Voltage Engineering
9.	S Sujatha Devi	M.Tech	Assistant Professor	Control systems
10	[.] G Raja SekharYadav	M.Tech	Assistant Professor	Power Electronics and Electrical Drives
11	[·] P Varahala Dora	M.Tech	Assistant Professor	Control Systems
12	⁻ R Bhargav	M.Tech	Assistant Professor	Instrumentation and Signal Processing
13	[·] K.TejeswaraRao	M.Tech	Assistant Professor	Power Systems and Automation
14	⁻ J N Rama Krishna	M.Tech	Assistant Professor	Power Electronics
15	[·] V.S,Aditya	M.E	Assistant Professor	Control Systems
16	B.Santhoshkumar	M.E	Assistant Professor	Control Systems
17	[•] S.Ravi Kumar	M.Tech	Assistant Professor	Power Electronics
18	[·] R Ganesh	M.Tech	Assistant Professor	Power Systems
19	[·] P.Siva	M.Tech	Assistant Professor	Power Electronics
20	[•] P.Sai Ram	M.Tech	Assistant Professor	Power Systems
21	P.Sravanthi	M.Tech	Assistant Professor	Power Electronics
22	· VRKB Pinnam Raju	M.Tech	Assistant Professor	Power Systems
23	[.] K Shiva Kumar	B.Tech	Assistant Professor	E.E.E
24	[.] SkSalima	B.Tech	Assistant Professor	E.E.E

11. List of Senior Visiting Faculty:

1	Prof. V .Bapiraju	Retd. Professor	AUCE,VSP
2	P.Maleswara Rao	Retd.professo r	Govt.Poltechnic, visakhapatnam
3	Prof P.Mallikarjuna Rao	Professor & Dean R&D	AUCE, VSP
4	Prof.K.Sivanagaraju	Professor	JNTUK
5	Dr.K.Ravindra	Associate Professor	JNTUK
6	Ch.V.V.S.Bhaskara Reddy	Professor	AUCE,VSP

- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil
- 13. Student Teacher Ratio (Programme Wise) UG : 15:1
 - PG : 12:1
- 14. Number of Academic Support Staff (Technical) and Administrative staff; sanctioned and filled

Teaching Post	2015-2016		
	Sanctioned	Filled	
Academic Support Staff(Technical)	5	5	
Administrative Staff	2	2	
Total	7	7	

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

Qualifications of Teaching Faculty	Number
Ph.D	1
M.Tech	21
B.Tech	2

- 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: Nil

18. Research Centre/ Facility recognized by the University: Nil 19. Publications (Last 4 Years)

Name of faculty	Publications				
	2011-12	2012-13	2013-14	2014-15	2015-16
T SRINIVASA RAO	0	2	4	3	5
K DURAGA RAO		1	2		
U ANJAIAH		1	1		2
P ANIL KUMAR			1		1
S.SUJATHA DEVI					1
G.RAJASEKHAR YADAV					1
R. BHARGAV					2
P.V. DORA					1
K.TejeswaraRao				2	2
M V RAMANA MURTY			1		

List of Publications:

S.No	Name of the	Title	Journal/ Conference	Date
	racuity	Fuzzy Logic Based Contingency Analysis	International Journal Of Electrical And Electronics Engineers	Vol. 8 issue 02, July-Dec 2016, pp 184-191
1.	T SrinivasaRao	Control of PET based on fuzzy logic for power quality improvement	International Journal Of Engineering Research And Application	ISSN 2248-9622 Vol.06,Issue 06, June 2016
		performance of DSTATCOM in conjunction with DG operation for Power Quality improvement	performance of DSTATCOM in njunction with DG peration for Power tality improvementInternational Journal Of Emerging Trends In Science And Technology	
		"Solving Electrical Power Flow Problems using Intervals Arithmetic"	International Journal of Engineering Research & Technology (IJERT)	Vol. 4 Issue 04, April-2015, 1327- 1331.
		"Interval Power Flow	American Journal For	ISSN: 2320 –

	-	
Analysis: An Overview",	Engineering Research (Ajer), Peer Reviewed	0847,Vol. 6, Issue 6, May-2015.
A Promising Method for Uncertain Load Flow Studies",	IEEE International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO) – 2015	ISSN :978-1-4799- 7678-2/15/2015 Date: 24 th -25 th January 2015, pp. 2405-2408.
Comparison between Interval and Fuzzy Load Flow Methods Considering Uncertainty"	ITSI Transactions on Electrical and Electronics Engineering (ITSI-TEEE)	ISSN: 2320 – 8945,Volume -2, 2014.
Comparison between Interval and Fuzzy Load Flow Methods Considering Uncertainty	International Conference on Electrical, Electronics and Computer Science (ICEECS-2014) Institute For Research and Development India (IRD India)	ISBN: 978-3-642- 24819-9, Volume III, Nagpur, India, 20-21 April, 2014.
A Novel Power Quality Improvement Technique Using Multi-Connected Distributed Power Flow Controller (MC- DPFC)	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (An ISO 3297: 2007 Certified Organization)	Vol. 2, Issue 10 October 2013
New Efficient Bridgeless Cuk Rectifiers for PFC Application on d.c machine	International Journal of Engineering Research and Development e-ISSN: 2278-067X, p- ISSN: 2278-800X, www.ijerd.com	Volume 9, Issue 1, PP. 15-21 November 2013
Integration of Matrix Converter with DTC of	International Journal of Advanced Research in Electrical,	(An ISO 3297: 2007 Certified Organization)

		Induction Motor Drive Applications	Electronics and Instrumentation Engineering	Vol. 2, Issue 10 October 2013
		Performance Evaluation of Isolated Wind/Hydro & PV Hybrid System for Standalone Power Generation	International Journal of Power System Operation and Energy Management,	Volume 4, Issue-2 May 2013
		High Performance of Matrix Converter Fed Induction Motor For IPF Compensation by Using New DSVM Method	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE	e-ISSN:2278- 1676, p- ISSN:2320-3331, Volume 8, Issue 5 Nov – Dec 2013
		A Current Control Method for SVM Based Voltage Source Inverter with LC Filter	International Journal of Electrical and Electronics Engineering(IJEEE),	ISSN(Print):2231- 5184 Volume 4, Issue-2 May 2013
		Interval Modified Fast Decoupled Method for Power Flow Studies	International Journal of Electrical Engineering Applications Research - IJEEAR.	J Vol 03, Issue 01; January -April 2012
2		New Efficient Bridgeless Cuk Rectifiers for PFC Application on D.C machine	International Journal of Engineering Research and Development e-ISSN: 2278-067X, p- ISSN: 2278-800X, www.ijerd.com	Volume 9, Issue 1, PP. 15-21 November 2013
	K DurgaRao	High Performance of Matrix Converter Fed Induction Motor For IPF Compensation by Using New DSVM Method	IOSR Journal of Electrical and Electronics Engineering(IOSR- JEEE),	e-ISSN: 2278-1676, ISSN:2320-3331, Volume 8, Issue 5 Nov – Dec 2013
		Fuzzy Logic Based Intelligent Controller Design For An Injection Mould Machine Processor Control	IJAEST,	Vol No. 10, Issue No. 1, 098 – 103 Aug-2012
3	U Anjayya	A closed loop speed control of PMSM drive using fuzzy	Imperial Journal Of Interdisciplinary Research	ISSN 2454-1362 Vol.02.Issue.06, April- 2016

		logic controller		
		Performance of DSTATCOM in conjunction with DG operation for Power Quality improvement	International Journal Of Emerging Trends In Science And Technology	ISSN 2348-9480 Vol.03,Issue.05, May- 2016
		Reduction of Torque and Ripple in direct torque control of induction motor	National conference on recent developing in electrical engineering(NCRDEE- 2013)	15 th – 16 th March 2013
		Integration of Matrix Converter with DTC of Induction Motor Drive Applications	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (An ISO 3297: 2007 Certified Organization)	Vol. 2, Issue 10 October 2013
4		Control of PET based on fuzzy logic for power quality improvement	International Journal Of Engineering Research And Application	ISSN 2248-9622 Vol.06,Issue 06, June 2016
	P Anil Kumar	Voltage Source Inverter/Converter for the Improvement of Power Quality using Fuzzy Logic Controller	International Journal of Engineering Research and Applications	(ISSN:2248-9622) Vol.4, Issue 5 May 2014
5	M V RamanaMurty	A Current Control Method for SVM Based Voltage Source Inverter with LC Filter	International Journal of Electrical and Electronics Engineering	ISSN(Print): 2231-5184 Volume 4, Issue-2 May 2013
6	S.Sujatha Devi	A decisive evaluation of reduced switch type three phase multi- level inverter fed asynchronous drive	International Journal Of Scientific Engineering And Technology Research	ISSN 2319-8885 Vol.05.Issue.09, April- 2016
7	G. Rajasekhar yadav	Realization of harmonic mitigation in 3-phase, 3-wire system by using fuzzy based shunt active filter	International Journal Of Scientific Engineering And Technology Research	ISSN 2319-8885 Vol.05.Issue.09, April- 2016
8	R. Bhargav	Analysis of stability problem in wind generator using STATCOM and STBR	International Journal Of Education And Applied Research	IJEAR Vol.6, Issue 1, Jan-March-2016
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		Fuzzy Logic Based Contingency Analysis	International Journal of Electrical and Electronics Engineers	Vol. 8 issue 02, July-Dec 2016, pp 184-191
9		A mixed model reduction method for the discrete time high- order systems	International Journal of Control Theory and Applications. (SCOPUS)	Volume:No.9(2016) Issue No. :39 (2016) Pages:15-18
	K.TejeswaraRa o	Anew method for order reduction of high order multi variable systems using modified routh approximationtechniq ue	International Journal ofControl Theory and Applications(SCOPUS)	Volume : No.9(2016) Issue No. :5 (2016) Pages : 2213-2220
		A novel approachfor order reduction of high order discrete time systemsusingmodified routhapproximation method via w-domain	The series <u>Advances in</u> <u>Intelligent Systems and</u> <u>Computing</u> of SPRINGER	Volume: 410 pp 21-27 Date: 09 December 2015
		Application of mihalov criterion for reduction of high order MIMO systems	International Journal ofApplied Engineering Research (SCOPUS).	Volume: 10, Number 23 (2015) pp.20740-20742
1 0	P.V. Dora	Unified power quality compensation scheme for power quality improvement using fuzzy controller with renewable energy system	International Journal of Scientific Engineering and Technology Research	ISSN 2319-8885 Vol.05.Issue.09, April- 2016

- 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
 - d) Professional Bodies :
- 22. Student Projects

S.N	Programme	Academi	% of in-house Projects	% of outside
0		c year		Projects
1	U.G	2008-12	60	40
	(B.Tech)	2009-13	93	7
		2010-14	66	34
		2011-15	85	15
2	P.G(M.Tech)	2011-13	100	Nil
		2012-14	100	Nil
		2013-15	100	Nil

