

**VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI
INSTITUTE OF ENGINEERING & TECHNOLOGY**

Vignana Jyothi Nagar, Bachupally, Nizampet (S.O.), Hyderabad – 500 090
Ranga Reddy (Dist), Andhra Pradesh, India

Phone: +91 – 040 – 23042758/59/60 Fax: +91 – 040 – 23042761

Email: principal@vnrvjiet.ac.in, www.vnrvjiet.ac.in

Sponsored by:

VIGNANA JYOTHI

Xavier Bhavan, Plot No: 7, Road No. 16

West Marredpally, Secunderabad – 500 026

Phone: +91 – 040 – 27805778/27800819



SELF STUDY REPORT

Part – I – Institutional Data

Part – II – Evaluative Report

Submitted to

The Director

National Assessment and Accreditation Council

P. O. Box No. 1075, Nagarbhavi,
Bangalore -560072, Karnataka, India.

PREFACE

Vignana Jyothi is established in the year 1991 by groovy of Industrialists, Entrepreneurs and professionals who recognized that Education is the light that wipes – out the darkness (ignorance) of uncertain future among the youth and determined “Impact Quality Education without Profit Motive”. VNR Vignana Jyothi Institute of Engineering & Technology was established by the society in the year 1995.

The society has also established and is managing the following institutes:

Vignana Jyothi Public School;

Vignana Jyothi Institute of Management;

VNR Vignana Jyothi Instiutute of Engineering & Technology - II shift Polytechnic;

Dr.D.Rama Naidu Vignana Jyothi Institute of Rural Development;

Dr.D.Rama Naidu Vignana Jyothi Agricultural Polytechnic;

Vignana Jyothi Institute of Arts & Sciences;

The Management of this institute is committed to bring about paradigm shift in the “Teaching – Learning Processes” and adopt the necessary methodologies to furnish the inputs to meet the “Quality Standards” of the accreditation bodies viz. NBA, NAAC, ABET, ISO etc., to transform the institute into an “Institute of Excellence for Teaching and Research”.

An Institute Specific Education Process Re-engineering (EPR) has already been evolved and started implementing the same to ensure holistic development and quality assurance.

The Management wishes to congratulate the Principal and all the members of the institute for their gratifying efforts in the preparation of this document.

Dr. D.N. Rao
General Secretary,
Vignana Jyothi

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Part I: Institutional Data

A) Profile of the College

1. Name and address of the college:

Name : VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

Address : VIGNANA JYOTHI NAGAR, BACHUPALLY,
NIZAMPET(SO),
HYDERABAD – 500 090

City : HYDERBAD **District :** HYDERABAD **State :** ANDHRA PRADESH

Pin code : 500 072

Website : www.vnrvjiet.ac.in

2. For Communication:

Office:

Name	Area/ STD code	Tel. No.	Fax No.	E-mail
Principal : Dr. C. D. NAIDU	Hyderabad - 040	23041517	23042761	principal@vnrvjiet.ac.in
Vice Principal : Dr.C.KIRAN MAI	Hyderabad - 040	23041516	23042761	ckiranmai@vnrvjiet.ac.in
Steering Committee Coordinator: Mr. SHAIK KHADAR SHARIF	Hyderabad - 040	23042759 Ext: 335	23042761	pcc@vnrvjiet.in

Residence:

Name	Area/ STD code	Tel. No.	Mobile No.
Principal : Dr. C. D. NAIDU	Hyderabad – 040	23065352	09391008138
Vice Principal : Dr.C.KIRAN MAI	Hyderabad – 040	23415382	09849155333
Steering Committee Coordinator: Mr. SHAIK KHADAR SHARIF	Hyderabad – 040	- -	09492817569 09160235452

3. Type of Institution:**a. By management**

i. Affiliated College

☒

ii. Constituent College

☐**b. By funding**

i. Government

☐

ii. Grant-in-aid

☐

iii. Self-financed

☒iv Any other
(Specify the type)☐**c. By Gender**

i. For Men

☐

ii. For Women

☐

iii. Co-education

☒**4. Is it a recognized minority institution?**

Yes

☐

No

☒**5. a) Date of establishment of the College:**

Date	Month	Year
18	05	1995

b) University to which the college is affiliated

Jawaharlal Nehru Technological University Hyderabad,
Hyderabad.

6. Date of UGC recognition:

	Under Section	Date, Month&Year(dd-mm-yyyy)	Remarks (If any)
	i. 2 (f)	21-5-2010	F.No. 1-1/2004 (CPP – I) Appendix - 1
	ii. 12 (B)	-	Applied to UGC on 22.11.2011 for recognition – Appendix -1

7. Does the University Act provide for autonomy of Affiliated/ Constituent Colleges?

Yes

☒

No

☐

If yes, has the college applied for autonomy?

Yes

☒

No

☐

* VNR VJIET accorded Autonomous Status by JNTUH, Hyderabad through Procds. No. JNTUAAC /Autonomous Status/VNR VJIET-07/2011 dated: 08/08/2011 (**Appendex – 1**)

8. Campus area in acres/sq.mts:

16.02 Acres and 5 Acres

9. Location of the college: (based on Govt. of India census)

Urban

☒

Semi-urban

☐

Rural

☐

Tribal

☐

Hilly area

☐

Any other (specify)

☐**10. Details of programmes offered by the institution:**

- Programmes offered during 2011-12 by the Institution.

Sl. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned Student Strength	No. of students admitted
i)	Under-graduate (B.Tech)	Civil Engineering	4 Years	EAMCET	English	120	120
		Electrical & Electronics Engineering	4 Years	EAMCET	English	60	60
		Mechanical Engineering	4 Years	EAMCET	English	120	120

		Electronics & Communication Engineering	4 Years	EAMCET	English	120	120
		Computer Science and Engineering	4 Years	EAMCET	English	120	120
		Electronics & Instrumentation Engineering	4 Years	EAMCET	English	120	120
		Information Technology	4 Years	EAMCET	English	60	60
		Automobile Engineering	4 Years	EAMCET	English	60	60
ii)	Post-graduate (M.Tech)	Geo-Technical Engineerig	2 Years	GATE/ PGECET	English	18	-
		Structural Engineering	2 Years	GATE/ PGECET	English	18	5
		Highway Engineering	2 Years	GATE/ PGECET	English	18	-
		Power Electronics	2 Years	GATE/ PGECET	English	36	27
		Advanced Manufacturing System	2 Years	GATE/ PGECET	English	18	12
		Automation	2 Years	GATE/ PGECET	English	18	2
		VLSI System Design	2 Years	GATE/ PGECET	English	18	18
		Embedded Systems	2 Years	GATE/ PGECET	English	18	18
		Software Engineering	2 Years	GATE/ PGECET	English	18	18
		Electronics & Instrumentation	2 Years	GATE/ PGECET	English	18	13
iii)	Diploma (2 nd Shift Polytechnic Course)	Diploma in Civil Engineering	3 Years	CEEP	English	60	60
		Diploma in Mechanical Engg.	3 Years	CEEP	English	60	60
		Diploma in Electrical and Electronics Engg.	3 Years	CEEP	English	60	60

		Diploma in Electronics and Communication Engg.	3 Years	CEEP	English	60	60
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11. List the departments:**Engineering and Technology**

Departments: Civil Engineering, Electrical & Electronics ngineering, Mechanical Engineering, Electronics & Communication Engineering, omputer Science & Engineering, Electronics & Instrumentation Engineering, Information Technology,

Science

Department: Humanities and Sciences

12. Unit Cost of Education:

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

(a) including the salary component = Rs. 51,609 /-

(b) excluding the salary component = Rs. 24,202 /-

B) Criterion-wise Inputs							
Criterion I: Curricular Aspects							
1.	Does the College have a stated?						
	Vision?	Yes	✓	No	-		
	Mission?	Yes	✓	No	-		
	Objectives?	Yes	✓	No	-		
2.	Does the college offer self-financed Programmes?			Yes	✓	No	-
	If yes, how many?			B.Tech.: 7, M.Tech.:10, Diploma:4			
	Fee charged for each programme (include Certificate, Diploma, Add-on courses etc.)	S.No	Programme	Fee charged in Rs.			
		1.	B.Tech	31,000/-			
		2.	M.Tech	57,000/-			
3.		Diploma	14,900/-				
3.	Number of Programmes offered under:						
	a. annual system	-					
	b. semester system	B.Tech.: 7, M.Tech.:10, Diploma:4					
	c. trimester system	-					
4.	Programmes with:						
	a. choice based credit system	Yes	✓	No	-	Number	UG-7, PG-10
	b. Inter/multidisciplinary approach	Yes	✓	No	-	Number	UG-7, PG-10
	c. Any other, specify	Yes	-	No	-	Number	-
5.	Are there Programmes where assessment of teachers by students is practiced?	Yes	✓	No	-	Number	UG-7, PG-10, Diploma-4

6.	Are there Programmes taught only by visiting faculty?	Yes	-	No	✓	Number	-
7.	New programmes introduced during the last five years:						
	UG	Yes	✓	No	-	Number	1
	PG	Yes	✓	No	-	Number	6
	Others (Diploma)	Yes	✓	No	-	Number	4*
	*2 nd Shift Polytechnic course from the Academic Year 2009-10						
8.	How long does it take for the institution to introduce a new programme within the existing system?					Six Months	
9.	Does the institution develop and deploy action plans for effective implementation of the curriculum?	Yes	✓	No	-		
10.	Was there major syllabus revision during the last five years? If yes, indicate the number.	Yes	✓	No	-	Number	B.Tech.: 7, M.Tech:10
	1) In the Academic Year 2009-10 JNTU revised the syllabus of all the courses for UG & PG						
	2) Under Autonomous Status the revision of the syllabus was carried out in all the courses of UG & PG from the academic year 2011-12. Bos meeting of the institute was held on 10/9/2011, Academic Council meeting was held on 02/11/2011 and the same approved the Syllabus						
11.	Is there a provision for Project work etc. in the programme? If yes, indicate the number.	Yes	✓	No	-	Number	B.Tech.: 7, M.Tech:10 Diploma:4
12.	Is there any mechanism to obtain feedback on curricular aspects from:						
	a. Academic Peers?	Yes	✓	No	-		
	b. Alumni?	Yes	✓	No	-		
	c. Students?	Yes	✓	No	-		
	d. Employers?	Yes	✓	No	-		
	e. Any other? (Industrialist)	Yes	✓	No	-		