23. Awards/ Recognitions received by students:

a) students:

S.No	Name of the student	Name of the Event	Name of the College	Awards/ Recognitions	Year
1	D.PRAGATHI	Resonance	AvanthiOrga nizations	III rd position	2012
2	D.PAVANI	Resonance	AvanthiOrga nizations	III rd position	2012
3	K.JAYARAM SANKAR	Resonance	AvanthiOrga nizations	III rd position	2012
4	P.PARASURAM	OMNIS	A.I.E.T	I st position	2013
5	G.SURESH	OMNIS	A.I.E.T	I st position	2013
6	M.V.V RAMA KRISHNA	OMNIS	A.I.E.T	Ist position	2013
7	B.VEERENDRA	OMNIS	A.I.E.T	IIst position	2013
8	K.VINOD KUMAR	OMNIS	A.I.E.T	IIst position	2013
9	D.BHARAT KUMAR	TECH- REPERIO	A.I.E.T	Ist position	2014
10	K.NAVYA	TECH- REPERIO	A.I.E.T	Ist position	2014
11	POOJA SHAME	TECH- REPERIO	A.I.E.T	IIst position	2014

12	DIKSHA SANJAY HAZARNIS	TECH- REPERIO	A.I.E.T	IIst position	2014
13	PoojaShome	PRERANA 2K16	A.I.E.T	IInd position	2016
14	Diksha Sanjay Hazarnis and V Venkata Padma	PRERANA 2K16	A.I.E.T	Ist position	2016
15	R Srinu K Manohar K SaiSrinivas K Ashok Kumar	PRERANA 2K16	A.I.E.T	Ist position	2016
16	K Chalapathi Rao B Ram Kumar K Dileep Kumar Reddy K Srinu	PRERANA 2K16	A.I.E.T	IInd position	2016

b) Student (Academic Toppers):

S.No	Name of the Student & Roll No	Year	Award
1	D.PAVANI (08811A0219)	2012	Gold Medal
2	LOV K PUNJABI (09811A0226)	2013	Gold Medal
3	KALURI SURESH KUMAR (10811A0224)	2014	Gold Medal
4	NARLAMAHANTHI AVINASH (12815A0208)	2015	Gold Medal
5	KALIMI CHALAPATHI RAO	2016	Gold Medal

c) Facultyachievements:

S.no	Name of the Faculty	year	Award
1	T.Srinivasa Rao	2012	Best teacher Award from JNTU,kakinada

24. List of eminent academicians and scientists/ visitors to the Department:

S.No	Academic Year	Name of the Academician/ Scientist	Designation	Organization
1	2010	Prof. V .Bapiraju	Member Board of Governers	AUCE,VSP
2		P. Trimurthulu	Scientist-F	NSTL
3		K.V.Rao	DGM(Elect)	NTPC
4		Prof U. Tataji	Vice-Chairman	APSCHE

5		N.Sudhakar	DGM(Elect)	VSP
6		B.M.Mohan	Dept. of EEE	IIT KGP
7		T. Ramesh	C.E.	APTRANSCO
8		G.Ravi Kumar	Scientist-F	NSTL
9		M.RamalingaRaju	HOD	JNTUK
1 0	2011	E. Kali Prasad	DGM(HOD of Electrical MMSM),	VSP
11		N. Prasad,	CGM,	APEPDCL
1 2	2012	Ch. Sai Babu,	Prof. elect, Director admissions	JNTUK
1 3	2012	P. MallikarjunaRao	Prof. EEE	AUCE
1 4		B. Murali Mohan	Dept of EE	IIT KGP
1 5	2013	N Prasad	CGM Projects & Quality Control	APEPDCL, Visakhapatnam
1 6		K BhimeswaraRao,	SE, TL & SS	APTRANSCO Visakhapatnam
1 7		G.Ravi Kumar	Scientist-F	NSTL
1 8	2014	K.SrinivasaRao	Deputy Engineer	AP Transco
1 9		Prof.Saisrinivas	Assoc. in IIT, Madras	IIT , Madras
2 0	2015	Dr.DeepakL.Waikar	Managing Partner	Edu Energy Consultants LLP, Singapore
2		Sri J.Satyanarayana,I.A.S	Adivisor IT	Govt.ofAndhraPradesh
2 2	2016	M. VenkataRatnam	Sc. H ,BARC,VSP	BARC,VSP
23	2010	Prof. Jayantha Pal	Professor in IIT Bhubaneswar	Professor in IIT Bhubaneswar

25. Seminars/ Conferences/ Workshops organized & the source of funding a) National

S.No	Academi c Year	Name of the Seminar/ Conference/ Workshop	Date(s)	Source of funding
1	2015-16	PRERANA 2K16	12 th ,13 th March	College

			2016	
2	2014-15	ANVESHANA 2K15	13&14 th Feb 2015	College
3	2013-14	CHATURA 2K14	4&5 th Apr,2014	College
4	2012-13	OMNIS 2K13	28 th Feb 2013	College
5	2011-12	E-QUBE 2K12	07 th Feb 2012	College
6	2010-11	ZAKTI 2K11	12 th March 2011	College

b) International :

S.No	Academi c Year	Name of the Seminar/ Conference/ Workshop	Date(s)	Source of funding
1	2014-15	Skill Development Workshop on Sustainable and clean energy technological & Resources	22&23 January 2015	College

26. Student Profile Programme/Course wise:

Academi	Name of	Application	Selected	Env	allad	Pass
c year	the Course/	s Received	(Number Ennelled/	Enr	oned	70
	Programm		A dmittad	Male	Femal	
	e		including		e	
			Lateral Entry)			
2012-13	B.Tech	60	<u>66</u>	55	11	81.81
	(EEE)					%
2013-14		60	67	56	11	73.43
						%
2014-15		60	61	58	13	70.68
						%
2015-16		60	58	52	6	61.12
						%
2012-13	M.Tech	18	17	13	4	76%
2013-14	(PE)	24	13	8	5	34%
2014-15		24	11	8	3	36%
2015-16		24	15	12	3	46.6%
2014-15	M.Tech		8	6	2	25%
2015-16	(PS)	18	12	10	2	41.6%

*Admissions are through EAMCET/PGECET/GATE counseling of AP State Govt.

27. Diversity of Students

Year of Admission	Name of the Course	% of Students from the Same State	% of Students from the other State	% of Students from abroad
2012-13	B.Tech	100		
2013-14	(EEE)	100		
2014-15		100		
2015-16		100		
2012-13	M.Tech	100		
2013-14	(PE)	100		
2014-15		100		
2015-16		100		
2014-15	M.Tech	100		
2015-16	(PS)	100		

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services, etc.,

Name of the					
Competitive	2011-12 2012-13 2013-14 2014-15				2015-2016
Examination					
GATE	2	3	2	1	1
PGECET	7	8	11	13	8
GRE	-	-	-	-	1

29. Student Progression

Student Progression for last 4-Years	Against % Enrolled
UG to PG	20
PG to M.Phil	NA
PG to Ph.D	2
Ph,D to Post-Doctoral	NA
EmployedCampus SelectionOther than Campus Recruitment	31 6
Entrepreneurship/ Self – Employment	5

30. Details of Infrastructural Facilities

a) Library:

No. of	No. of	No. of	No. of	No. of Print
Titles	Volumes	Computers	E- Journals	Journals
		30	01	04

b) Department Library:

No. of	No. of
Titles	Volumes
120	200

c) Internet facilities for Staff & Students:

20 Mbps broad band leased line from BSNL

d) Class rooms with ICT facility:

S.No	Room Description	Usage	Shared/Exclusive?	Capacity	Rooms equipped with
1	N-24	Seminar Hall	Exclusive	200	Glass board, PC, LCD projector
2	Ground Floor	Conference Hall	Exclusive	30	PC and LCD projector
3	MB 31	Class room	Exclusive	60	Glass board, laptop, LCD projector

e) Laboratories:

S.No	Name of the Laboratory	Area (Sq. Mts)
1.	Electrical Machines – I,II	153.4sqm,
2.	Power Electronics/Control Systems Lab	93.5 sqm
3.	Power Systems	66.7 sqm
4.	Electrical Circuits/ Electrical Measurements Lab	93.5 sqm
5.	Electrical Simulation/Project Lab	75.92 sqm

Curriculum Labs:

S.No	Name of the Laboratory	Branch	Physical Lab

1	Electrical Circuits Lab	EEE,ECE	Electrical Circuits/ Electrical Measurements Lab
2	Electrical Machines-I	EEE	Electrical Machines – I,II
3	Electrical Machines-II	EEE	Electrical Machines – I,II
4	Electrical Technology	ECE	Electrical Machines – I,II
5	Basic Electrical Engineering Lab	MECH	Electrical Machines – I,II
6	Electrical Measurements Lab	EEE	Electrical Circuits/ Electrical Measurements Lab
7	Control Systems Lab	EEE	Power Electronics/Control Systems Lab
8	Power Electronics Lab	EEE	Power Electronics/Control Systems Lab
9	Power Systems Lab	EEE	Power Systems
10	Electrical Simulation Lab	EEE	Electrical Simulation/Project Lab
11	Project LAb	EEE	Electrical Simulation/Project Lab

31. Number of students receiving financial assistance from college, university, government or other agencies

a) B.Tech

Agency	No. of Students received financial assistance				
	2013-14	2014-15	2015-16		
Government	143	173	182		

b) M.Tech

Agency	No. of Students received financial assistance				
	2013-14 2014-15 2015-16				
Government	14	24	42		

32. Details on student enrichment programmes (Special Lecture/ Workshops/ Seminars) with External Experts

S.No	Year	Title of the Programme	Name of the	Date(s)
			Academician/	
			Scientist	
		Lecture on "AN INTRODUCTION	Prof. V .Bapıraju	25/02/2010
1		TO NEURAL NETWORKS & ITS	AUCE,vsp	27/03/2010
		APPLICATIONS"	D. Tuimerether 1	
2		CONTROL SYSTEMS TO	P. Irimurthulu Scientist E	27/02/2010
		LINDER WATER VEHICLES"	NSTI	27/03/2010
		UNDER WATER VEHICLES	K VRao	
3		Lecture on "POWER OULITY"	DGM(Electrical)	27/03/2010
			NTPC	21/03/2010
		DEDSONALITY DEVELOPMENT	Prof U. Tataji	
4		& CHARACTER BUILDING	Vice chairman	27/03/2010
	2010 to 2011		APSCHE	
			N Sudhakar	
5		Lecture on "BASICS IN POWER	DGM(Electrical)	27/03/2010
		ELECTRONICS"	VSP	
		Lecture on "AN OVER VIEW OF	D M Mohan	
6		INDIAN POWER SECTOR AND	B.M.Monan Dept of EEE	28/09/2010
0		POWER DISTRIBUTION		20/09/2010
		AUTOMATION"		
			TDAMESH	
7		Lecture on "CHALLENGES OF	Г.КАМЕЗП С Е	28/09/2010
/		POWER SYSTEM ENGINEER"	APTRANSCO	28/09/2010
		Lecture on "ACTIVE AND	M.Ramalinga	
8		REACTIVE POWERS,	Raju	12/03/2011
0		EXCITATION SYSTEMS AND	HOD	12/03/2011
		POWER SYSTEM STABILIZER"	JNTUK	
		Lecture on "CONTROL OF	G RAVI KUMAR	
9		SYSTEMS WITH FLEXIBLE	Scientist-F	12/03/2011
	2011 – 2012	MODES"	INSIL	
	2011 2012		N.Prasad	
10		Lecture on "EHV	CGM	12/02/2011
10		TRANSMISSION"	APEPDCL	12/03/2011
11		Lastura on "AC & DC DDWES"	E.Kalı Prasad	12/02/2011
		Lecture on AC & DC DRIVES	VCD	12/03/2011
12	2012 - 2013	Lecture on "TRANSFORMERS"	Ch.Sai BABU	07/02/2012
13		CONSTRUCTION, TESTING	Professor	,,,, <u>_</u> ,_,,,,

			EEE Dept,JNTUK	
		AND FAILURES"		
14		Lecture on "ADVANCED CONTROL SYSTEMS"	Dr.P.Mallikarjunar ao Professor EEE Dept,A.U	07/02/2012
15		Lecture on "FUZZY APPLICATIONS IN POWER SYSTEMS"	B.Muralimohan Dept. of EEE IIT KGP	05/03/2012
16		Lecture on "Quality Assessments"	N.Prasad	12/08/2013
17	2013 - 2014	Lecture on "Mechanical Design of Overhead Lines & Sub-Stations	k.Bhimeswara Rao SE APTRANSCO	21/10/2013
18	2014- 2015	Sustainable and clean Energy Technologies and Resources	Dr.DeepakL.Waik ar M.D Edu energy consultants singapore	22 and 23 rd January 2015
19	2015- 2016	Delivered lecture on "Model order reduction and Genetic Algorithm"	Prof.Jayantha Pal IIT Bhuvaneswar	12-13 th March, 2016
20	2015- 2016	Delivered lecture on "Overhead Transmission Systems"	M.VenkataRatnam Scientist-H BARC	12-13 th March, 2016

33. Teaching Methods adopted to improve student learning

- Class Monitoring Committees
- Guest Lectures by Academicians & Industrial Experts
- Distribution of Course Handouts
- Effective student counseling
- Maintenance of course files
- Special coaching classes for GATE/ competitive examination for students by the expertise faculty members of our department and experts from outside are conducted.
- Remedial classes are being conducted to slow learners for improving their academic performance
- Providing digital library for the students
- Apart from this we are following the teaching methods to improve the students learning: Lecture Method (Chalk and Talk) E-Learning
 - Small Group Discussions
 - Seminars

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: STUDENTS PARTICIPATION IN SOCIAL RESPONSIBILITIES YEARLY PARTICIPANTS FROM THE DEPARTMENT:

YEAR	NO. OF STUDENTS
2015 - 2016	15
2014 - 2015	10
2013 - 2014	10
2012 - 2013	15

ACTIVITIES:

- 1 National Day(s) Celebrations.
- 2 Social Responsibility Activities
 - ➢ Go Green Activity through plantation
 - Blood Donation
 - ▶ Visiting Hospitals & Interacting with patients and distribution of nutritious food.

AWARENESS PROGRAMS on:

- 1 AIDs
- 2 Communicable Diseases
- 3 Personal Local Public Health
- 4 Trauma Care
- 5 Disaster Management
- 6 Empowerment Of Girl Childs
- 7 R T I
- 8 Campus Cleanliness & Sanitation
- 9 Medical Camps.

TherewasarallybyNSSUnitincollaborationwithAvanthiGroupofcollegesatbeach road protestingagainsta gangrape ofMiss.Nirbhaya @ 23-12-2012



Campuscleaning:NSSVolunteersregularlycleanthecampusunderthebannerCleanand Green.

35. SWOT analysis of the Department and Future Plans

Strengths:

- Well qualified and Committed Industry experienced faculty and faculty from IIT's and prestigious universities.
- Focused approach for the career development of students and skill based learning.
- Systematic monitoring of teaching learning process
- Good Team Spirit among faculty resulting in knowledge sharing and enhancing research abilities.

Weaknesses:

- Lack of industrial research and consultancy
- Poor Communication skills of students
- Not able attract good rankers due to proximity

Opportunities:

- To enter into MOUs with reputed academic and industrial organizations like NSTL, ANRAK.
- 8000 crore worth project AluminumRefinery (**ANRAK**) situated about 10Km about 2000 employees and 200 MW generation unit can utilize service of the department for obtaining Degree/Diploma. To provide more industry relationship with department by taking real time industry based project, plant visits and about 400 engineers working in the organization can help us in promoting Quality education and faculty can be promote to consultancy work.
- 1000 crore worth **Food processing plant** at Ramapalem by Govt. of Andhra Pradesh can accommodate electrical engineering graduates of the department.



Challenges:

- To transform and motivating students having poor attitude behavior and talent can finally made them to fit with industry needs.
- Retention of faculty

Future Plans

- To encourage the faculty towards research and to obtain doctoraldegree.
- To establish advanced and industry oriented laboratories.
- To establish center for excellence in one or more thrust areas of Electrical Engineering
- To achieve 70% placements among eligible candidates through campus selections.

Evaluation report of the Department of Mechanical Engineering

- 1. Name of the department: Mechanical Engineering
- 2. Year of Establishment: 2004
- 3. Names of Programmes / Courses offered: UG: B.Tech- Mechanical Engineering

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

S.No.	Year/	Name of the Course	Name of the
	Sem		Department
1	I/ I	C-Programming	CSE
2	I /I	C-Programming Lab	CSE
3	I/II	Professional Ethics and Human Values	MBA
4	I/II	IT Work shop	CSE
5	II/I	Basic Electronics & Electrical Engineering	EEE
6	II/I	Basic Electronics & Electrical Engineering Lab	EEE
7	II/I	Managerial Economics & Financial Analysis	MBA
8	III/I	IPR& Patents	MBA
8	III/II	Interactive computer graphics	CSE

The department Interdisciplinary courses are as follows

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

B.Tech semester based credit system with electives

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

The department Interdisciplinary courses are as follows

S.No.	Year/Sem	Name of the Course	Name of the Department
1	I/ I, II	Engineering Drawing	ECE,EEE,CSE
2	I /I, II	Engineering Workshop	ECE,EEE,CSE
3	I/II	Engineering Mechanics	ECE,EEE,CSE
4	II/I	Thermal & Hydro Prime Movers	EEE
5	II/I	Thermal & Hydro Lab	EEE

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

8. Details of Courses/ Programmes discontinued (if any) with reasons: Nil

9. Number of Teaching posts Sanctioned

Designation	Sanctioned	Filled
Professors	02	02
Associate Professors	08	08
Asst. Professors	36	36
Total	46	46

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

S.		Qualificati	Designati	Specialization	No. of
No	Name	on	on		Years of
					Experience
1	Dr R UMA MAHESWARA RAO	M.E Ph.D	Professor	Industrial Engg	10
2	Dr. T VENKATESWARA RAO	M.E Ph.D	Professor	Industrial Engg	10
3	A RAM MOHAN RAO	M.E	Assoc. Prof	Industrial Engg.	12
4	B RAMESH	M.E (Ph.D)	Assoc. Prof	HTES	7
5	V HARI KIRAN	M.Tech	Assoc. Prof	CAD/CAM	7
6	S SUBRAMANYAM	M.Tech	Assoc. Prof	CAD/CAM	10
7	N PRAKASH KUMAR	M.Tech	Assoc. Prof	AMS	7
8	G MANGAMMA	M.E	Assoc. Prof	Industrial Engg.	7
9	K NAGA RAJU	M.Tech	Assoc. Prof	Machine Design	5
10	B T NAGA LAKSHMI	M.Tech	Assoc. Prof	CAD/CAM	6
11	S RAVI TEJA	M.Tech	Asst. Prof	Thermal Engg.	1
12	M UJWALA	M.Tech	Asst. Prof	Thermal Engg.	1
13	G S M REDDY	M.Tech	Asst. Prof	Heat Power Eng.	2
14	V VENKAYYA NAIDU	M.Tech	Asst. Prof	Aerospace Engg.	3
15	K KRISHNA	M.Tech	Asst. Prof	Machine Design	1
16	V SUMA PRIYA	M.Tech	Asst. Prof	Machine Design.	1
17	S GANESH	M.Tech	Asst. Prof	Mech. Engg	2
18	P SADHANA	M.Tech	Asst. Prof	Mech. Engg	3
19	D TRINADH	M.Tech	Asst. Prof	Mech. Engg	2
20	CH PHANINDER	M.Tech	Asst. Prof	Industrial Engg.	1
21	A PREM KUMAR	M.Tech	Asst. Prof	Machine Design	1
22	M S NAIDU	B.Tech	Asst. Prof	Mech. Engg	3
23	B NILEESH	B.Tech	Asst. Prof	Mech. Engg.	6
24	A N S SURYA PRAKASH	B.Tech	Asst. Prof	Mech. Engg	2
25	P ANUSHA	B.Tech	Asst. Prof	Mech. Engg	3
26	V KANAKA VARDHINI	B.Tech	Asst. Prof	Mech. Engg	3
27	M ESWAR TEJA	B.Tech	Asst. Prof	Mech. Engg	2
28	A PRADEEP KUMAR	B.Tech	Asst. Prof	Mech. Engg	3
29	P RAMA KRISHNA	B.Tech	Asst. Prof	Mech. Engg	3
30	N BHAVANI SHANKAR	B.Tech	Asst. Prof	Mech. Engg	1
31	K USHA RANI	B.Tech	Asst. Prof	Mech. Engg	3
32	K JYOTHI RANI	B.Tech	Asst. Prof	Mech. Engg	3
33	K V N S RAMA KRISHNA	B.Tech	Asst. Prof	Mech. Engg	3
34	S SWATHI	B.Tech	Asst. Prof	Mech. Engg	2
35	G SIVA RAM	B.Tech	Asst. Prof	Mech. Engg.	1
36	P RAMU NAIDU	B.Tech	Asst. Prof	Mech. Engg	3

37	T G SUDHEER KUMAR	B.Tech	Asst. Prof	Mech. Engg	3
38	S ANUSHA	B.Tech	Asst. Prof	Mech. Engg	2
39	LVAMSI KRISHNA	B.Tech	Asst. Prof	Mech. Engg	2
40	G MOHANA RAO	B.Tech	Asst. Prof	Mech. Engg	1
41	M SANJAY	B.Tech	Asst. Prof	Mech. Engg	1
42	K ASHWINI	B.Tech	Asst. Prof	Mech. Engg	2
43	CH RAMESH	B.Tech	Asst. Prof	Mech. Engg	3
44	R RAMU	B.Tech	Asst. Prof	Mech. Engg	1
45	L RAJASEKHAR	B.Tech	Asst. Prof	Mech. Engg	1
46	V KRISHNA	B.Tech	Asst. Prof	Mech. Engg	3