Criterion II: Teaching-Learning and Evaluation							
1.	How are students selected for admission into various courses?						
	a) Through an entrance test developed by the institution					-	
	b) Common entrance test conducted by the University/Government					✓	
	c) Through interview					-	
	d) Entrance test and interview					-	
	e) Merit at the previous qualifying examination					✓	
	f) Any other					-	
2.	Highest and Lowest percentage of marks at the qualifying examination/Ranks in the Entrance test considered for admission during the academic year 2011-12:						
Programmes (UG and PG)		Open category		SC/ST category		OBC category	
		Highest Rank	Lowest Rank	Highest Rank	Lowest Rank	Highest Rank	Lowest Rank
B.Tech – Civil Engineering		4556	13577	34120	81710	6502	87221
B.Tech – Electrical & Electronics Engineering		2589	5617	31047	40317	7920	31179
B.Tech – Mechanical Engineering		3512	12481	21611	75373	6430	112830
B.Tech Electronics & Communication Engineering		1814	3634	17234	44256	1734	25995
B.Tech – Computer Science and Engineering		3305	6132	20273	64857	5948	45250
B.Tech – Electronics & Instrumentation Engineering		5805	15075	61815	198502	13270	135441
B.Tech – Information Technology		4248	9429	34554	8558	12865	57465
B.Tech – Automobile Engineering		8386	37191	71463	185143	13025	144968
M.Tech – Structural Engineering		814	-	-	-	338	-
M.Tech – Power Electronics		372	7400	3803	20320	1178	9428
M.Tech – Advanced Manufacturing System		722	1694	1069	1886	833	1577

M.Tech – Automation	-	-	1348	1911	1387	1434		
M.Tech – VLSI System Design	3070	7157	280	28434	143	13167		
M.Tech – Embedded Systems	18	14382	861	24010	137	360		
M.Tech – Software Engineering	99	8832	299	449	109	22148		
M.Tech – Electronics & Instrumentation	565	12451	57	2549	47	20375		
M.Tech – Geo-Technical Engineerig	-	-	-	-	-	-		
M.Tech – Highway Engineering	-	-	-	-	-	-		
*For B.Tech Courses admissions are based on EAMCET rank allotted by the convener,and for M.Tech courses admissions are based on GATE/PGECET rank allotted by the convener								
3.	Number of working days during the last academic year			B.Tech I Year – 264 days				
				B.Tech II,III&IV Year–298 days				
4.	Number of teaching days during the last academic year			B.Tech I Year – 224 Days				
				B.Tech II,III&IV Year -231 days				
5.	Number of positions sanctioned and filled			Sanctioned		Filled		
	Teaching			189		189		
	Non-teaching			76		76		
	Technical			54		54		
6.	a. Number of regular and permanent teachers (gender-wise)							
	Professors				M	13	F	6
	Readers				M	31	F	15
	Sr. Grade lecturers				M	5	F	5

	Lecturers			M	37	F	60
b. Number of temporary teachers (gender-wise)	Lecturers – Full- time	M	4	F	1		
	Lecturers – Part- time	M	-	F	-		
	Lecturers (Management appointees)-Full time	M	-	F	-		
	Lecturers (Management appointees)-Part time	M	-	F	-		
	Any other – Visiting Faculty and Res. Asso.	M	8	F	4		
	Total	M	99	F	90		
	c. Number of teachers	From the same State	174				
From other States		15					
* M – Male F – Female							
				Number	%		
7.	a.	Number of qualified/ permanent teachers and their percentage to the total number of faculty			172	91%	
	b.	Teacher: student ratio			1:15		
	c.	Number of teachers with Ph.D. as the highest qualification and their percentage to the total faculty strength			25	13.2%	
	d.	Number of teachers with M. Phil as the highest qualification and their percentage to the total faculty strength (Faculty of Dept. of Humanities & Sciences)			11	6%	
	e.	Percentage of the teachers who have completed UGC, NET and SLET exams			01		
	f.	Percentage of the faculty who have served as resource persons in Workshop/ Seminars/ Conferences during the last five years			83	43.9%	
g.	Number of faculty development programmes availed by teachers (last 5 years)						
		2011	2010	2009	2008	2007	
	UGC/ FIP programme	20	36	15	27	13	
	Refresher	50	65	45	42	26	
	Orientation	55	60	20	33	20	
	Any other (Workshops & Short Term	25	48	22	20	10	

	Courses)								
h.	Number of faculty development programmes organized by the college during the last five years								
		2011	2010	2009	2008	2007			
	Seminars/ workshops/symposia on curricular development, teaching-learning, assessment, etc	32	30	27	21	23			
	Research management/Methodologies	3	2	2	-	-			
	Invited/endowment lectures (Guest Lectures)	10	8	7	5	6			
	Any other – Foundation day lecture	1	1	1	-	-			
8.	Number and percentage of the courses where predominantly the lecture method is practiced			Number		%			
				All Courses		100%			
9.	Does the college have the tutor-ward system?			Yes	✓	No	-		
	If yes, how many students are under the care of a teacher?			20/Teacher					
10.	Are remedial programmes offered?	Yes	✓	No	-	Number	20		
11.	Are bridge courses offered?	Yes	✓	No	-	Number	06		
12.	Are there Courses with ICT-enabled teaching-learning processes?	Yes	✓	No	-	Number	3 (UG, PG, Diploma)		
13.	Is there a mechanism for:								
	a. Self appraisal of faculty?					Yes	✓	No	-
	b. Student assessment of faculty performance?					Yes	✓	No	-
	c. Expert /Peer assessment of faculty performance?					Yes	✓	No	-
14.	Do the faculty members perform additional administrative work? If yes, the average number of hours spent by the faculty per week			Yes	✓	No	-		
				5 Hours					

Criterion III: Research, Consultancy and Extension											
1.	How many teaching faculty are actively involved in research? (Guiding student research, managing research projects etc.):							Number	% of total		
								125	66.13 %		
2.	Research collaborations:										
	a National:							Yes	✓	No	-
	If yes, how many?							17			
	b International:							Yes	✓	No	-
	If yes, how many?							2			
3.	Is the faculty involved in consultancy work?							Yes	✓	No	-
	If yes, consultancy earnings/ year (average of last two years may be given)							84.07 Lakhs			
4.	a. Do the teachers have ongoing/ completed research projects?							Yes	✓	No	-
	If yes, how many? On going							10			
	Completed							3			
	b. Provide the following details about the ongoing research projects:										
Major Projects	Yes	✓	No	-	Number	6	Agency	X_Design Ventures	A mt.	15.02 Lakhs	
								Future Tech Ltd.		15.70 Lakhs	
								RPS/AICTE		7.0 Lakhs	
								VNR VJiet		3.0 Lakhs	
								RPS/AICTE		11.25 Lakhs	
								RPS/AICTE		3.5 Lakhs	
Minor Projects	Yes	✓	No	-	Number	02	Agency	AP Police Dept.	A mt.	1.0 Lakh	
								X_Design Ventures		1.25 Lakhs	
College Projects	Yes	✓	No	-	Number	2	Amount	Android development and application	1.25 Lakhs		
								FM based switch for street light control	3.0 Lakhs		
Industry	Yes	✓	No	-	Num	2	Indus	Future Tech Ltd.	A	15.70La	

Sponsor ed					ber		try		mt.	khs		
								X_Design Ventures Pvt. Ltd.		15.02 Lakhs		
Any Other (AICTE Sponsore d)	Yes	✓	No	-	Num ber	7	Agen cy	MODROBS/AICTE	A mt.	4.8 Lakhs		
								MODROBS/AICTE		13.27 Lakhs		
								MODROBS/AICTE		10.0 Lakhs		
								MODROBS/AICTE		15.0 Lakhs		
								AICTE		8.0 Lakhs		
								AICTE		10.0 Lakhs		
								MODROBS/AICTE		15.0 Lakhs		
No. of Student Research Projects	Yes	✓	No	-	Num ber	125	Amount Sanctioned by College		15.5 Lakhs			
5.	Research publications:											
	International journals						Yes	✓	No	-	Number	68
	National journals – refereed papers						Yes	✓	No	-	Number	88
	College journal						Yes	✓	No	-	Number	2
	Books						Yes	✓	No	-	Number	9
	Abstracts						Yes	✓	No	-	Number	27
	Any other (specify)						Yes	-	No	✓	Number	-
Awards, recognition, patents etc. if any (specify):												
• Patents:												
1. Dr. K. Anuradha, and a team of 4 members from EEE Department applied for a patent on “An efficient DC to DC Converter configuration by soft switching devices”.												
2. Dr. K. Anuradha, and a team of 3 members from EEE Department applied for a patent on “A simple and economical passive filter configuration to reduce THD produced by Non Linear Loads”.												
3. Dr. Jyotsna Cherukuri Faculty of Chemistery applied for a patent on “Novel intermediates useful for the preparation of venlafaxine and processes for the preparation of said intermediates and process for the preparation of venlafaxine using the said intermediates”.												
• Dr. C Kiran Mai Received Best Teacher Award by ISTE AP Section for A.Y. 2010-11												

6.	Has the faculty:						
	a) Participated in Conferences?	Yes	✓	No	-	Number	52
	b) Presented research papers in Conferences?	Yes	✓	No	-	Number	27
7.	Number of extension activities organized in collaboration with other agencies/NGOs (such as Rotary/Lions Club) (average of last two years):						10
8.	Number of regular extension programmes organized by NSS and NCC (average of last two years):					NSS	N C C
						12	-
9.	Number of NCC Cadets/units:	M	-	F	-	Units	-
10.	Number of NSS Volunteers / units:	M	119	F	81	Units	2

Criterion IV: Infrastructure and Learning Resources							
1.	(a) Campus area in acres:			16.02 Acres & 5 Acres			
	(b) Built up area in Sq. Meters (*1 sq.ft. = 0.093 sq.mt):			41632 sq.mts			
2.	Working hours of the Library:						
	(a) On working days			8 a.m to 8 p.m (12 hours)			
	(b) On holidays			10 a.m to 2 p.m (4 hours)			
	(c) On Examination days			8 a.m to 8 p.m (12 hours)			
3.	Average number of faculty visiting the library/day (average for the last two years):			15			
4.	Average number of students visiting the library/day (average for the last two years):			450			
5.	Number of journals subscribed to the institution:			617			
6.	Does the library have the open access system?			Yes	✓	No	-
7.	Total collection (Number):			Titles		Volumes	
	a. Books:			10,435		56,359	
	b. Textbooks:			900		923	
	c. Reference books:			6335		6335	
	d. Magazines:			34		34	
	e. Current journals:						
	Indian journals:			169			
	Foreign journals:			448			
	f. Peer- reviewed journals:			500			
	g. Back volumes of journals:			1867			
	h. E-resources :						
	CDs/ DVDs :			1250			
	Databases :			-			
	Online journals :			IEEE: Science Direct ASME - ACM			
	Audio- Visual resources:			828 magnetic Tapes			
	i. Special collections (numbers):	Yes		No		Number	

	Repository (World Bank , OECD, UNESCO etc.):	✓		-		03
	Interlibrary borrowing facility	✓		-		01
	Materials acquired under special schemes (NMEICT-MHRD):	✓		-		10 Mbps Leased Line
	Materials for Competitive examinations including Employment news, Yojana etc.:	✓		-		44
	Book Bank (EPS & SC/ST):	✓		-		950
	Braille materials:	-		✓		-
	Manuscripts:	-		✓		-
	Any other (specify) - Grandhas, Quran, Cartography, Maps etc.:	✓		-		25
8.	Number of books/journals / periodicals added during the last two years and their total cost:					
		2010-11		2011-12		
		Number	Total Cost (Rs.)	Number	Total Cost (Rs.)	
	Text books:	4479	9,65,000	5277	13,03,926.86	
	Reference Books:	299	65,000	353	75,900	
	Other books:	-	-	-	-	
	Journals/Periodicals:	175/568	11,24,790	202/445	9,98,435	
	Encyclopedia:	-	-	-	-	
	Any other (Competitive examination material, Yojana etc.):	15	6,500	17	7,500	
9.	Mention the:					
	Total carpet area of the Central Library (in sq. ft):				1140 sq.mts	
	Number of departmental libraries:				8	
	Average carpet area of the departmental libraries:				55 sq.mts / each Dept.	
	Seating capacity of the Central Library (Reading room):				250	
10.	Status of Automation of the Library:					
	not initiated:				-	
	fully automated:				✓	
	partially automated:				-	