- 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: 15:1

14. Number of academic support staff (technical) and administrative staff and filled:

The academic support staff (technical) and administrative and filled are listed below:

Staff Designation	Sanctioned	Filled
Academic Support Staff (Technical)	6	6
Administrative	2	2
Total	8	8

15. Qualifications of teaching faculty with DSc/D.Litt/PhD/M.Phil/PG:

The department consists of faculties with Professional degrees related to the field of Engineering

Ph.D – 02; M.Tech – 19; B.Tech: 25

16. Number of faculty with ongoing projects a) National b) International: 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

- Number of publications listed in International Database (for E.g.: Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.): Nil
- Monographs: Nil
- Chapters in Books: Nil

- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers:

Aced.	Student	Faculty	Student/Faculty	Total Publications
YEAR	Publications	Publications	Publications	
2013-14	Nil	Nil	Nil	Nil
2014-15	02	01	00	3
2015-16	02	02	05	9
2016-17	00	01	01	02 (till date)

Number of papers published in reviewed journals (National/ International):

• Student Publications: 2014-15

S.			Name of the Conference/
No	Name	Name of the Topic	Publication/ Year
1	Summet Kumar S	Generation of	International conference on emerging
	Dubey	electricity through	trends in engineering
		atmosphere	Research/22.3.2015/ ISBN:978-15-
			086565-24
2	Abhishek Kumar	A design of emission	IRD INDIA / Vol:3/Issue:3/2015/
		less engine	ISSN:2321-5747

• Faculty/Student Publications:2014-15

S.			Name of the Conference/
No	Name	Name of the Topic	Publication/ Year
1	Summet Kumar S	Breaking of carbon	National Conference on Safety
	Dubey (S),	dioxide using ultra	Environment and industrial applied
	B Ramesh(F)	violet rays	science & Technology, Anna
			University, Chennai, Tamil Nadu-2015.

• Faculty Publications: 2015-16

S. N o.	Name	Name of the Topic	Name of the Conference/ Publication/ Year
1	G.B M Krishna	A New Design Of Wagon Tippler	International Journal of Modern Engineering Research/ ISSN: 2249-6645. 2 nd National conference on developments, advances & trends in engineering science [NC-DATES2K16] PGNO.81- 84

2	V Hari Kiran,	Comparision of emissions by pure	International Journal of
	S Ravi Teja,	diesel with catalytic convertor and	Innovative Research in
	S Ganesh	pure diesel without catalytic	Technology-January 2016
		convertor on single cylinder Di-	Vol 2/ ISSUE 8/ISSN:2349-
		Diesel engine usinf five gas analyser	6002

• Student Publications: 2015-16

S. No	Name	Name of the Topic	Name of the Conference/ Publication/ Year
1	D Teja	Retardation of jet palnes on	SS International of
		warships by using	multidisplinary Research/
		capillarity	ISSN:2395-7965/v-2/i-
			6/2015/27-29
2	Mandeep Kaur, L	Fabrication of vertical car	International Journal of
	Prasad, G Chandra	parking system- A Prototype	Innovative Research in
	Sekhar		Technology-April 2016
			Vol 2/ ISSUE 11/ISSN:2349-
			6002

• Faculty/Student Publications:2015-16

S.	Name	Name of the Topic	Name of the Conference/ Publication/ Year
No			
1	V.Hari	Performance improvement and	International Journal of
	Kiran(F),	wastage elimination in Thermal	Innovative Research in
	L Babuba(S),	Power Plant	Technology-April 2016
	L Suraj(S)		Vol 2/ ISSUE 11/ISSN:2349-
			6002
2	Saroj Kumar	Impact test analysis on a 2- wheeler	International Journal of
	Biswal(S), S M	helmet using 3D modeling and	Innovative Research in
	Sharukh rias	analyzing software for two different	Technology-April 2016
	(S), K Krishna	materials	Vol 2/ ISSUE 11/ISSN:2349-
	(F),		6002
3	V.Hari	Fan Performance and utilization of	International Journal of
	Kiran(F),	Compressed air in Thermal Power	Innovative Research in
	K.Uday(S),	Plant	Technology-April 2016
	M.Praveen(S)		Vol 2/ ISSUE 11/ISSN:2349-
			6002
4	S.Raviteja(S),	Performance and Emission	International Journal of
	Biswas	Investigation on Single Cylinder DI-	Innovative Research in
	Kumar(S),	Diesel Engine with catalytic	Technology-April 2016

	Shahbaaz (S)	converter using Bio-Diesel	Vol 2/ ISSUE 11/ISSN:2349-
			6002
5	R Kishore (S),	Reducing the defects rate by the	International Journal of
	S Saidu (S), V	implementation	Innovative Research in
	Hari Kiran (F),	of six sigma technique at led-bulbs	Technology-May- 2016
	S Ganesh (F)	manufacturing company	Vol 2/ ISSUE 12/ ISSN:2349-
			6002

• Faculty Publications 2016-17

S.			Name of the Conference/
No	Name	Name of the Topic	Publication/Year
1	S Ganesh	Implementation of lean six	International Journal of
		sigma Techniques in or at	Innovative Research in
		LED bulbs manufacturing	Technology-July 2016
		company and any small	Vol 3/ ISSUE 2/ISSN:2349-
		scale industries to improve	6002
		working standards	

• Faculty/Student Publications:2016-17

S.			Name of the Conference/
No	Name	Name of the Topic	Publication/Year
1	Ch Bhagavan Naidu (S),	Design and Analysis of	International Journal of
	Palleti Sadhana	Innovative Seating System	Innovative Research in
		for safety purpose in	Technology-July 2016
		automobiles	Vol 3/ ISSUE 1/ISSN:2349-
			6002

- Citation Index: Nil
- **SNIP:** Nil
- SJR: Nil
- Impact factor: 2 TO 2.5
- **H-index:** Nil

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

- a) National committees: Nil
- b) International Committees: Nil
- c) Editorial Board: Nil
- d) Professional body membership:

Sl. No	Name of the faculty	Name of the professional body
1	V Hari Kiran	ISTE-LIFE MEMBER
2	S Ravi Teja	ISTE-LIFE MEMBER

- 22. Student projects for the academic year 2015-16
 - a) Percentage of students who have done in-house projects including inter departmental/programme : 75%
 - **b)** Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 25%
- 23. Awards / Recognitions received by faculty and students
 - Faculty achievements: Faculty secured more than 90% are appreciated with certificate.
 - Student achievements:

Sn. No	Name of the Student	Event Name/Year	Secured	Venue
1	Saroj Kumar Biswal	The HINDU-Inter college challenge-2014/Debat	Participated	MVGR college of Engg., Vizianagaram
2	Summet Kumar Dubey	AVISHKAR-2K15/2015/ Paper Presentation	Second	AIET, Makavarapalen
3	Summet Kumar Dubey	TECH REPARIO/2014/Paper Presentation	First	AIET, Makavarapalen
4	Summet Kumar Dubey	Mechania/2014/ Paper Presentation	First	Miracle, Bhogapuram
5	Summet Kumar Dubey	RPCORP/2014/ INTERNATIONAL CONFERENCE	Participated	ICREEE, Vijayawada
6	Summet Kumar Dubey	UMANG-2K15/2015/PPT	First	AIET, Bhogapuram
7	Biswas Kumar	UMANG-2K15/2015 /Paper Presentation	First	AIET, Bhogapuram
8	Summet Kumar Dubey	NCEIAST/2015/National Confernce/ Paper Presentation	participated	Ana University, Chennai
9	Summet Kumar Dubey	UMANG-2K15/2015 /PPT	First	AIET, Bhogapuram
10	Biswas Kumar	The HINDU-Inter college challenge-2014/Debat	Participated	MVGR college of Engg., Vizianagaram
11	Summet Kumar Dubey	Ibrant/2015/	Participated	DIET, Anakapalle
12	Summet Kumar Dubey	ELECTRIKOTSAV/201PPT	First	Viet, Visakhapatnam
13	Summet Kumar Dubey	Eastern Power Distribution company of A.P Ltd./A.P.ROOFTOP SOLAR/2015	First	Viswa Priya Function Hall/Visakhapatnam
14	Summet Kumar Dubey	UMANG-2K15/2015/Paper	First	AIET, Bhogapuram

		Presentation		
15	Biswas Kumar	Mechania/2015/ Paper Presentation	Second	Miracle, Bhogapuram
16	Shahabaz Khan	Mechania/2015/ Paper Presentation	First	Miracle, Bhogapuram
17	Abhishek Kumar Singh	AVISHKAR-2K15/2015/ Paper Presentation	Second	AIET, Makavarapalen
18	Saroj kumar biswal	UMANG-2K15/2015/Paper Presentation	Participated	AIET, Bhogapuram
19	Saroj kumar biswal	AVALUZION/2014/ Essay Writing	Participated	AIET, Bhogapuram
20	Dadi Teja	Techtronoics/2015/Paper presentation	Second	WISTAM, Visakhapatnam
21	Saroj kumar biswal	Mechania/2015/ Paper Presentation	second	Miracle, Bhogapuram
22	Dadi Teja	ELECTRIKOTSAV/2015/PPT	First	Viet, Visakhapatnam
23	Dadi Teja	UMANG-2K15/2015/Paper Presentation	Second	AIET, Bhogapuram
24	Saroj kumar biswal	Chaitanyam/2015	Second	Chaitanya Engg. College, Visakhapatnam
25	Saroj kumar biswal	AVISHKAR-2K15/2015/ Paper Presentation	First	AIET, Makavarapalen
26	K Sampath Santosh	ELECTRIKOTSAV/2015/PPT	First	Viet, Visakhapatnam
27	Abhishek Kumar Singh	TECH REPARIO/2014/Paper Presentation	First	AIET, Makavarapalen
28	Saroj kumar biswal	TECH REPARIO/2014/Quiz	First	AIET, Makavarapalen
29	Sumeet Kumar Dubey	AVALUZION/2014/ Quiz	Participated	AIET, Bhogapuram
30	Biswas Kumar	AVISHKAR-2K15/2015/JAM	First	AIET, Makavarapalen
31	Sumeet Kumar Dubey	AVALUZION/2014/ Essay Writing	Participated	AIET, Bhogapuram
32	Biswas Kumar	AVALUZION/2014/ Essay Writing	Participated	AIET, Bhogapuram
33	Biswas Kumar	AVALUZION/2014/ Quiz	Participated	AIET, Bhogapuram
34	Biswas Kumar	TECH REPARIO/2014/Quiz	Second	AIET, Makavarapalen
35	Biswas Kumar	AVISHKAR-2K15/2015/Paper Presentation	First	AIET, Makavarapalen
36	Saroj kumar biswal	AVISHKAR-2K15/2015/ Quiz	Participated	AIET, Makavarapalen
37	Sumeet Kumar Dubey	A.P Pollution Control Board/2015/Essay Writing	Participated	Visakhapatnam
38	S Naveen	Techzion/Fox Hunt/2014	First	NIT/Warangal
39	K Sampath Santosh	Torque/2014/Texhibit	Participated	JNTU, Kakinada
40	K Sampath Santosh	Torque/2014/Treasure Hunt	First	JNTU, Kakinada
41	D Teja	AVALUZION/2014/ Debate	first	AIET, Bhogapuram
42	K Sampath Santosh	Vivaan/2105/Spot Event	Participated	GVPCOE/ Visakhapatnam
43	K Sampath Santosh	Vivaan/2105/Treasure Hune	First	GVPCOE/ Visakhapatnam
44	Sumeet Kumar Dubey	AVISHKAR-2K15/2015//Poster presentation	Second	AIET, Makavarapalen
45	Abhishek Kumar Singh	AVISHKAR-2K15/2015/Poster presentation	Second	AIET, Makavarapalen
46	D Teja	Yantrik/2015/Poster and Paper Presentation	Participated	KL University, Vijayawada
47	D Teja	Vitsastra/2015/Poster	First	VITS, Vishakapatnam
				-

		Presentation		
48	S Naveen	Techzion/2014/Robo Circuit	Participated	NIT, Warangal
49	R Anil Kumar	Techzion/2014/Autonomous	Participated	NIT, Warangal
		Robotics		
50	Shahabaz Khan	Techzion/2014/Autonomous	Participated	NIT, Warangal
		Robotics		
51	A.Siva Ram, Ch Poorna	Prerana/2016/Project Expo	First	AIET
	Теја			
52	Sumeet Kumar Dubey	DAE-BRNSsymposium	Poster	BARC, Mumbai
		condensed matter physics under		
		extreme conditions (CoMPEC-		
		2016) April 13-16,2016		

Sports Achievements (Students)

Sn. No	Name of the Student	Event Name/Year	Secured	Venue
1	G Murali	Boxing 2014-15	Participated	LPU,Punjab
2	G Murali	5000mts Running,2014	Silver	JNTU, Kakinada
3	G Murali	Boxing 2014-15	Silver	Suvarnabhoomi stadium, Visakhapatnam
4	G Murali	3 Kms Running,2015	First	Vignan, Visakhapatnam
5	G Murali	Boxing 2014-15	Gold	Lanka Grounds , Visakhapatnam
6	P Chaitanya Prabhu	Physique Men Championship, 2014	First	Chirala Engineering College, Chirala

24. List of eminent academicians and scientists / visitors to the department

- R Santosh Kumar, Research Engineer, ISUZI India Pvt. Ltd, Chennai.
- L S Rao, Vice-Preident, An-Rak Aluminum Limited, Visakhapatnam.
- N Hanumanth Reddy, Scientist, NSTL, Visakhapatnam.
- B V R Gupta, Professor, Former Dean, Andhra University, Waltair.

25. Seminars/ Conferences/Workshops organized & the source of funding a) National b) International Technical Symposium c) Funded by institute

National Technical Symposium:

Name of the programme	Туре	Year
Prerana	National Level Technical symposium	2016
Avishkar	National Level Technical symposium	2015
Tech Repario	National Level Technical symposium	2014

Workshops:

Name of the programme	Туре	Year
Make A Robo	National Level Workshop	2015

Seminars:

Торіс	Resource person	Duration	Participants
Personality Development and Skill	Dr. K V S G Murali Krishna	1 day	IV- Mech
development	Professor of civil Enginering	-	
	JNT University Kakinada		
Solar Energy & Renewable	Prof. K Srinivas Reddy	1 day	IV- Mech
Management	Department of Mechanical		
	Engineering		
	IIT-Chennai		
Mechanical Applications in Power	Mr. K Ajay	1 day	III, IV- Mech
Plant	Assoc. Vice-President		
	An-Rak Aluminim Limited		
Industrial Opportunities and HRM	ties and HRM Mr. L.S Rao		IV- Mech
	Vice- President	-	
	An-Rak Aluminim Limited		
Industrial Skill development	Mr. R. santosh Kumar	1 day	IV- Mech
	Research Engineer, ISUZI	-	
Non Destructive Testing	Praveen Babu, MD, SVNDT	1 day	IV- Mech

26. Student profile programme/course wise:

Academic Year	Applications		Enro	olled	Passed	Pass percentage
	received	Selected	*M	*F	i usseu	
2015-16	210	210	206	4	150	69%
2014-15	134	134	128	6	91	67
201115	151	151	120		<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	07
2013-14	70	70	57	13	58	83
2012-13	66	66	55	11	47	71
2011-12	61	61	51	10	53	86

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States
B.Tech 2016 Admitted	98%	2%

B.Tech 2015 Admitted	98%	2%
B.Tech 2014 Admitted	98%	2%
B.Tech 2013 Admitted	99%	1%
B.Tech 2012 Admitted	95%	5%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S.No	Academic Year	Name of the Exam	Qualified
1	2012-13	GATE	01
2	2013-14	PGECET	03
4	2014-15	PGECET	02
5	2015-16	GATE	02
6	2015-16	PGECET	09
7	2015-16	ICET	03

29. Student progression of academic year 2015-16

Student progression	Against % enrolled
UG to PG	7%
 Employed Campus selection Other than campus recruitment 	20% 18%

30. Details of Infrastructural facilities

Library:

Central Library:

S.No.	No. of Titles	No. of Volumes	No. of Journals/ Techincal Magazines
1	1134	5218	National 12; International 06

Department Library:

S.No.	No. of Titles	No. of Volumes
1	152	198

S. Internet facilities for Staff & Students: Yes,

- Computer with internet are available in the HOD room.
- Faculty and students use internet facility in CAD lab facility Bandwidth 20 Mbps speed and Service Provider-BSNL
- S. Class rooms with ICT facility: 01

S. Laboratories:

S. No	Name of the Laboratory	Area (sq.m)
1	Engineering Workshop	160
2	Mechanics of Solids & Metallurgy Lab	132
3	Production Technology Lab	150
4	Fluid Mechanics and Hydraulics lab	132
5	Machine Tools lab	132
6	Metrology & Instrumentation Lab	132
7	Thermal Engineering Lab	132
8	Heat Transfer Lab	132
9	Simulation Lab/ Project Lab	150

31. Number of students receiving financial assistance from college, university, government or other agencies

S. No	Academic Year	Type of Scholarship	No. of students Availed
1	2016-17	State Government	505
2	2015-16	State Government	509
3	2014-15	State Government	439
4	2013-14	State Government	348

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Special Guest Lectures:

S.	Name	Qualification	Designation	Subjects
No				
1	B.V.R. Gupta	Ph.D	Former Prosessor,	Kinematics and Machinery,
			Andhra University	Dynamics of Machinery
2	N .Suman	Ph.D	Prosessor, Andhra	Mechanics of Solids,
			University	Engineering Mechanics
3	K Durga Prasad	Ph.D	Prosessor,	Refrigration & Air
			GVPCOE,	conditioning,
			Visakhapatnam.	Thermodynamics

Workshops:

S.	Module	Any other	Duration	Resource	Participation
No	Description	contributory		person	

		industry/institut			
		e			
1	Work Shop	Academy Of	2 days	Mr. Srikanth	84
		robotics			

Seminars:

S.No	Торіс	Resource person	Duration	Participants
1	Personality Development	Dr. K V S G Murali Krishna	1 day	IV- Mech
	and Skill development	Professor of civil Enginering		
		JNT University Kakinada		
2	Solar Energy & Renewable	K Srinivas Reddy	1 day	IV- Mech
	Management	Department of Mechanical		
		Engineering		
		IIT-Chennai		
3	Industrial Opportunities	L.S Rao	1 day	IV- Mech
	and HRM	Vice- President		
		An-Rak Aluminim Limited		
4	Industrial Skill	R. santosh Kumar	1 day	IV- Mech
	development	Research Engineer, ISUZI		
5	Material Management.	K.Naga Raju	1 day	IV- Mech
		Vice- President		
		An-Rak Aluminim Limited		
6	Heat Transfer And Thermal	Prof. M.Bangaru Babu	1 day	IV- Mech
	Engineering-Applications	NIT Warangal		
	In Industry & Project			
	Management.			
7	Teaching Methodologies	Prof. L.Saikumar, IPE,	1 day	IV- Mech
		Hyderabad		

33. Teaching methods adopted to improve student learning

S.No	Delivery method
1	Chalk & Talk
2	Internet
3	OHP/LCD Projectors
4	Video Lectures
5	Tutorials
6	Assignments
7	Group Discussions
8	Student Demonstrations
9	Quiz
10	Project Models/ Proto types
11	Industrial Visits
12	Guest lecturers/ Seminars/work Shops

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

S.No	Name Of the Programme	No.Of Participants	Venue	Date
1	Swach Bharat	85	Narayana Raju Peta	Sep-2015
2	Blood donation camp	72	Rotary Club	Every year
3	Serving remote area schools for their needs (Optimistics)	90	Makavarapalem	Every Year Aug/Jan
4	Voter Enrollment Programmes	200	Our College	2014
5	Traffic Awareness	200	Our College	Sep-2014
6	Anti Ragging programmes	300	Our College	Every Year Aug
7	NSS	50	Serving the people Hud-Hud, Natural Disasters Etc.,	Oct-2014
8	Engineers Day	350	Our College	Every year sep 15 th
9	Teachers Day	400	Our College	Every year sep 5 th
10	Eamcet /Icet/Ecet/Polycet counseling Awareness Programme	More than 300	Narsipatnam	Every Year July Before the counseling



OPTIMISTS MEET



DONATING



NSS

ANTI RAGGING



ENGINEERS DAY CELEBRATIONS



EAMCET/ECET COUNCELLING AWARNESS



WORKSHOP



INDUSTRIAL SEMINAR



INDUSTRIAL VISIT AT ANRAK



SEMINAR BY IIT-M PROFESSOR

35. SWOC analysis of the department and Future plans

Strengths

- Able to attract and uplift local youth
- Experienced Faculty members
- Peaceful environment from pollution
- Good industries for the visits, Project Works, internships, industrial interaction with nearby industries like Hindustan Shipyard limited, BHEL, Visakhapatnam Steel Plant, An-Rak..,

Weakness

- Students are weak in communication due to rural background.
- Faculty/student publications are relatively less.
- Not able to attract top rankers of CET due to proximity.