11.	Percentage of library budget in relation to the total budget:		1.51%					
12.	Services/facilities available in the library (If yes, tick in the box):							
	Circulation:		✓					
	Clipping:		✓					
	Bibliographic compilation:		-					
	Reference:		✓					
	Reprography:		✓					
	Computer and Printing:		✓					
	Internet:		✓					
	Inter-library loan:		✓					
	Power back up:		✓					
	Information display and notification:		✓					
	User orientation /information literacy:		✓					
	Any other – Digital Library, Self learning center, NPTEL Material etc.:		✓					
13.	Average number of books issued/returned per day:		330/220					
14.	Ratio of library books to the number of students enrolled:		20:1					
15.	Computer Facilities:							
	Number of computers in the college:		1070					
	Number of Departments with computer facilities:		All Departments					
	Central computer facility (Number of terminals):		160					
	Budget allocated for purchase of computers during the last academic year – 2009-10:		Rs. 51,78,965/-					
	Amount spent on maintenance and upgrading of computer facilities during the last academic year–2009-10		Rs. 7,41,992/-					
	Internet Connectivity:	Facility,	Dialup 3 Mbps Data card	Broadband -	Internet leased line 30 Mbps Bandwidth			
	Number of nodes/ computers with Internet facility:		1070					
16.	Is there a Workshop Instrumentation Centre?	Yes	✓	No	-	Available from the year	1995	
17.	Is there a Health Centre?	Yes	✓	No	-	Available from the year	2006	

18.	Is there Residential accommodation for:						
	Faculty ?	Yes	-	No	✓		
	Non-teaching staff ?	Yes	-	No	✓		
19.	Are there student Hostels?	Yes	✓	No	-		
	If yes, number of students residing in hostels:					240	
	Male:	Yes	✓	No	-	Number	120
	Female:	Yes	✓	No	-	Number	120
20.	Is there a provision for:						
	a) Sports fields:	Yes	✓	No	-		
	b) Gymnasium:	Yes	✓	No	-		
	c) Womens' rest rooms:	Yes	✓	No	-		
	d) Transport:	Yes	✓	No	-		
e) Canteen/Cafeteria:	Yes	✓	No	-			
f) Students centre:	Yes	✓	No	-			
g) Vehicle parking facility:	Yes	✓	No	-			

Criterion V: Student Support and Progression									
1.	a. Student strength (Provide information in the following format, for the past two years) For the Academic Years 2010-11 & 2011-12:								
Student Enrolment	UG			PG			Diploma / Certificate		
	M	F	T	M	F	T	M	F	T
Number of students from the same State where the college is located	902	598	1500	123	76	199	389	72	461
Number of students from other States	-	-	-	-	-	-	-	-	-
Number of NRI students	-	-	-	-	-	-	-	-	-
Number of foreign students	-	-	-	-	-	-	-	-	-
M – Men, F- Female, T-Total									
	b. Dropout rate in UG and PG (average for the last two batches):						Number	%	
	UG						7	0.6%	
	PG						Nil	Nil	
2.	Financial support for students: (last Year):						Number	Amount	
	Endowments:						-	-	
	Freeships:						-	-	
	Scholarship (Government):						1121	2,85,76,389	
	Scholarship (Institution):						-	-	
	Number of loan facilities:						7	2,78,000	
	Any other financial support (Alumni Sponsorship):						4	1,33,600	

3.	Does the college obtain feedback from students on their campus experience?				Yes	✓	No	-			
4.	Major cultural events (data for last year):										
Events		Organized			Participated						
		Yes	No	Number	Yes	No	Number				
Inter-collegiate		✓	-	19	✓	-	10				
Inter-university		-	✓	-	✓	-	03				
National		✓	-	3	✓	-	02				
Any other		-	-	-	-	-	-				
5.	Examination Results (data of past five years):										
Results		UG					PG				
		2011	2010	2009	2008	2007	2011	2010	2009	2008	2007
Pass Percentage		79.5	73.6	86.2	94.1	98	81.2	79.2	77.7	75.3	56.5
Number of first classes		215	193	235	226	215	26	24	33	23	10
Number of distinctions		199	204	166	184	157	30	35	22	31	19
Ranks (if any)		-	02	06	02	3	-	-	-	-	-
6.	Number of overseas programmes on campus and income earned:					Number	Amount		Agency		
						-	-		-		
7.	Number of students who have passed the following examinations during the last five years:										
						2011	2010	2009	2008	2007	
	NET:					-	-	-	-	-	
	SLET:					-	-	-	-	-	
	CAT:					18	11	16	07	04	
	TOEFL:					30	28	12	27	11	
	GRE:					21	30	18	33	6	
	GMAT/IMAT:					-	-	4	3	-	
	Civil services(IAS / IPS/IFS):					-	-	-	-	-	
	Defence Entrance:					-	-	-	-	-	
	Other services:					-	-	-	-	-	
	Any other (specify) GATE:					08	11	07	06	-	

VNR Vignana Jyothi Institute of Engg. & Tech.

Criterion VI: Governance and Leadership				
1.	Has the institution appointed a permanent Principal?	Yes	✓	No -
	If Yes, denote the qualifications	M.Tech, Ph.D		
	If No, for how long has the position been vacant?	-		
2.	Number of professional development programmes held for the Non-teaching staff (last two years):			02 03
3.	Financial resources of the college (approximate amount) – 2010-11:			
	Fee from Self-funded courses:	Rs. 14,24,17,750/-		
	Any other (Exam fee, Transport fee, Hostel fee, etc.):	Rs. 1,82,82,474/-		
4.	Statement of Expenditure (for last two years):			
Item		2009-10	2010-11	
% spent on the salaries of faculty:		46.28	46.01	
% spent on the salaries of non-teaching employees including contractual workers:		8.42	9.02	
% spent on books and journals:		0.89	1.51	
% spent on Building development:		1.24	0.75	
% spent on hostels, and other student amenities:		3.01	5.18	
% spent on maintenance - electricity, water, telephones, infrastructure:		5.75	5.06	
% spent on academic activities of departments - laboratories, green house, animal house, field trips etc.:		6.18	4.19	
% spent on research, seminars, etc.:		3.20	2.97	
% spent on miscellaneous expenditure:		25.03	25.31	
Note: The institution may provide the details regarding the above table as per the heads of accounts being maintained. However, care may be taken to cover the above items.				

5.	Dates of meetings of Academic and Administrative Bodies during the last two years:		2011		2010	
	1) Governing Council :		21/1/2011 & 9/9/2011		26/3/2010	
	Internal Admn. Bodies (mention only three most important bodies):					
	1) Planning & Development Committee:		25/02/2011, 29/07/2011 & 11/11/2011		11/01/2010 & 21/08/2010	
	2) Institute HOD's Committee:		3 rd Tuesday of Every Month		3 rd Tuesday of Every Month	
	3) Academic Committee:		2 nd Tuesday of Every Month		2 nd Tuesday of Every Month	
	Any other -					
	Finance Committee:		25/02/2011 & 25/11/2011		26/02/2010 & 26/11/2010	
6.	Are there Welfare Schemes for the academic community?					
	Loans:	Yes	✓	No	-	
	Medical allowance:	Yes	✓	No	-	
	Any other – Research Incentives, Cash Awards for Staff children's, Subsidized Transport. :	Yes	✓	No	-	
7.	Are there ICT supported / Computerized units/processes/activities for the following?					
	a) Administrative section/ Office	Yes	✓	No	-	
	b) Finance Unit	Yes	✓	No	-	
	c) Student Admissions	Yes	✓	No	-	
	d) Placements	Yes	✓	No	-	
	e) Aptitude Testing	Yes	✓	No	-	
	f) Examinations	Yes	✓	No	-	
	g) Student Records	Yes	✓	No	-	

Criterion VII: Innovative Practices						
1.	Has the institution established Internal Quality Assurance Mechanisms ?			Yes	✓	No -
2.	Do students participate in the Quality Enhancement initiatives of the Institution?			Yes	✓	No -
3.	What is the percentage of the following student categories in the institution?					
	SC:			10.8%		
	ST:			2.3%		
	OBC:			33.7%		
	Women:			40.6%		
	Differently-abled:			1%		
	Rural:			30%		
	Tribal:			1.5%		
	Any other (specify):			-		
4.	What is the percentage of the following category of staff?					
	Category		Teaching staff	%	Non-teaching staff	%
	a	SC:	19	10.3%	21	16.2%
	b	ST:	9	4.9%	1	0.7%
	c	OBC:	66	36%	18	13.9%
	d	Women:	86	49.9%	39	30.2%
	e	Physically-challenged:	1	-	-	-
	f	General Category:	88	48%	89	68.9%
	g	Any other (specify):	-	-	-	-
5.	What is the percentage incremental academic growth of the following category of students for the last two batches?					
	Category		At Admission		On completion of the course	
			Batch I 2006-07	Batch II 2007-08	Batch I 2009-10	Batch II 2010-11
	a	SC:	12%	11.4%	89.8%	92.4%
	b	ST:	4.6%	4.8%	88.8%	89.2%
	c	OBC:	28.8%	29.6%	97.6%	87.5%
	d	Women:	32.5%	30.9%	93.5%	98.8%
	e	Physically challenged:	-	0.17%	-	100%
	f	General Category:	54.4%	52.4%	99%	67.8%
	g	Any other (specify):	-	-	-	-

C. Profiles of the Departments

Profile of the Civil Engineering Department.		Responses	
1	Name of the Department	Civil Engineering	
2	Year of Establishment	2001	
3	Number of Teachers sanctioned and present position	18	18
4	Number of Administrative Staff	03	
5	Number of Technical Staff	03	
6	Number of Teachers and Students	18	360
7	Demand Ratio (No. of seats : No. of applications)	Applicants compete to secure a seat	
8	Ratio of Teachers to Students	1 : 15	
9	Number of research scholars who had their master's degree from other institutions	-	
10	The year when the curriculum was revised last	2011	
11	Number of students passed NET/SLET/GATE/GRE etc. (last two years)	24	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	84.31%	
13	University Distinction/ Ranks	University Gold Medals- 9	
14	Publications by faculty (last 5 years)	8	
15	Awards and recognition received by faculty (last five years)	1	
16	Faculty who have Attended National and International Seminars (last five years)	68 National	26 International
17	Number of National and International seminars organized (Last five years)	08	-
18	Number of teachers engaged in consultancy and the revenue generated	07	9.42 lakhs
19	Number of Ongoing projects and its total outlay	3	18.25 lakhs
20	Research projects completed during last two years & its total outlay	One	4.83 lakhs
21	Number of inventions and patents	-	-
22	Number of Ph. D thesis guided during the last two years	-	
23	Number of Books in the Departmental Library, if any	707 Volumes 415 Core Books	
24	Number of Journals/Periodicals	Indian. J 30	Foreign. J 34
25	Number of Computers	49	
26	Annual Budget	Rs. 23,05,000/-	

Profile of the Electrical & Electronics Engineering Dept.		Responses				
1.	Name of Department	Electrical and Electronics Engineering				
2.	Year of Establishment	1995				
3.	Number of Teachers sanctioned and present position	20		20		
4.	Number of Administrative Staff	03				
5.	Number of Technical Staff	06				
6.	Number of Teachers and Students	20		250		
7.	Demand Ratio (No. of seats: No. of applications)	Applicants compete to secure a seat				
8.	Ratio of Teachers to Students	1:15				
9.	Number of research scholars who had their master’s degree from other institutions	-				
10.	The year when the curriculum was revised last	2011				
11.	Number of students passed NET/SLET/GMAT/GATE/GRE/TOFEL/CAT. (last two years)	2009-10		2010-11		
		4		29		
12.	Success Rate of students (What is the pass percentage as compared to the University average?)	06-07	07-08	08-09	09-10	10-11
		96.1%	96.6%	85.3%	90.6%	75%
13.	University Distinction / Ranks	01				
14.	Publications by faculty (last 5 years)	17				
15.	Awards and recognition received by faculty (last five years)	-				
16.	. Faculty who have Attended National and International Seminar (last five years)	National		International		
		50		16		
17.	Number of National and International seminars organized (Last five years)	National		International		
		10		-		
18.	Number of teachers engaged in consultancy and the revenue generated	02		Rs. 8.20 Lakhs		
19.	Number of Ongoing projects and its total outlay	01		Rs. 3.0 Lakhs		
20.	Research projects completed during last two years & its total outlay	01		Rs. 8.20 Lakhs		
21.	Number of inventions and patents	2 applied				
22.	Number of PhD theses guided during the last two years	Guiding 2 Ph.D Students				
23.	Number of Books in the Departmental Library, if any	Titles : 360 Volumes : 401				
24.	Number of Journals/ Periodicals	Inter National Journals : 62			National Journals : 17	
25.	Number of Computers	69				
26.	Annual Budget	Rs.14,05,000/-				

Profile of the Mechanical Engineering Dept.		Responses	
1	Name of the Department	Mechanical Engineering	
2	Year of Establishment	1995	
3	Number of Teachers sanctioned and present position	25	25
4	Number of Administrative Staff	03	
5	Number of Technical Staff	07	
6	Number of Teachers and Students	25	480
7	Demand Ratio (No. of seats : No. of applications)	Applicants compete to secure a seat	
8	Ratio of Teachers to Students	1:15	
9	Number of research scholars who had their master's degree from other institutions	-	
10	The year when the curriculum was revised last	2011	
11	Number of students passed NET/SLET etc. (last two years)	18	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	72%	
13	University Distinction/ Ranks	-	
14	Publications by faculty (last 5 years)	32	
15	Awards and recognition received by faculty (last five years)	01	
16	Faculty who have Attended National and International Seminars (last five years)	National	International
		48	11
17	Number of National and International seminars organized (Last five years)	National	International
		17	--
18	Number of teachers engaged in consultancy and the revenue generated	01	Rs 10,000/-
19	Number of Ongoing projects and its total outlay	01	Rs 20.00 Lakhs
20	Research projects completed during last two & its total outlay	03	Rs. 20.30 Lakhs
21	Number of inventions and patents	--	--
22	Number of Ph. D theses guided during the last two years	Guiding 03 Students	
23	Number of Books in the Departmental Library, if any	448	
24	Number of Journals/Periodicals	78	
25	Number of Computers	84	
26	Annual Budget	Rs 13,86,000/-	

Profile of the Electronics & Communication Engineering Dept.		Responses				
1	Name of the Department	Electronics & Communications Engineering				
2	Year of Establishment	1995				
3	Number of Teachers sanctioned and present position	30	30			
4	Number of Administrative Staff	03				
5	Number of Technical Staff	05				
6	Number of Teachers and Students	30	472			
7	Demand Ratio (No. of seats : No. of applications)	Applicants compete to secure a seat				
8	Ratio of Teachers to Students	1:15				
9	Number of research scholars who had their master’s degree from other institutions	-				
10	The year when the curriculum was revised last	2011				
11	Number of students passed NET/SLET/GATE etc. (last two years)	Year	CAT	TOEFL	GA TE	GR E
		2009-10	04	32	10	32
		2010-11	10	35	20	35
12	Success Rate of students (What is the pass percentage as compared to the University average?)	87.03%				
13	University Distinction/ Ranks	6 University Gold Medals				
14	Publications by faculty (last 5 years)	24				
15	Awards and recognition received by faculty (last five years)	-				
16	Faculty who have Attended National and International Seminars (last five years)	National		International		
		20		15		
17	Number of National and International seminars organized (Last five years)	National		International		
		15		-		
18	Number of teachers engaged in consultancy and the revenue generated	03		--		
19	Number of Ongoing projects and its total outlay	01		Rs. 15.02 Lakhs		
20	Research projects completed during last two years & its total outlay	01		Rs. 6.08 Lakhs		
21	Number of inventions and patents	-		-		
22	Number of Ph. D theses guided during the last two years	Guiding 3 Ph.D. Students				
23	Number of Books in the Departmental Library, if any	663				
24	Number of Journals/Periodicals	Indian . J - 33			Foreign. J - 62	
25	Number of Computers	160				
26	Annual Budget	Rs. 17,60,000/-				

Profile of Computer Science and Engineering Dept.		Responses	
1.	Name of the Department	Computer Science and Engineering	
2.	Year of Establishment	1995	
3.	Number of Teachers sanctioned and present position	32	32
4.	Number of Administrative Staff	3	
5.	Number of Technical Staff	6	
6.	Number of Teachers and Students	32	480
7.	Demand Ratio (No. of seats : No. of applications)	Applicants compete to secure a seat	
8.	Ratio of Teachers to Students	1:16	
9.	Number of research scholars who had their master's degree from other institutions	-	
10.	The year when the curriculum was revised last	2011	
11.	Number of students passed NET/SLET etc. (last two years)(GRE/TOFEL/GATE/CAT/MAT)	2009-2010	32
		2010-2011	41
12.	Success Rate of students (What is the pass percentage as compared to the University average?)	2006-2007	96.06%
		2007-2008	92.07%
		2008-2009	98.35%
		2009-2010	80.92%
		2010-2011	95.24%
13.	University Distinction/ Ranks	2 University Gold Medals, 1 university rank	
14.	Publications by faculty (last 5 years)	63	
15.	Awards and recognition received by faculty (last five years)	5	
16.	Faculty who have Attended National and International Seminars (last five years)	National	International
		10	17
17.	Number of National and International seminars organized (Last five years)	National	International
		3	1
18.	Number of teachers engaged in consultancy and the revenue generated	8	
19.	Number of Ongoing projects and its total outlay	5	
20.	Research projects completed during last two & its total outlay	2	
21.	Number of inventions and patents	-	
22.	Number of Ph. D theses guided during the last two years	Nil	
23.	Number of Books in the Departmental Library, if any	606	
24.	Number of Journals/Periodicals	Indian	International
		19	67
25.	Number of Computers	316	
26.	Annual Budget	Rs 13,95,000/-	

Profile of the Electronics & Instrumentation Engineering Dept.		Responses	
1	Name of the Department	Electronics & Instrumentation Engg.	
2	Year of Establishment	1999	
3	Number of Teachers sanctioned and present position	16	16
4	Number of Administrative Staff	03	
5	Number of Technical Staff	04	
6	Number of Teachers and Students	16	326
7	Demand Ratio (No. of seats : No. of applications)	Applicants compete to secure a seat	
8	Ratio of Teachers to Students	1 : 15	
9	Number of research scholars who had their master's degree from other institutions	-	
10	The year when the curriculum was revised last	2011	
11	Number of students passed NET/SLET etc. (last two years)	50	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	87.5%	
13	University Distinction/ Ranks	ISOI Gold Medals – 05 University Gold Medals – 01 Best Gate Ranks – 04	
14	Publications by faculty (last 5 years)	18	
15	Awards and recognition received by faculty (last five years)	3	
16	Faculty who have Attended National and International Seminars (last five years)	National 52	International 03
17	Number of National and International seminars organized (Last five years)	National 13	International 02
18	Number of teachers engaged in consultancy and the revenue generated	03	Rs. 2 Lakhs
19	Number of Ongoing projects and its total outlay	02	Rs. 21 Lakhs
20	Research projects completed during last two years & its total outlay	01	Rs. 32 Lakhs
21	Number of inventions and patents	-	-
22	Number of Ph. D theses guided during the last two years	-	
23	Number of Books in the Departmental Library, if any	383	
24	Number of Journals/Periodicals	75	
25	Number of Computers	54	
26	Annual Budget	Rs. 37,59,000/-	

Profile of the Information Technology Dept.		Responses	
1	Name of the Department	Information Technology	
2	Year of Establishment	1997	
3	Number of Teachers sanctioned and present position	18	18
4	Number of Administrative Staff	3	
5	Number of Technical Staff	7	
6	Number of Teachers and Students	18	240
7	Demand Ratio (No. of seats: No. of applications)	Applicants compete to secure a seat	
8	Ratio of Teachers to Students	1:13	
9	Number of research scholars who had their master's degree from other institutions	-	
10	The year when the curriculum was revised last	2011	
11	Number of students passed NET/SLET etc. (last two years)		2010-11
		GATE	4
		GRE	29
		TOEFL	11
		CAT	4
		MAT	4
12	Success Rate of students (What is the pass percentage as compared to the University average?)	2006-2007	96.15%
		2007-2008	90.74%
		2008-2009	89.47%
		2009-2010	92.35%
		2010-2011	72.32%
13	University Distinction/ Ranks	-	
14	Publications by faculty (last 5 years)	National	International
		1	15
15	Awards and recognition received by faculty (last five years)	1	
16	Faculty who have Attended National and International Seminars (last five years)	National	International
		10	07
17	Number of National and International seminars organized (Last five years)	National	International
		03	02
18	Number of teachers engaged in consultancy and the revenue generated	2	Rs. 15.7 Lakhs
19	Number of Ongoing projects and its total outlay	2	Rs. 19.2 Lakhs
20	Research projects completed during last two years & its total outlay	1	Rs. 30.0 Lakhs
21	Number of inventions and patents	-	
22	Number of Ph. D theses guided during the last two years	Guiding 5 Ph.D. Students	
23	Number of Books in the Departmental Library, if any	94	
24	Number of Journals/Periodicals	National	International
		8	61
25	Number of Computers	148	
26	Annual Budget	Rs 8,04,000/-	