Opportunities

- An-Rak-6000 cr. Aluminum Refinery 10kms. For college which can provide Mechanical Engineers to have Industrial Visits, Internships, Project Works, Industrial interactive Seminars.
- Food Processing unit- 650 cr sanctioned by Government of Andhra Pradesh at Ramannapalem village next to college can accommodate graduated students from the department.
- **Brandix-** 600cr apparel MNC Project situated at Atcyutapuram situated at 32kms nearby to college could help us in promoting Projects, Placements and Industrial Visits
- Increasing demand for Mechanical Engineering.

Challenges

• Inview of slowdown in Recruitment process by industries.

- Retaining of senior faculty due to several opportunities upcoming colleges are near to the city.
- To transform an young non serious mind into talented professionals.

Future Plans:

- To improve results.
- To initiate R&D Extension the centre of learning.
- To enhance the qualification of the faculty towards Research and to obtain Doctorial degree.
- To establish advanced Laboratories for pursuing research.

EVALUATION REPORT OF DEPARTMENT OF MANAGEMENT STUDIES

- 1. Name of the Department: Department of Management Studies
- 2. Year of Establishment: 2006
- 3. Name of Programmes/ Courses offered: Master of Business Administration
- 4. Name of Interdisciplinary courses: IT-Lab –Ms Office, DBMS- CSE department
- 5. Annual/Semester/choice based credit system (programme wise): Semester system
- 6. Participation of the department in the courses offered by other departments:

S.No	Name of the	Semester	Name of the Department
1.	MEFA	II-I & III-I	B.Tech
2.	MS	II-II & IV-II	B.Tech
3.	OR	III-II	B.Tech - MECH
3.	IPR&P	III-II,	B.Tech
4.	PE&M	II	B.Tech

- 7. Courses in collaboration with other Universities, Industries, Foreign Institutions, etc.: No
- 8. Details of courses/programmes discontinued (if any) with reasons:

Nil

9. Number of Teaching Posts Sanctioned

	Sanctioned	Filled
Professor	1	1
Associate Professor	3	3
Assistant Professor	13	13

Name	Qualification	Designation	Specialization	No.of years Experience	No.of Ph.D students guided in last 4years
Dr. M. Jyothi	MBA	Professor	Marketing/HR	2 yrs Teaching	N/A
V Sai Prasanth	MBA, PGDBM	Assoc. Professor	Marketing/HR	9yrs Industry, 5yrs Teaching	N/A
S.Sreenivas	M.Com, MBA	Assoc. Professor	Finance	10yrs Industry, 7yrs Teaching	N/A
U V Chandersheka r	M.Com, MBA	Assoc. Professor	Finance/Marketin g	12 yrs Teaching	N/A
A Adi Laxmi	MBA	Asst.Professo r	Finance/Marketin g	9 yrs Teaching	N/A
K Nooki Naidu	MBA	Asst.Professo r	Finance/Marketin g	6 yrs Teaching	N/A
R Satyanarayana	MBA	Asst.Professo r	Finance/Marketin g	2 yrs Industry, 5yrs Teaching	N/A
V K Vaikunta Rao	MBA	Asst.Professo r	Finance/Marketin g	5 yrs Teaching	N/A
L Krishna Veni	MBA	Asst.Professo r	HR/Marketing	5 yrs Teaching	N/A
Ch Kavitha	MBA	Asst.Professo r	Finance/Marketin g	4 yrs Teaching	N/A
E.Roopa	MBA	Asst.Professo r	Finance/Marketin g	5yrs Teaching	N/A
G Vara Eswara Bhaskar	MBA	Asst.Professo r	Marketing	4yrs Teaching	N/A
K Phanindar	MBA	Asst.Professo r	Finance/Marketin g	4yrs Teaching	N/A

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

K Kishore Kumar	MBA	Asst.Professo r	Finance/Marketin g	4yrs Teaching	N/A
P Krishna	MBA	Asst.Professo r	Finance/Marketin g	4yrs Teaching	N/A
Ch.Murali Krishna	MBA	Asst.Professo r	HR/Marketing	4 yrs Teaching	N/A
P Sekar Babu	MBA	Asst. Professor	HR/Marketing	2 yrs Teaching	N/A

- **11. List of Senior visting Faculty** Nil
- 12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: Nill
- 13. Student Teacher Ratio (programme wise): 15:1

14. Number of academic support staff (technical) and administrative staff and filled:

	Sanctioned	Filled
Administrative	1	1
Technical	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. MBA : 16

3 Faculty pursuing Ph.D

S.NO	NAME	SPECIALISATION	UNIVERSITY
1	V SAI PRASANTH	MARKETING	GITAM UNIVERSITY,
			VISAKHAPATNAM
2	S.SREENIVAS	HUMAN	ANDHRA UNIVERSITY,
		RESOURCE	VISAKHAPATNAM
		MANAGEMENT	

- 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nill
- 17. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total grants received: Nill
- 18. Research Centre /facility recognized by the University: Nill

19. Publications: Communicated

S.No	Name of the	Number of papers	Name of the	Academic Year
	faculty	published	journal	

1	V Sai Prasanth	1	J.C.M.R	2016-17
			international	
			journal.	
2	V Sai Prasanth	1	The Open	2016-17
			Access Journal	
			Limited	
			(theojal.com)	

20. Areas of consultancy and income generated: nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards.... Nil

22. Student projects:

- a. Percentage of students who have done in-house projects including inter departmental/programme: Nil
- **b.** Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 100%

S.N O	Name	Reg no	Торіс	Company Name	SUPERVISOR
1	A.TULASIMANI	13811E0001	WORKING CAPITAL MANAGE MENT	CHODAVARAM CO-OPERATIVE SUGARS LTD.GOVADA, VISAKHAPATNAM.	S.SREENIVAS
2	A.V.SATYANARAYANA	13811E0002	WELFARE MEASURE S	THE ETIKOPPAKA CO- OPERATIVE AGRICULTURAL &INDUSTRIAL SOCIETY LTD, ETICOPPAKA, VSP.	T.GOPI
3	B.SANYASI SETTY	13811E0004	EQUITIES vs MUTUAL FUNDS	EDELWEISS BROKING LTD., VISAKHAPATNAM.	E.ROOPA
4	C.RAVINDRABABU	13811E0005	PERFORM ANCE APPRISAL	SUJANA METAL PRODUCTS LTD. VISAKHAPATNAM	L. KRISHNAVEN I
5	CH.DEVI	13811E0006	PERFORM ANCE APPRISAL	RASHTRIYA ISPAT NIGAM LTD., VISAKHAPATNAM	T.GOPI
6	C.ANOOJA DEVI	13811E0007	INVENTO RY MANAGE MENT	RASHTRIYA ISPAT NIGAM LTD., VISAKHAPATNAM	K.NOOKI NAIDU
7	D.SIMHACHALAM NAIDU	13811E0008	CAPITAL BUDGETI NG	CHODAVARAM CO-OPERATIVE SUGARS LTD.GOVADA,VISAKHAPATNA M.	K.SANTHOSH KUMAR

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		1201150000	ANCE	NTPC LTD., SIMHADRI,	KRISHNAVEN
8	D.A.RAMYA SUDHA	13811E0009	APPRISAL	VISAKHAPAINAM	
			MENT		
			AND		
			SELECTIO	IDUPULAPADU COTTON MILL	
9	D.KASIM VALI	13811E0012	N	PVT. LTD. GANAPAVARAM	T.GOPI
			INVENTO		
			MANAGE	SUGARS LTD	
10	G.GAYATHRI	13811E0013	MENT	PAYAKARAOPETA,VSP.	E.ROOPA
				ΤΗΕ ΕΤΙΚΟΡΡΑΚΑ CO-	
				OPERATIVE AGRICULTURAL	
			RATIO	&INDUSTRIAL SOCIETY LTD,	K.NOOKI
11	K.LOVA RAJU	13811E0014	ANALYSIS	ETICOPPAKA, VSP.	NAIDU
			WORKERS		
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			MANAGE	NTPC LTD., SIMHADRI,	KRISHNAVEN
12	K.PRAVALLIKA	13811E0015	MENT	VISAKHAPATNAM	Ι
			PERFORM		
			ANCE	TIRUMALA MILK PRODUCTS	
13	K.NAGESWARARAO	13811E0016	APPRISAL	PVT. LTD., NELLORE	T.GOPI
			ACTIVITIE		
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			BENEFICI		L.
14	IZ CIWANAN	1201150017	ARY	BRANDIX APPAREL INDIA PVT.	KRISHNAVEN
14	K.5WAMY	13811E0017	5CHEMES	LID. VISAKHAPAINAM	
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			WELFARE		
1.5	V CAVATIDI	12011E0010	MEASURE	NTPC LTD., SIMHADRI,	TCON
15	Κ.ΟΑΤΑΙΠΚΙ	13811E0018	5 FINANCIA	VISAKNAPAINAW	1.00P1
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			STATEME		
16	V MUREOU	12011E0010	NT	RASHTRIYA ISPAT NIGAM LTD.,	C ODEENIMAC
10	R.MURESH	13011E0019	TRAINING	VISANTAFAINAM	5.5KEENIVAS
			AND		
			DEVELOP	RASHTRIYA ISPAT NIGAM LTD.,	
17	M.SOUJANYA	13811E0022	MENT	VISAKHAPATNAM	T.GOPI
				COROMANDEL	
10		1201150024	RATIO	INTERNATIONAL	C ODEENWAR
18	M.CHANDKA SEKHAK	13811E0024	WORKING	LID.VISAKHAPAINAM.	5.5KEENIVAS
			CAPITAL		
			MANAGE	RASHTRIYA ISPAT NIGAM LTD.,	
19	M.NAVEEN KUMAR	13811E0025	MENT	VISAKHAPATNAM	S.SREENIVAS
				ТНЕ ЕТІКОРРАКА СО-	
			PERFORM	OPERATIVE AGRICULTURAL	L.
20		1201150027	ANCE	&INDUSTRIAL SOCIETY LTD,	KRISHNAVEN
	K.NAKESH KUMAK	13811E0026	APPRISAL	ETICOPPAKA, VSP.	1

			HUMAN		
			E		
			TRAINING AND		
21	N.N.VASANTHA SRAVANI	13811E0027	DEVELOP MENT	EDELWEISS BROKING LTD., VISAKHAPATNAM	V.SAI PRASANTH
21		1501120027	RATIO	RASHTRIYA ISPAT NIGAM LTD.,	K.NOOKI
22	O.PUJA SIRISHA	13811E0028	ANALYSIS	VISAKHAPATNAM	NAIDU
23	P.RAJA SEKHAR	13811E0029	RATIO ANALYSIS	ITC., LTD., GUNTUR	K.SANTHOSH KUMAR
			WORKING CAPITAL	THANDVA CO-OPERATIVE	
			MANAGE	SUGARS LTD.,	
24	P.MURALI KRISHNA	13811E0030	MENT	PAYAKARAOPETA, VSP.	E.ROOPA
				CHODAVARAM CO-OPERATIVE	
25	D MANU MICANANI ATU	12011E0022	RATIO	LTD.GOVADA,VISAKHAPATNA	CODEENINAC
	P.VANI VISWANATH	13811E0032	TRAINING		5.5KEENIVA5
			AND DEVELOP	LS L STAIN LESS LTD	L. Krishnaven
26	P.RAMA KRISHNA	13811E0034	MENT	KOTHAVALASA.	I
			INVENTO RY	THE ETIKOPPAKA CO- OPERATIVE AGRICULTURAL	
		1201150025	MANAGE	&INDUSTRIAL SOCIETY LTD,	E BOORA
27	P.KAJESH	13811E0035	MENI	ETICOPPAKA, VSP.	E.ROOPA
			PERFORM	SRI VIJAYA VISAKHA MILK	
28	PGEEHA RANI	13811E0036	ANCE	PRODUCERS COMPANY LTD., VISAKHAPATNAM	K.SANTHOSH
20		1501120050	PERFORM		
29	R.LAKSHMI NARAYANA	13811E0037	ANCE APPRISAL	UNIPARTS INDIA LTD.AP SEZ, ATCHUTHAPURAM.	V.SAI PRASANTH
			WELFARE	LINIDADTS INDIA I TO AD SEZ	VSAL
30	S. SAI SANJANA	13811E0038	S S	ATCHUTHAPURAM.	PRASANTH
			RECRUIT MENT	CHODAVARAM CO-OPERATIVE	
			AND	SUGARS	K CANTHOCH
31	S.PRAVEEN KUMAR	13811E0039	N SELECTIO	M.	KUMAR
				THE ETIKOPPAKA CO-	
			RATIO	&INDUSTRIAL SOCIETY LTD,	K.NOOKI
32	S.VENKATA RAMANA	13811E0040	ANALYSIS CAPITAL	ETICOPPAKA, VSP.	NAIDU
22		12011E0041	STRUCTU	J.S.L STAIN LESS LTD.,	K.SANTHOSH
35	ο.καјυ βάβυ	13611E0041	WORKDIC	KUINAVALASA.	NUMAK
			CAPITAL		
34	SK.MABHU SUBHANI	13811E0043	MANAGE MENT	KCP SUGARS AND INDUSTRIES CORPORATION LTDVUYYURU	E.ROOPA
			WORKING		
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			CAPITAL	OPERATIVE AGRICULTURAL	
			MANAGE	&INDUSTRIAL SOCIETY LTD,	K.NOOKI
35	S.SANTHI	13811E0044	MENT	ETICOPPAKA, VSP.	NAIDU
			MUTUAL		
			FUNDS		
			PERFORM	EDELWEISS BROKING LTD.,	
36	S.BALAJI	13811E0045	ANCE	VISAKHAPATNAM.	S.SREENIVAS
				THANDVA CO-OPERATIVE	
			RATIO	SUGARS LTD.	
37	T.RAMESH	13811E0048	ANALYSIS	PAYAKARAOPETA, VSP.	E.ROOPA

23. Awards / Recognitions received by faculty and students:

SNO	NAME OF THE	EVENT	INSTITUTE	YEAR	PRIZE
	STUDENT				
1	G Naga Jyothi/S Vivek	Finanace Quiz	A.I.E.T MANTRA 2K16	2016	II
2	S Nikitha	Paper Presentation	Samata College	2015	II
3	G Naga Jyothi/S Vivek	Paper Presentation	Samata College	2015	II
4	S Naidu/ T Bharati	Business Quiz	BABA College	2014	III
5	A Sri Vidya	JAM	BABA College	2014	II
6	A Anooja Devi	Paper Presentation	Samata College	2013	III
7	K Swamy	Group Disscussion	Samata College	2013	III
8	R.Tanuja/ Sudhir	Business Quiz ASTHRA- 12	Pydah College of Engineering and Technology	2012	II
9	M.Swathi	Paper Presentation ASTHRA- 12	Pydah College of Engineering and Technology	2012	II
10	R.Sudheer Kumar	Group Disscussion ASTHRA-	Pydah College of Engineering	2012	II

	12	and Technology		
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24. List of eminent academicians and scientists / visitors to the department:

S.no	Year	Name	Designation	Organisation
1	2012	P Srinivas	Asst.Manager	Edelweiss Broking Ltd
2	2012	Dhanujaya K	Entrepreneur	Owasis Lifts
3	2013	Sai Shankar Y	Zonal Manager	Sundaram Finance
3	2013	K Narayana Rao	Chief Administrative Oficer	NSTL Visakhapatnam
4	2014	S Murali Krishna	Senior Manager- South	Reliance Life Insurance. Visakhapatnam
5	2014	P Srinivas	Asst.Manager	Edelweiss Broking Ltd
6	2015	Jagdish Pragada	Senior Vice President Marketing	Budding Leaf Infratech Pvt Ltd, Hyderabad.
7	2015	T.Gopi	HR manager	Biomax Pvt Ltd. Visakhapatnam.

25. Seminars/Conferences/ Workshops organized & the source of funding a) National b) International

S.No	Event	National/Internationa	Funding Source	Year
		<u> </u>		
1	MANTRA 2K16	National	College/Sponsors	2016
	One day			
	Management			
	Event			
2	A Seminar on HR			
	Trends in Global			
	Scenario	National	College	2015
3	A Seminar on			
	Marketing	National	College	2015
	Challenges in			
	Banking			
4	Akiya 2k14, one			
	day Management			
	event	National	College/Sponsors	2014

5	A Seminar on			
	Portfolio			
	Management	National	College	2014
6	Akiyatha 2k13			
	One day	National	College	2013
	Management			
	Event			
7	Suprayoga 2k12	National	College	2012
	One day			
	Management			
	Event			

26. Student profile programme/course wise:

Name of the Course/programme	Application s Received	Applications Enrolled	Male	Female	Pass Percentage
2012-14	49	49	40	9	98%
2013-15	48	48	32	16	98%
2014-16	83	83	64	19	72%
2015-17	72	72	54	18	Awaiting

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
PG (2015 admitted)	100%	Nil	Nil
PG (2016 admitted)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:

NIL **29. Student progression**

Student progression	Against %	Against %	Against %
	enrolled 2011-	enrolled 2012-	enrolled 2013-
	13	14	15
UG to PG	N/A	N/A	N/A
PG to M. Phil.	Nil	Nil	Nil
PG to Ph.D.	Nil	Nil	Nil
Ph.D. to Post-Doctoral	Nil	Nil	Nil
Employed	30%	35%	35%
Campus selection			
• Other than campus	2%	5%	15% round (20-
recruitment			30)
Entrepreneurship/Self-	3%	2%	3%
employment			

30. Details of Infrastructural facilities

a) Library: Yes

b) Internet facilities for Staff & Students: 20Mbps

c) Class rooms with ICT facility:

S.No	Room	Usage	Shared/Exclusiv	Capacity	Rooms equipped with
	Description		e		
1	N-24	Seminar	Exclusive	200	Glass board, PC, LCD
		Hall			projector
2	Ground	Conference	Exclusive	30	PC and LCD projector
	Floor	Hall			

d) Lab: Computer lab for IT-Lab

31. Number of students receiving financial assistance from college, university, Government or other agencies

Agency	No. of students received financial assistance					
	2012-14 2013-15 2014-16 2015-17					
College			2	2		
Government	49	48	83	70		

31. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts

S.No.	Topic	Name of the	Designat	Firm	Year
		Invitee	ion		
1	What	Sri P	CMD	RINL Visakhapatnam	2015-16
	industries	Madhusudan	Steel		
	demanding?		Plant		
2	Ragging free	Ch. Srikanth	D.I.G	Police Depatment	2015-16
	Professional		Vizag		
	colleges		Range		
3	HR Trends in	P Mani	GM HR	Aurobindo Pharma	2015-16

	Global	Prasad	Manager		
	Scenario				
4	Marketing	S Ravi	Chief	Kotak Mahindra	
	Challenges in		Managre		
	Banking		r		
5	HR role in the	T.Gopi	HR	Biomax Pvt Ltd.	2014-15
	industry & its		manager	Visakhapatnam.	
	impact				
6	Role of	Jagdish	Senior	Budding Leaf Infratech	2014-15
	Marketing &	Pragada	Vice	Pvt Ltd, Hyderabad.	
	its importance		President		
			Marketin		
			g		
7	Lecture on	P Srinivas	Branch	Edelweiss	2013-14
	Portfolio		Manager	Broking Limited	
	Management				

33. Teaching methods adopted to improve student learning through:

- Chalk & Talk
- PPT and audio/Video sessions
- Tutorial classes and class tests
- Remedial classes for slow learners
- ✤ Assignments
- ✤ Internal assessment
- Seminar by the students
- Workshops and guest lecturers
- ✤ Industrial Visits.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Blood donation Camps (DATA MBA)
- ✤ World AIDS Day Rally
- Clean and Green programme
- ✤ Nirbhaya Rally
- ✤ Voter enrollement awareness Programme
- Pulse polio Programme
- Free eye Check up camps

35. SWOT analysis of the department and Future plans

Strengths

- Qualified and Dedicated faculty and supporting technical staff.
- ✤ Excellent regional reputation.
- Excellent academic results & campus placement.
- ✤ Good library facility for students and staff.
- ✤ Good learning atmosphere.

Weaknesses

- Number of PhD's
- Students and faculty publications are relatively less.
- Students learning levels are low due to rural background
- ◆ Faculty with limited industrial and research experience.

Opportunities

100 Cr. Company (BRANDIX-APPERALS) provides internships and subsequently providing employment in the company as per their needs.

Challenges

- Less number of Management Education aspiring students
- Delay in admissions due to government policies.
- Students inclination towards city based colleges
- ✤ Attracting meritorious students
- Transforming non serious young minds to professionals

Future Plans

- ✤ To initiate mini projects to provide market awareness to the students.
- ♦ A special focus on students to reduce MTI in their language.
- ✤ To make students aware of software skills required for a Manager.
- ✤ To encourage the faculty towards research & Doctoral degree.

Ph. 23236351, 23232701, 23237721 23234116, 23235733, 23232317 23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges) UGC Website: <u>www.ugc.ac.in</u>

F. No. 8-271/2013 (CPP-I/C)

The Registrar, Jawaharlal Nehru Technological University Kakinada – 533 003 Andhra Pradesh

ज्ञात-विज्ञात विमुक्तये SPEED POST विश्वविद्यालय अनुदान आयोग बहादुरशाह जफर मार्ग नई दिल्ली-110 002 UNIVERSITY GRANTS COMMISSION BAHADURSHAH ZAFAR MARG NEW DELHI-110 002

3 0 SEP 2013

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. nil dated 12.07.2013 received from the Principal, Avanthi Institute of Engineering and Technology, Tamaram, Makavarapalem, Narsipatnam, Visakhapatnam Dist. – 531 113, 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, Kakinada**. 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		
Avanthi Institute of Engineering and Technology, Tamaram, Makavarapalem, Narsipatnam, Visakhapatnam Dist. – 531 113, Andhra Pradesh.	1999	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,

(P.K. Sharma) Under Secretary

Copy to:-

1. The Principal, Avanthi Institute of Engineering and Technology, Tamaram, Makavarapalem, Narsipatnam, Visakhapatnam Dist. – 531 113, Andhra Pradesh.