Profile of the Humanities & Sciences Department.		Responses	
1	Name of the Department	Humanities & Sciences	
2	Year of Establishment	1995	
3	Number of Teachers sanctioned and present position	30	30
4	Number of Administrative Staff	3	
5	Number of Technical Staff	4	
6	Number of Teachers and Students	30 Teachers	
7	Demand Ratio (No. of seats : No. of applications)	-	
8	Ratio of Teachers to Students	-	
9	Number of research scholars who had their master's degree from other institutions	-	
10	The year when the curriculum was revised last	2011	
11	Number of students passed NET/SLET etc. (last two years)	-	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	-	
13	University Distinction/ Ranks (Gold medal in Mathematics)	1	
14	Publications by faculty (last 5 years)	21	
15	Awards and recognition received by faculty (last five years)	-	
16	Faculty who have Attended National and International Seminars (last five years)	National 08	International 04
17	a) Number of National and International seminars / Workshops organized (Last five years)	National 6	Int. 3
18	Number of teachers engaged in consultancy and the revenue generated	-	-
19	Number of Ongoing projects and its total outlay	-	-
20	Research projects completed during last two years& its total outlay	1	Rs. 18,24,000/-
21	Number of inventions and patents	0	1
22	Number of Ph. D theses guided during the last two years	Guiding 8 Ph.D Students	
23	Number of Books in the Departmental Library, if any	138	
24	Number of Journals/Periodicals	71	
25	Number of Computers	45	
26	Annual Budget	Rs 6,05,000/-	

Part II: EVALUATIVE REPORT

A) Executive Summary :

Vignana Jyothi Society was founded by a group of Industrialist, Entrepreneurs and Professionals, who recognized that “Education is the Light that Wipes – Out Darkness” (ignorance) of an un-certain future among the youth and resolved to impart “Quality Education without any Profit Motive”. This Society has established 6 other Educational Institutions viz., V.N.R. Vignana Jyothi Institute of Engineering & Technology.

VNR Vignana Jyothi Institute of Engineering & Technology was established in the Year 1995-96, with the approvals from the State Govt., the Affiliating University JNTUH and from the AICTE. The Institute started with 4 UG Courses with an intake of 220 students. The Institute has grown in Quality and Quantum and offering 8UG (B.Tech), 10PG (M.Tech) and 4 Diploma courses with an intake of 1218 students. This Institution is being managed by a Governing Council, Planning & Development Committee (PDC), Academic Committee, The Finance Committee, Institute Development Committee (IDC) Departmental Development Committee (DDC), at the Department level for future planning and implementation of the existing programs and Practices.

- The institution is First approved by the AICTE in the Year 1995 and the latest approval is in the year 2011.
- This Institution has been accredited by NBA, AICTE during 2008. Also has applied for renewal of accreditation to NBA.
- The Institute has been recognized under 2(f) of UGC Act 1956, in the year 2010 and has applied for recognition under 12(B) to UGC, which is under active consideration.
- VNRVJIET accorded Autonomous Status by the affiliating university JNTUH from the Academic Year 2011-12.
- Applied to UGC during the year 2011 for grant of Autonomous status. The Expert Committee’s visit is expected shortly.

The Under Graduate(B.Tech.) Courses except civil and Mechanical Engineering are accommodated in the main Academic Building along with the Library.

PG Courses, Research & Consultancy Cell and M are accomdated in DSSR PG and Research Centre Building.

An exclusive building for Civil, Mechanincal Engineering and Examination Section is available. A Common Auditorium and a Seminar Hall furnished with the modern Audio Visual Gadgets are available for UG/PG students.

The Main Library has a collection of 10,435 titles and 56,359 volumes of the text books, reference books. The library has subscription for the National and International Journals 169 and 448 respectively, Online Journals, Science Direct, E-Learning resources etc. Library is having an exclusive collection of vidoe's on research activities carried out in the world

The entire campus is Wi-Fi enabled with a total 30 Mbps leased line connectivity. All the computers are connected to internet in the campus

The institute maintains adequate faculty student ratio as per AICTE Norms. The total faculty strength is 189 of which 25 are Ph.D's 135 are M.Tech's. 76 faculty members are pursuing Ph.D.

The Institute has conducted SWOT Analysis in connection with the proposals for TEQIP. Based on the SWOT (Strength, Weakness, Opportunities and Threats) this institution is continuously striving for devising and implementing innovative practices to "Re –orient teaching learning programs more towards student – centric from the traditional teacher – centric". Several innovative practices like – laboratory protocols, Project Arcade and Project Compendium, industry oriented project work, shadow engineering practice for faculty are introduced in the institute to supplement the curriculum.

The institution has also initiated the efforts to introduce "A various novel approach" viz., Education Process Re- Engineering (EPR) which will bring

about phenomenal changes in the Academic, Administrative and Managerial Process, greatly benefiting to all the stake holders.

An exclusive Mentoring, Training and Placement Cell is established in the Institute. Every student is provided with an MTP Record. In each class, students are entrusted to a Faculty Mentor for effective counseling, identifying weak learners and remedial classes are organized for them, which have greatly improved the performance of slow learners. In Mentoring system talented students were encouraged in their field of interest (Co-curricular and Extra-curricular activities)

The Training and Placement Cell organizes programs on Aptitude development and Soft skills development regularly by inviting external Professional Experts. Achieved an excellent placement record of 85% for the eligible students.

Exclusive Student Activity Centre – ‘Coliseum’ houses all professional society chapters IEEE, ISTE, ISOI, CSI, ASM, IETE, etc.

All the student Professional chapters have been organizing a National Level Technical Symposium “CONVERGENCE” every year since 1999. The event would be organized during 12-14 March this year.

This Technical Fest has attracted the attention of IIT, Madras. The Organizers of “SHAASTRA” a Technical Fest of IIT, Madras have entered into an MOU with CONVERGENCE and organized a collaborative event “SAMPARK” on 21st August, 2011 in our institute. Further IIT, Bombay also has shown interest in organizing a collaborative events.

The institute also believes in all round development of students. Hence, it provides opportunities for bringing out inherent talent in the students through several Cultural Clubs (Literary, Music, Dance etc.). The Cultural Clubs of the Institute also organizes a National Level Cultural Fest “Sintillashunzs” every year.

An Exclusive Sports & Games Complex named KVC Sports Complex is established. This is equipped with the facilities for indoor games, outdoor play grounds with a facility to play during night. Excellent Gym with imported stations is also available for students and staff. The Physical Director and the Sports Committee Organizes National Level Sport Fest “SLAST” Every Year.

The Art of living Center Youth Empowerment Skill (YEST) courses are regularly organized to the students and staff. Yoga Teacher has been appointed to train the students and staff. This provides great relief to the mind from modern day tensions.

The institute wishes to develop the total personality of a student by providing Academic inputs for the mental development development. Cultural and Sports for Body development, Yoga and Mediation for the spiritual development.

Two NSS units are functioning in the institute. They work in collaboration with other voluntary organizations and conduct several extension activities.

The faculty is encouraged to pursue Research and consultancy . Several incentives are introduced for publication of research papers in Journals, Conferences etc., The institute has secured a grant of Rs 88.5 Lakhs from various Govt. funding agencies like AICTE, DST, ISRO etc., The institute has received a total grant of Rs 1.1 Crores from Private Industries towards RCC Projects 3 projects are executed and 10 projects are under execution.

Criteria-I: Curricular Aspects

- The JNTUH has been adopting multi - faceted, (Comprehensive) and well – defined curricula to maintain the Quality of the Graduating students, based on the feedback from all the stakeholders.

- Established collaborations with institutions abroad and organizing faculty and student exchange programs to sustain quality.
- Adopting the following measures like: Inter – Institutional collaborations in Academics and Research to Enhance the Quality further.
- The institute under Autonomous Status shall sustain and enhance quality.
- The institution has also been selected under TEQIP-II of MHRD, a World Bank Funded Project and to explore all avenues to enhance quality of education further.
- Curriculum is designed in such away that the Programme objectives meet the Mission and Objectives of the Institute.
- Academic Flexibility to choose from the electives and to pursue the Programme.

Criteria-II: Teaching -Learning Process and Evaluation

- The institution compiles all the proposed project works into a volume and publishes them under “Project Compendium”.
- The institute also selects the best 3 projects from each branch and awards cash prizes and they are also published as “Project Arcade”.
- The institute compiles the profiles of all the faculty with their achievements and publishes them every year as “Knowledge Asset of the institute”.
- This institution prepares Academic Calendar and strictly follows the same.
- The institution also plans for 18 Months Institutional Calendar covering the period from 1st January of the current year to the 30th July of the next year over lapping calendar year & Academic Years.
- Shifting orientation from Teacher – Centric to Student – Centric learning.
- Designs theory courses and lab Experiments beyond curriculum to bridge the gap between the curriculum and industrial needs.
- Extends financial support for economically weaker students.
- Entrust a small group of students in every class to a faculty mentor for effective mentoring.
- Mentoring, Training and Placement (MTP) record is issued to every student at the time of admission which comes all the Academic Co-Curricular and other activities record that is taken by the student as a record of sweet memories from the institute.

- The mentor identifies the slow and fast learners in that group and adopts remedial measures.
- Encourage and motivate students and faculty to utilize the extensive ICT facilities available in the institute to the maximum extent possible.
 - Utilize Digital Library
 - Utilize E- Learning Resource Centre
 - Utilize Designed Laboratory Protocols for every lab and every experiment.
 - This institute implements the practice of Shadow Engineering for all faculty / staff.
 - Introduced Industry Oriented Project Work.
- Internet and Wi-Fi enabled campus
- Transparency in Admission Processes.
- Collect feed –back from all the stake holders viz. the students, parents, recruiters (Industry), Alumni and initiate remedial measures.
- Introduce Innovative Evaluation Methods and Transparency.
- Introduction of Quality Improvement Programmes (QIP) for teachers.

Criteria-III: Research, Consultancy and Extension

- Research Advisory Board Comprising of eminent Professors, Scientists and Industrialists etc.
- All faculty members are advised to register for Ph.D and are guided by senior Professors of the Institution.
- Well equipped Research and Consultancy Centre has been established at a total cost of Rs.1.78Crores
- Encourage faculty and students for their increased participation in Research to broaden the horizon of Knowledge.
- Involve students and faculty in Industry / Sponsored Projects.
- Establish Virtual Industry labs and Cross Domain Labs.
- Enter into MOU's to undertake Joint Research activity with IIT Hyderabad, UoH and BITS Pilani, Hyderabad.
- 25 faculty are Ph.D holders and 76 Faculty are pursuing Ph.D.
- 60 number of Faculty Publications, patents and Text Books.

Criteria-IV: Infrastructure and Learning Resources

- Adequate physical facilities are made available in the campus for proper execution of academic programmes, co-curricular, extra-curricular activities and are regularly upgraded for meeting the future needs.
- Class rooms are equipped with modern ICT equipment with power Backup facility.
- All the laboratories are well equipped to meet the academic requirement and they are optimally utilized by offering Polytechnic Diploma Course, certificate courses and training programmes.
- Library is equipped with Adequate Number of Books and Journals, books for competitive examinations, other recruitment tests, open from 8AM to 8PM. on all working days.
- Digital Library with the Subscription of peer reviewed ON-Line E-Journals, and CD's/DVD's of expert lectures and have 10 mbps Bandwidth of Exclusive Internet leased line.
- Instant Information Dissemination is achieved through Notice Boards and Digital Storage and Display through 16 LCD TVs installed across all the Departments.
- An exclusive student activity center building has been provided for all activities of student chapters and cultural associations.
- Sports complex is fully equipped and state of the art world class facilities like Gym with imported equipment.

Criteria-V: Student Support and Progression**Student Support services offered are:**

- Exclusive Student Service Centre for all Students needs.
- Registration and records.
- Tutorial and remedial classes/ Practices in labs.
- Mentoring, Training and Counseling services. (MTP)
- Library services beyond working hours.
- Value addition Certificate courses are being organized.
- Institutional networking services.
- Career guidance, Training and Placement services.

- Alumni services and Guidance.
- Involvement in Community services through NSS activities.
- Establishment of an Entrepreneur Development Cell (EDC) for motivation of enterprising students to establish their own industries.
- Soft skills development programs through Training and Placement Cell and English Communications Labs in the I year and in III year B.Tech to enhance Placement Opportunities.
- Organize Seminars, Quizzes, and Paper contests. Encourage Membership in Professional/Cultural society's through Departmental Associations.

Criteria-VI: Governance and Leadership:

- Strategic Growth Plan and effective Implementation
- Effective Leadership and monitoring
- Decentralization of Decision-making Powers.
- Continued efforts to establish collaborations with Foreign Universities
- Effective Industry-Institution Linkages through IIP Cell.
- Optimal Utilization of Resources/ HR/ Financial/ Infrastructural etc.,
- Emphasis on Excellence in Academics, Excitement of Research, Exhilaration of Innovation and Exponent of all round development of personality with Global outlook and Social Responsibility.

Criteria-VII: Innovative Practices

- Development of Laboratory Protocol bringing in Real world situation of the laboratory Experiment/Exercise.
- Project Arcade
- Project Compendium
- Introduce the Concept of 'Shadow Engineering', for all the Faculty to work along with a regular Engineer/Manager in an Industry to understand actual Industrial Practices.
- Implementation of "Education Process Re-engineering" where all the activities of the institute are covered. Adopt the Alpha, Beta, Delta, and Eeta Procedures for files and data, for quick reference, access and retrieval.

- Gender balance among Faculty and Students, Support services to students like remedial classes, Social justices, facilities for differently abled persons and overall development of Students.
- Grievance Redressal Committee receives Complaints and analyzes for improvement of the Institute; evolve mechanisms for redressal of grievances.
- Involve all the stake holders in Planning and implementation of Academic Programmes.
- Unique Innovative Practices of the Institute
 - 18 Months Institute Calendar over lapping the calendar year and academic year.
 - Publication of Quarterly News Bulletin “Vignana Vartha”.
 - Publication of institute Magazine “Vignana Vahini”.
 - Publication of “Vignana Deepikalu” the brief resume, Address. E-mail ID, Phone no, Photographs of all the Outgoing students every year and issues the same to every one of them.
 - Publication of several Student Association Newsletters and E-Magazines, C-Zine by CSE, Intruzine by EIE, Campus News by students.
- A unique reporting system in the institute.
 - Daily Reporting of all the activities of the departments to the principal at principal@vnrvjiet.ac.in
 - Cumulative Time management Report (CTM) by every faculty member on all the academic, administrative, Research activities to the principal at principal@vnrvjiet.ac.in.
 - Monthly reports of all the activities of the departments to the principal at principal@vnrvjiet.ac.in

B. Criterion - wise Evaluative Report

Criterion I: Curricular Aspects

1.1 Curriculum Design and Development :

1.1.1 State the vision and mission of the institution, and communicated to the students, teachers, staff and other stakeholders:

VISION

A Deemed University of Academic Excellence for National and International students, meeting Global Standards with Social Commitment and Democratic Values.

MISSION

To produce Global Citizens with knowledge and commitment to strive to enhance Quality of Life through meeting technological, educational, managerial and social challenges.

QUALITY POLICY

- ❖ Impart up-to-date knowledge in the students' chosen fields to make them quality engineers.
- ❖ Make the students experience the applications on quality equipment and tools
- ❖ Provide quality environment and services to all stakeholders
- ❖ Provide systems, resources and opportunities for continuous improvement
- ❖ Maintain global standards in education, training and services

- The detailed statements of Vision, Mission, Quality Policy & Goals of the institute are formatted with and approved by the Governing Council of the institute. The same are published in the "Information Broucher".
- This Broucher is made available to all the students, Faculty & Staff.
- The same is up-loaded to the Institute' website www.vnrvjiet.ac.in for the benefit of all the stake holders like the students, parents, employers, authorities etc.,
- These are also displayed at all prominent places in the college premises.
- The copies are maintained in the institute's main library, with all the Heads of Departments etc.,

- The copies are also submitted to the affiliating university JNTUH, The Director of Technical Education and The Council of Higher Education, Govt. of AP.

1.1.2 How does the mission statement reflect 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 orientation:

- Vignana Jyothi is established in the year 1991 by groovy of Industrialists, Entrepreneurs and professionals who recognized that Education is the light that wipes – out the darkness (ignorance) of uncertain future among the youth and determined “Impact Quality Education without Profit Motive”.
- VNR VJIET was established by the society in the year 1995; the society is managing the following institutes also.
 - Vignana Jyothi Public School, Madhuranagar, Hyderabad.
 - Vignana Jyothi Institute of Management, Vignana Jyothi Nagar, Bachupally, Hyderabad.
 - V.N.R. Vignana Jyothi Institute of Engineering & Technology, Vignana Jyothi Nagar, Bachupally, Nizampet (SO), Hyderabad.
 - VNR Vignana Jyothi Institute of Engineering & Technology - II shift polytechnic Vignana Jyothi Nagar, Bachupally, Nizampet (SO), Hyderabad.
 - Dr.D.Rama Naidu Vignana Jyothi Institute of Rural Development, Tuniki Village, Kowdipally Mandal, Narsapur, Medak District.
 - Dr.D.Rama Naidu Vignana Jyothi Agricultural Polytechnic Tuniki Village, Kowdipally Mandal, Narsapur, Medak District.
 - Vignana Jyothi Institute of Arts & Sciences, Xavier Bhavan, West Marredapally, Road No.9, Street No. 16, Secunderabad.
- Encourage the faculty and students to participate in National and Global level Academic events like – The Seminars, Symposia, Conferences, Workshops etc., to get exposure to the latest trends in different fields of technology.
- Extend facilities for the faculty and students to organize such events in the institute.

- Establish rapport with the Institutes of Excellence for carrying out collaborative research work in the fields of engineering and technology.
- Strengthen Industry – Institute Interaction with industry through (Industry – Institute Interaction Partnership Cell) for under taking joint research/ industrial projects
- Enlighten the students to pursue entrepreneurship by organizing guest lectures, workshops etc., through external experts.
- Design programmes/ courses beyond curriculum to imbibe the qualities of maintaining the highest moral and ethical standards with Human values to serve the society.

1.1.3 Are the academic programmes in line with the institution's goals and objectives? If yes, give details on how the curricula developed / adopted, address the needs of the society and have relevance to the regional / national and global trends and developmental needs:

- Identifies the need for new courses/ revision of existing courses / deletion of obsolete courses is taken by extensive interaction with Industry and R&D Organization.
- The Dept. Academic Committee (DAC) and the Institute Academic Committee (IAC) is highly proactive and dynamic in identifying such courses in the Regional, National and Global Scenario. Recommend & the same to the respective Boards of Studies (BoS).
- Constitutes the BoS with the Academic experts from premiere institutes, Industry Experts, R&D experts, Alumni Members in the process of designing such courses to meet the changing Industrial demands.
- Also has designed Bridge Courses on newly emerging technologies or Industry – Specific courses for value addition for students in employment.
- Organizes special/remedial classes for the disadvantaged students, academically weak students and provide them with an equitable opportunity to bring them on a par with other students.
- Introduced courses on Environment Science.
- Creates opportunities and organizes self-development and soft – skills development programmes, involving external experts.

- Evolve & indigenous (institute specific) methodologies in Teaching – Learning Processes
- Develop this institute as ‘Knowledge – Hub’, a ‘Best Learning Resource Centre’, an ‘Institute of Excellence’ and an R& D Centre in specialized areas.

1.1.4 Inclusion/integration of Information and Communication Technology (ICT) in the curriculum, for equipping the students to compete in the global employment markets:

- All the courses offered by the institute extensively make use of ICT facility.
- All Computers in different labs, Faculty rooms, Research labs, Student Activity Centre, Student Hostels, are provided with Internet facility.
- Entire campus is Wi-Fi enabled.
- There is an exclusive Digital Library which works from 8:00 am to 8:00 pm every day. Several Online journals, E-Lecture materials from Universities abroad as well as from DELNET are available.
- The lecture notes, the laboratory protocols of different labs are also available on intra- net accessible to every student and faculty member,
- The entire institution is provided with 16 LCD video display screens for instant communication of information in every floor.
- A Four station Video Conferencing facility is also installed between institute, the Principal, the Society office, the General Secretary and other functionaries for faster communication and decision making.
 - a) And develop human resources with necessary technical skills and social obligation.
 - b) Dissemination, creation and Presentation of Knowledge.
- E-Learning Resources are available.

1.1.5 Initiatives and contributions of the institution in the curriculum design and development process:

- The Department Academic Committee (DAC), Institute Academic Committee (IAC) interacts with Heads of Institutes of excellence,

Industry, R&D Organizations, Faculty, Students, and Alumni. Assess as the need for introduction of new courses, or revision of existing courses or substituting the obsolete courses etc.,

- Assess the relevance and impact of such courses at Regional, National and Global Scenario.
- Forward their Assessment reports to the respective BoS for incorporation in curriculum development.
- The BoS is composed of
 - Experts from Academics
 - Experts from Industry
 - Experts from R&D Organizations
 - Senior faculty with experience.
 - The Employers
 - Experts from Alumni Members in Industry and R&D
- Design the Best possible curricula considering all the above factors.

1.2 Academic Flexibility:

1.2.1 Range of programme options available to learners in terms of Degrees, Certificates and Diplomas:

- The institute offers 8 B.Tech - Under Graduate 10 M.Tech – Post Graduate and 4 Diploma Programmes in Engineering & Technology. The list of courses are presented in the following Table.