- 2. The Secretary, Government of India, Ministry of Human Resource Development, Department of 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).
- 4. 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).
- 5. Publication Officer (UGC-Website), New Delhi.
- 6. Section Officer (FD-III Section), UGC, New Delhi.
- 7. Guard file.

(P.K. Sharma)

Under Secretary



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/1-2813229462/2016/EOA

Date: 25-Apr-2016

To,

The Principal Secretary (Higher Education) Govt. of Andhra Pradesh, J Block, 4th Floor, Secretariat Building, Hyderabad-500022

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	South-Central	Application Id	1-2813229462
Name of the Institute	AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY	Permanent Id	1-6296166
Name of the Society/Trust	AVANTHI EDUCATIONAL SOCIETY	Institute Address	TAMARAM VILLAGE, MAKAVARAPALEM MANDAL, NARSIPATNAM REVENUE DIVISION, VISAKHAPATNAM DIST., VISAKHAPATNAM DIST, VISHAKHAPATNAM, Andhra Pradesh, 531113
Institute Type	Unaided - Private	Society/Trust Address	8-2-293/82/F-II/A-12, PLOT NO.12, FILM NAGAR, JUBILEE HILLS, HAKEEMPET, HYDERABAD,HYDERABAD,HYDERABAD,Andhra Pradesh,500034

Opted for change from	No	Opted for change of	No	Opted for change of	No
Women to Co-ed and		name		site	
Vice versa					
Change from Women to	Not Applicable	Change of name	Not Applicable	Change of site	Not Applicable
Co-ed approved and		Approved		Approved	
Vice versa					

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1 Program	-2813229	Level	Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PIO / FN / Gulf quota Approval status	Foreign Collaborarion/Twining Program Approval status
ENGINEERIN	1st Shift	POS T	COMPUTER SCIENCE AND	FULL TIME	Jawaharlal Nehru	24	24	NA	NA	NA

Application Number: 1-2813229462 Note: This is a Computer generated Report.No signature is required. Page 1 of 4 Letter Printed On:28 April 2016

Printed By : AE4964281



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

G AND TECHNOLO GY		GRA DUA TE	ENGINEERING		Technological University, Kakinada					
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	DIGITAL ELECTRONICS AND COMMUNICATI ON SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	POWER ELECTRONICS	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	24	24	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	POWER SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	VLSI DESIGN	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	AGRICULTURA L ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	60	60	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	CIVIL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	0	60	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	180	180	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	60	60	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	ELECTRONICS & COMMUNICATI ON ENGG	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	180	180	NA	NA	NA
	1st	UND	MECHANICAL	FULL	Jawaharlal	180	180	NA	NA	NA

Application Number: 1-2813229462 Note: This is a Computer generated Report.No signature is required. Page 2 of 4 Letter Printed On:28 April 2016

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ENGINEERIN G AND TECHNOLO GY	Shift	ER GRA DUA TE	ENGINEERING	TIME	Nehru Technological University, Kakinada					
ENGINEERIN G AND TECHNOLO GY	2nd Shift	DIPL OMA	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	State Board of Technical Education, SBTET, Andhra Pradesh	60	60	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	2nd Shift	DIPL OMA	ELECTRONICS & COMMUNICATI ON ENGG	FULL TIME	State Board of Technical Education, SBTET, Andhra Pradesh	60	60	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	2nd Shift	DIPL OMA	MECHANICAL ENGINEERING	FULL TIME	State Board of Technical Education, SBTET, Andhra Pradesh	60	60	NA	NA	NA
MANAGEME NT	1st Shift	POS T GRA DUA TE	MASTERS IN BUSINESS ADMINISTRATI ON	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	NA	NA	NA

The above mentioned approval is subject to the condition that AVANTHI INSTITUTE OF ENGINEERING & 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.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant Vice - Chairman, AICTE

Copy to:

1. The Regional Officer, All India Council for Technical Education First Floor, old BICARD Building

Application Number: 1-2813229462 Note: This is a Computer generated Report.No signature is required.

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Page 3 of 4 Letter Printed On:28 April 2016



All India Council for Technical Education (A Statutory body under Ministry of HRD, <u>Govt. of India</u>)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Jawaharlal Nehru Technological University Masab Tank, Hyderabad-500076

- 2. The Director Of Technical Education, Andhra Pradesh
- 3. The Registrar, State Board of Technical Education, SBTET, Andhra Pradesh
- 4. The Principal / Director, AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY TAMARAM VILLAGE, MAKAVARAPALEM MANDAL, NARSIPATNAM REVENUE DIVISION, VISAKHAPATNAM DIST., VISAKHAPATNAM DIST,VISHAKHAPATNAM, Andhra Pradesh,531113

The Secretary / Chairman, AVANTHI EDUCATIONAL SOCIETY 8-2-293/82/F-II/A-12, PLOT NO.12, FILM NAGAR, JUBILEE HILLS, HAKEEMPET, HYDERABAD,

6. Guard File(AICTE)

HYDERABAD, HYDERABAD, Andhra Pradesh, 500034 Grams:"TECHNOLOGY' Email: registrar@jntuk.edu.in



Phone: 0884-2300900 Fax: 0884-2300901

PROCEEDINGS OF THE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA-533 003. ANDHRA PRADESH (India)

(Established by Andhra Pradesh Act No.30 of 2008)

Proc.No. DAP/B1/Affi/Avanthi IET/2015

Date: 5.1.2016

- Sub: JNTU Kakinada Academics & Planning Grant of Permanent Affiliation from the academic year 2015-16 to "Avanthi Institute of Engineering & Technology, Narsipatnam Revenue Division, Visakhapatnam District, Andhra Pradesh – Orders – Issued.
- Read: 1. AICTE Lr. F.No. South Central/1-2453892942/2015/EOA, Corrigendum -1, dated 26.05.2015.
 - 2. Univ. Proc. No. DAP/B1/Affiliation/FFC/2014,dated 27-05-2015.
 - 3. Note orders dated 5.01.2016 of the Hon'ble Vice-Chancellor, JNTUK.

ORDER:

- 1. The "Avanthi Institute of Engineering & Technology, Narsipatnam Revenue Division, Visakhapatnam District, Andhra Pradesh" was given Permanent affiliation for running UG/PG courses for three Years from the academic year 2015-16.
- The AICTE, New Delhi has accorded extension of approval to the above college for the academic year 2015-16 vide ref. (1) read above. The University has constituted a Fact Finding Committee to verify the staff and infrastructure facilities of the college to consider the grant of Permanent affiliation from the academic year 2015-16 vide Procs.
 (2) Read above. The Fact Finding Committee has visited the college and submitted its report to the University and the same was placed before the University Standing Committee. The Standing Committee has verified the report of the Fact Finding Committee and other documents and made recommendations for Permanent affiliation from the academic year 2015-16.
- 3. Under the circumstances as stated above, the Vice-Chancellor, JNTUK Kakinada is pleased to grant **Permanent Affiliation** to "Avanthi Institute of Engineering & Technology, Narsipatnam Revenue Division, Visakhapatnam District, Andhra Pradesh" sponsored by "Avanthi Educational Society, Filim Nagar, Hyderabad" to offer UG/PG Courses in the following disciplines with the intake shown against each for the period of **Three Years** from the Academic Year 2015 16 as detailed below:

S. No	Name of the Course	Intake
1	Computer Science & Engineering	180
2	Agricultural Engineering	60
3	Electronics & Communication Engineering	180
4	Electrical & Electronics Engineering	60
5	Mechanical Engineering	180
6	M. Tech – Digital Electronics & Communication Systems	18
7	MBA	120

Contd.....2p



8	M. Tech - Computer Science & Engineering	24
9	M. Tech – Power Systems	18
10	M. Tech – Power Electronics	24
11	M.Tech – VLSI Design	18

The Permanent Affiliation shall be subject to the following conditions:

- The Management shall follow the norms of AICTE and rules of the affiliation of JNT University Kakinada in all aspects.
- 2. The Management shall follow the Academic Regulations and examination schedule of JNT University Kakinada.
- 3. During the period of Permanent Affiliation, the College needs to submit annual report along with Affiliation fee. During the period of Permanent Affiliation the College is exempted from the payment of Application & Inspection fee.
- 4. The University can withdraw the Permanent Affiliation at any time, if the College does not satisfy the standards and norms of the University for Affiliation.

REGISTRAR

To

The Principal,

Avanthi Institute of Engineering & Technology,

Narsipatnam Revenue Division,

Visakhapatnam District, Andhra Pradesh.

Copy to:

The Chairman/Secretary, Avanthi Educational Society, Filim Nagar, Hyderabad. The Principal Secretary to Government Higher Education (EC.2) Dept., Govt. of Andhra Pradesh, Secretariat, Hyderabad.

The Secretary, A.P. State Council of Higher Education, Mahavir Marg, Hyderabad-4. The Commissioner of Technical Education, SBRKR Govt. Office Complex, Hyderabad. The Secretary, All India Council for Technical Education, New Delhi – 110002. The Asst. Educational Advisor (T), Southern Regional Committee, AICTE, Ministry of Human Resource Development (Dept. of Education), Shastry Bhavan 26, Haddous Road, Chennai – 600006.

Copy to P.A. to Chairman, Andhra Pradesh State Council of Higher Education. Copy to the Secretary to Vice-Chancellor, JNTUK, Kakinada.

Copy to the Director, Academics & Planning, JNTUK, Kakinada.





AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

08932 222382 Fax : 08932 222453 Cell : 9866664636

(Approved by AICTE, Permanently Affiliated to JNT University, Kakinada, Accredited by NBA & Recognized Under 2(f) and 12(b) by UGC, New Delhi)

Tamaram, Makavarapalem, Narsipatnam Revenue Division, Visakhapatnam Dist.- 531 113. Administrative Office : 51-8-40/21/2, Rythu Bazaar Street, Beside Eenadu Office, Nakkavanipalem, Visakhapatnam - 530 013 (A.P.) Ph : 0891-2748231, 9652012340 e-mail : principal_aiet@yahoo.com Website : www.avanthi.edu.in

Dr. C.P.V.N.J. Mohan Rao, M.Tech., Ph.D. PRINCIPAL

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 there of has been outsourced.

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

Place: Makavarapalem

Date: 17.1.2017



Signature of the Head of the

Avanthi Institute of Engg. & Technology Tamaram, Makavarapalem Md., Visakhapatnam District.

Committed for achieving Excellence in Technical Education