Programme Level	Name of the Programme/ Course	Intake
Under-Graduate B.Tech	Civil Engineering	120
	Electrical & Electronics Engineering	60
	Mechanical Engineering	120
	Electronics & Communication Engineering	120
	Computer Science & Engineering	120
	Electronics & Instrumentation Engineering	120
	Information Technology	60
	Automobile Engineering	60

Post-graduate M.Tech	Geo-Technical Engineering	18
	Structural Engineering	18
	Highway Engineering	18
	Power Electronics	36
	Advanced Manufacturing System	18
	Automation	18
	VLSI System Design	18
	Embedded Systems	18
	Software Engineering	18
	Electronics & Instrumentation	18
Diploma	Diploma in Civil Engineering	60
	Diploma in Electrical & Electronics Engineering	60
	Diploma in Mechanical Engineering	60
	Diploma in Electronics & Communication Engineering	60

- Three Departments EEE, ECE & CSE are recognized as Research Centre by JNTUH and the admissions into these programmes commence from the academic year 2012-13

1.2.2 Provisions with reference to academic flexibility, value addition and course enrichment in a) Core options b) Elective options c) Add on courses d) Interdisciplinary courses e) Flexibility to the students to move from one discipline to another f) flexibility to pursue the programme with reference to the time frame (flexible time for completion) :

a) Core Options:

The students are free to exercise their options of the Core (Branch of Engineering) and the choice of institutions based on the rank secured in EAMCET for B.Tech and PGCET for M.Tech. The convener admission allots the branch and institution.

The Students with many core subjects in three areas of Science, Mathematics, Management, Computer related and specific branch of Engineering are to be studied.

b) Elective Option:

The students have the choice to select their optional subjects during the 3rd and 4th years of their B.Tech Course and in the 1st year of M.Tech Course.

c) Add on courses:

- Java Certified Course , DOT NET, Oracle, VLSI, Lab View certified courses, PLC training programs, Network management, Soft-Skills Management etc.,
- ON-Campus Training Programmes offered by TCS, Infosys etc.,
- Professional Society activities : IEEE, ISTE, IETE, VSI, CSI, ASME – Organize Guest lectures, Training Programmes , Seminars, Workshops etc., latest teaching technologies, inviting experts from Industry and R&D for Professional Value Addition.

d) Inter Disciplinary Courses:

Every Student is allowed to study inter-disciplinary, Basic Engineering courses like computer science, Mechanical, Electronics and Electrical Engineering

e) Flexibility to move from one discipline to the other:

As per the existing regulations of the University, the students have no flexibility to move from one branch of engineering to another.

f) Flexibility to pursue the programme with reference to the time frame:

- The normal duration of the B.Tech (UG) course is 4 years (8 semesters). However, students are permitted to complete the course within a maximum period of 8 years.
- The normal duration of M.Tech (PG) course is 2 years (4 semesters) however, students are permitted to complete the course within a maximum period of 4 Years.

1.2.3 Details of the programmes and other facilities available for International Students (if any):

Presently there are no exclusive programs offered to the International Students.

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

- The institute is completely Self – Financing Institute (All the courses offered are Self –Financed). All the courses offered by the institute are Affiliated to JNTUH, and Approved by AICTE.
- The admission criteria are identical to those prescribed by the Govt. of AP.
- The Curriculum for all the courses are prescribed by the JNTUH and those under Autonomous under JNTUH, the syllabus is formulated by the Board of Studies as this institute Academic Council.
- The fee structure adopted by the institute is in accordance with that prescribed by the Govt. of Andhra Pradesh for students admitted under different categories.
- The Qualification, the recruitment process for faculty is identical to those prescribed by AICTE. All recruitments are made through open advertisements in National Level News Papers and the candidates are interviewed and selected by a duly constituted selection committee as per AICTE and JNTUH Norms.
- The Qualifications and salary structure recommended by the AICTE are adopted for faculty.

1.3 Feedback on Curriculum:

1.3.1 College obtains feedback on curriculum from a) Students b) Alumni c) Parents d) Employers / industries e) Academic peers f) Community:

- Separate feedback formats have been designed for different stake holders.
- The feedbacks obtained are analyzed for identifying the deficiencies and initiating remedial measures.

1.3.2. How is the above feedback analyzed and the outcome / suggestions used for continuous improvements, and communicated to the affiliating university for appropriate inclusion: Students:

- Identifying the slow and quick learners; arrange for remedial classes for the slow learners.
- Evaluate the Teaching Methodology and the teacher's abilities to transfer knowledge: any deficiencies can be rectified by training them with the experienced faculty.

Alumni:

Receive suggestions on their experiences in the industry: arrange for supplementing the curriculum through organizing courses beyond curriculum.

Parents:

Parent's concerns and suggestions shall also be considered.

Employers / Industry:

Identify the gaps between the curriculum prescribed and the actual industrial requirements. Arrange for “**Bridge-Courses and Finishing School**”. If necessary introduce New Courses, Revise existing courses to suit the Current industrial needs by placing the same before the BoS and Academic Council etc., for their advice and approvals.

Academic Peers:

Identifying any novel methodologies adopted by the academic peers in institutes of high learning such as additional contents delivered and implement the same.

1.4 Curriculum update:**1.4.1 What is the frequency and the basis for syllabus revision and what are the major revisions made during the last two years:**

- The Syllabus/ Curriculum are revised and updated in tune with the changing trends of the Industry.
- The BoS is constituted with experts from Industry and R&D Organization to provide proper guidance in identifying the needs and designing / revising curriculum accordingly.
- The major / revisions of curriculum carried out by JNTUH once in every two years.
- VNR VJIET revision of curriculum is carried out during the Academic Year 2011-12 in view of Autonomous under JNTUH.
 - Engineering Drawing is practices through CAD Package.

- Innovative Changes in the Question paper model are introduced to motivate students to study the complete syllabus and improve problem solving skills
- Transparency in Evaluation system is brought in.
- Elective courses are introduced to enable the students to equip themselves.
- It is proposed to revise curriculum every two years.

1.4.2 Institution ensure that the curriculum bears a thrust on core values adopted by NAAC:

-YES -

- The Curriculum bears thrust on core values adopted by NAAC.

1.4.3 Institution use the guidelines of statutory bodies (UGC/ AICTE / State Councils of HE and other bodies) for developing and/or restructuring the curricula:

-YES -

1.4.4 How are the existing courses modified to meet the emerging/ changing national and global trends:

The Institutes continuous rapport with the Industry Experts will be able to identify the rapidly changing technological trends and modify the courses as and when required.

1.5 Best Practices in Curricular Aspects:

1.5.1 Quality sustenance and quality enhancement measures undertaken by the institution during the last five years in curricular aspects:

- The Institute has been adopting multi - faceted, (Comprehensive) and well – defined curricula to maintain the Quality of the Graduating students, based on the feedback from all the stakeholders, viz. the students, faculty, the employers (Industry) etc.,
- Established collaborations with institutions abroad and organizing faculty and student exchange programs to sustain quality. Mr. M. Pradeed of EEE department got is doing his research work at SASKACHEWAN University CANADA under commonwealth student exchange program.

- Adopting the following measures like: Inter – Institutional collaborations in Academics, Research “Enhances the Quality” further.
- This institute under Autonomous Status shall make every effort to sustain and enhance quality.
- This institution has also been selected under TEQIP-II. Hence, it is propose to explore all avenues to further enhance quality of education further.

1.5.2 Best practices in ‘Curricular Aspects’ have been planned/ implemented by the institution:

- Several faculty members of the Institute have already been serving as members of BoS and academic council of the JNTUH, Dr. B.R. Ambedkar Open University and other universities in Andhra Pradesh.
- Several faculty members of the institution are serving as the executive committee members of the professional societies like IETE, ISTE and ISOI
- Faculty Strictly adhere to the Academic Schedules and Academic Calendar.
- Complete the entire curriculum (Theory and Laboratory) as per schedule.
- Entrust a small group of students in every class to a faculty mentor for effective monitoring.
- The mentors identify the slow and fast learners in that group and take up remedial measures. This practice is yielding excellent results.
- Organizing remedial classes to bring the slow learners along with the others in the class.
- Encourage and motivate students and faculty to utilize the extensive ICT facilities available in the institute to the maximum possible extent.
 - Utilize Digital Library
 - Utilize E- Learning Resource.
 - Utilize VNR Laboratory Protocols an exclusive practice of this institute for every lab and every experiment.

- Shadow Engineering: Faculty works for a week like Engineer/ Manager along with the regular engineer to acquaint with the actual industrial practices.
- Design Experiments beyond curriculum.
- Create facilities and encourage Students to undertake Research Projects in their fields of interest, from their I year course itself.
- Design Lessons plans, Course Handouts and Lab records.
- Plan Industrial Visits/ Internships to students.

Criterion II: Teaching – Learning and Evaluation

2.1 Admission Process and Student Profile:

2.1.1 Institution ensure wide publicity to the admission process a) Prospectus b) Institutional Website c) Advertisement in Regional / National Newspapers d) Any other (specify):

a) Institute Information Brochure :

The Institute publishes prospectus and Information Brochure every year incorporating the details such as:

- Different UG, PG, Diploma courses offered by the institute and the number of seats in each course.
 - Criteria for admission to UG (B.Tech), PG (M.Tech and Diploma Courses : The reservation pattern prescribed by Govt. of A.P for OBC, SC, ST, Women, Sports/NSS/NCC, Differently Abled categories is strictly adopted.
- Information related to facilities to students such as the soft skills development programs, Training and Placement activities, Students Achievements, Co-curricular and Extra-Curricular Activities, Professional Societies, Clubs, Sports facilities, Faculty Details, Library and Other facilities in the Information Brochure.

b) Institutional Website:

All the Institute details are made available on the Institute Website www.vnrvjiet.ac.in

c) Advertisement in Regional/ National Newspapers:

Wide Publicity about all the UG, PG, and Diploma Courses is being made through Prospectus, Regional and National level News Papers.

d) Any other (specify):

Publicity for admissions are given through Print and electronic media, Flexy banners, Printed leaflets etc.,

2.1.2 How are the students selected for admission to the following courses? Give the cut off percentage for admission at the entry level a) General b) Professional c) Vocational:

Professional:

- Admissions to UG (B.Tech) Program are carried out as per existing stipulations of A.P State Council of Higher Education, Government of A.P.
 - Category A 70% of seats are filled by Convener, EAMCET and AP Govt.
 - Category B 30% of seats are filled per Norms stipulated by AP Govt.
 - 20% of sanctioned strength in each program of studies as Lateral Entry students and filled by the Convener, ECET (FDH) at 2nd Year B.Tech.
- Admissions to PG (M.Tech) Program are carried out as per stipulations of A.P State Government. Following is the pattern of seat allocation:
 - 70% of seats are filled by Convener, PGECET and AP Govt.
 - 30% of seats are filled by Management as per Norms of A.P State Govt.

2.1.3 Institution ensure transparency in the Admission process:

- In order to provide equal opportunity to all categories of students, wide publicity is being given through – Prospectus, News paper advertisements, through handout of Institute Profiles and Institute website etc.
- All the students admitted as above based on the cut-off marks in the respective qualifying examinations and their EAMCET, PGECET, ECET Ranking (for all categories), are prominently displayed in all the Notice Boards and also uploaded onto the Institute website for maintaining absolute transparency in admissions.
- Admission process is carried out through the notifications given in the Print media, Electronic media and displayed in the webnote of the APSCHE.

- Approvals will be taken from the the APSCHE, University and state govt., to all the admitted students lists.

2.1.4 How do you promote access to ensure equity: a) Students from disadvantaged community b) Women c) Differently-abled d) Economically-weaker sections e) Sports personnel f) Any other (specify):

- Seats in each course (UG, PG, Diploma) are filled by the Conveners of EAMCET, PGECET, ECET strictly in accordance with the rules of reservation prescribe by the Govt. of A.P
- Ensure Equity: The students admitted into different courses come from vastly differing academic, social, economic, regional back grounds. Hence, the institute devised a novel approach by entrusting a small group of 8 -10 students to one faculty mentor, who is going to identify the strength and weakness of different students. Report the same to the HOD and necessary remedial measures are initiated.

2.2 Catering to Diverse Needs:

2.2.1 Is there a provision for assessing the students' knowledge and skills before the commencement of the programme? If yes, give details on the strategies of the institution to bridge the knowledge gap of the incoming students for enabling them to cope with the programme to which they are enrolled:

- YES -

The faculty mentor is going to identify the strength and weakness of different students. Special attention is paid towards them to identify their academic deficiencies, remedial teaching and skills development programmes are initiated to bridge the gap and bring the weaker students into the main stream.

2.2.2 How does the institution identify slow and advanced learners? Give details on the strategies adopted for facilitating slow and advanced learners:

- The Mentors interaction with the students as well as the performance in the first mid – Semester examinations are taken as indices for identifying slow and advanced learners.

- They are provided with the additional remedial courses both in theory and in labs. They are also provided access to the Digital Library, NPTEL lectures and also the lecture notes of their class teachers.

2.2.3 Does the institution have a provision for tutorials for the students? If yes, give details:

As per the curriculum regulations, Tutorials and technical seminars are mandatory and provision is made in the respective class time- tables. They are meticulously organized to enlighten the students on all curriculum aspects.

2.2.4 Is there a provision for mentoring of students or any similar process? If yes, give details:

- The institution has introduced a novel practice of issuing MTP Record to every student at the time of admission. All the activities concerned with mentoring, training and placement are recorded in this, under the supervision of a faculty mentor, who will guide them according to their needs. This is also an unique feature of this institute.
- Further, a Mid- Semester feedback on a prescribed format is collected analyzed for identifying needs of the students and any deficiencies are initiated for redressing the same.

2.2.5 How does the institution cater to the needs of differently- abled students:

For the convenience of the differently abled students, ramps, lifts and Wheel chairs arrangements are provided.

2.3 Teaching -Learning Process:**2.3.1 Institution plan and organize the teaching-learning and evaluation Schedules (Academic calendar, teaching plan and evaluation blue print, etc.):****a) Academic Calendar :**

- The institution strictly adopts the academic calendar prescribed by the affiliating university JNTUH for B.Tech II, III & IV Years as well as for M.Tech II Year.
- The institute adopts its own Academic Calendar for the 1st and 2nd semester of I year B.Tech and M.Tech students admitted under Autonomous Status under JNTUH.
- The Academic Calendar is prepared to ensure that the total number of working days in any semester is ≥ 90 days.

b) Teaching Plan:

- Every teacher prepares a subject-wise teaching plan for the semester and maintains course files containing the 'Copy of the syllabus, Lesson Plan, Model Questions papers, Assignments' etc.,
- Lesson Plan: Every teacher prepares and maintain period – wise teaching plan separately for each subject.
- Attendance Register: Every teacher maintains an Attendance Register in which all the academic activities during any working days are recorded.

c) Evaluation Blue Print:

- For Theory Subjects: The performance of the students will be evaluated continuously through: Assignments and Internal tests, Two mid –Semester Examinations and End- Semester Examinations (30%, &70% weightage for Internal and semester End Examinations are respectively given).
- For Laboratories: Evaluated through continuous day to day performance, Internal examinations, record valuation and end – semester examinations.

2.3.2 Various teaching- learning methods (lecture method, interactive method, project-based learning, computer-assisted learning, experiential learning, seminars and others) used by the teachers:

- For teaching theory subjects the teachers adopt the following methods viz. The lecture method, Interactive method, seminars, group discussions lectures by Visiting and Adjunct Professors, Industry experts. Conduct short term Workshops/ Training programs, computer assisted learning etc.,
- Entire campus is internet connected and Wi-Fi enabled. All the expert lectures on E Learning Resources are accessible to all the students within the campus.
- This institute has devised a Novel Approach to laboratories by developing Laboratory Protocols for each lab, involving all the experiments and linking them to Real-Time application to create interest in students.
- The teaching and learning process is planned to formulate an instructional strategy or plan for the entire curriculum by the concern teachers.
- Employ pedagogic techniques, design hardware teaching models or software simulation modules.

2.3.3 How learning is made student-centric? What are the institutional strategies, which contribute to acquisition of life skills, knowledge management skills and lifelong learning:

- The teacher should be “**pro-active as well as interactive**” to motivate the learners and use activities like professional Society activity, Digital Library, Video lessons, Mini Projects, Journals and other for Self Learning Material.
- The teaching should be supported by qualitative and quantitative observation linked to real time applications, “**orients teaching more towards student – centric than traditional teacher – centric**”. This makes the students self learners as well as lifelong learners.

2.3.4 Institution ensure that the students have effective learning experiences:

- Introduce advanced level non – credit courses beyond curriculum.

- Introduction of “Value – Added Content” beyond the curriculum in the areas professional and vocational programs.
- All the Computers in the Campus are internet enabled.
- In around the campus 16 LCD TV’s are arranged to give latest information regarding the curriculum and information.
- Total campus is W- Fi enabled with 20Mbps internet connectivity.

2.3.5 How do the students and faculty keep pace with the recent developments in the various subjects:

- The DAC and IAC will interact with the industry and identify the current industrial trends and demands. Advise the BoS to take cognizance of these emerging technologies and formulate / revise curriculum.
- Conduct Talent Pool Assessment (TPA) of the internal faculty and also conduct Training Need Analysis (TNA).
- Depute faculty for training programs, workshops, seminars and conferences on latest trends in technologies.
- Organize the training programs/workshops etc., in collaborations with industry or institutes of excellence, where such expertise is available.
- Organize the refresher courses or adopt “**shadow engineering practices**” for faculty to acquire the actual industrial practices.
- Organize Industrial visits & Tours for the students to acquire themselves with current industrial practices.
- Make it mandatory for the students to have the practice of carryout major project in the industries only.
- Undertake industrial collaborations and involve students.
- Organize bridge courses and finishing school to produce industry – ready graduates.
- Daily reports of all activities from each department are updated to the principal.
- Monthly reports of all activities from each department are updated to the principal
- Weekly Cumulative time management report of every faculty member is updated to the principal

2.3.6 Are there departmental libraries for the use of faculty and students? If yes, how effectively are they used for the enhancement of teaching and learning:

- Every department in the institute maintains a moderately equipped library for quick access to the students and faculty.
- The internet facility is also available in the departmental library, through which several E-Books, E-Journals can be accessed from the department itself.

2.3.7 Has the institution introduced evaluation of the teachers by students? If yes, how is the feedback analyzed and implemented for the improvement of teaching:

- Yes -
- The Institution has been collecting the feed-back from the students on teaching and teachers. The format is designed without disclosing the identity of the student.
- The feed-back is collected twice in a semester and analyzed. Any deficiencies are rectified and grievances are redressed.
- Based on the feedback, identify the teachers whose performance needs to be improved either in the content delivery, communication skills or problem solving skills etc. Such teachers are advised, counseled, sent on deputation for improving the knowledge base and acquiring the required skills.
- In addition, class review committee meetings mentoring sessions etc. are also being organized for guiding the student more effectively.

2.4 Teacher Quality:

2.4.1 How are the members of the faculty selected? Does the college have the required number of qualified and competent teachers to handle all the courses? If not, how does the institution cope with the requirements:

The faculty are selected based on merit as per AICTE Norms, based on the the performance in interview duly constituted by the selection committee.

The institution have required no. of qualified and competent faculty to handle all the courses.

2.4.2 How does the college appoint additional faculty to teach new programmes/ modern areas of study (Biotechnology, IT, Bioinformatics etc.)? How many such appointments were made during the last three years:

Identical procedures as given in 2.4.1 are adopted for appointing the additional faculty to teach modern areas of study.

External experts from industry have been invited as visiting faculty to teach specialized courses.

The following is the list of the experts/visiting faculty invited last three years:

Year	Number of experts invited/appointed
2011	14
2010	20
2009	17

2.4.3 What efforts are made by the management for professional development of the faculty? (Eg: research grants, study leave, deputation to national/ international conferences/ seminars, training programmes, organizing national / international conferences etc)? How many faculty have availed these facilities during the last three years:

- The institute deputed faculty to pursue Ph.D. or any other specialized training to institutes of higher learning with full pay and with all service benefits.
- Supports all professional development initiatives for the faculty and staff.
- Encourages Research and offers incentives for publications of research papers.
- Provides **registration fees and travel grant** for presenting a Research Paper in any National or International Conference.
- The institute provides all support for organizing seminars, workshops etc., in collaboration with Institutes of higher learning , Industry, R&D Organizations etc.,
- Many faculty benefited for attending many Courses, Conferences Organizing, Workshops /Seminars Sponsoring to M.Tech / PhD Programmes.

2.4.4 Awards/ recognitions received by the faculty during the last five years:

- Institute Awarded Best Engineering College by ISTE AP Section.
- Mrs.B.V.Kiran Mayee received Best CSI Chapter of the Institute.
- Dr.S.Raja Ratnam received best branch councilor of IEEE branch.
- Dr.Y.Padma Sai received Best ISTE Chapter Award.
- Dr.C.Kiranmai was awarded as "The Best Computer Science Engineering Teacher",by ISTE,A.P Section.
- G.Ramesh Chandra of CSE Department received "Distinguished Official Award" by Pentagram Research Centre for his contribution to conduct ICSCI – 2011 (International Conference on Systematic, Cybernetics & Informatics on 5th Jan, 2011.
- Dr.S. Raja Ratnam, Professor in EIE was honoured with JC Bose award
- Dr.S. Raja Ratnam, Professor in EIE was honoured with best teacher award by Govt. of Andhra Pradesh.
- Dr. C.D. Naidu is a member of BoS in ECE of JNTUH.
- Dr. P. Nageswara Rao is a member of BoS in Mathematics of JNTUH.
- Dr. G.S. Raju was honoured with teacher's day award from Banaras Hindu University
- Dr. Anuradha, Professor in EEE filed for two patents.
- Dr. P.S. Prasad, Professor in ME was awarded Boys-cast fellowship scheme by Dept. of Science and Technology.
- Mr. T.Srinivasa Rao visited JAPAN along with students as a part of FSAE formula car project to participate in an international car competition held in JAPAN in the year 2011.

2.4.5 How often does the institution organize training programmes for the faculty in the use of a) Computers b) Internet c) Audio Visual Aids d) Computer-Aided Packages e) Material development for CAL, multi-media etc.:

Institute Organizes refresher courses on the above subject at least once in every six months and CAD courses regularly.

2.5 Evaluation Process and Reforms:**2.5.1 Evaluation methods communicated to the students and other institutional members:**

- All the students are provided with a printed copy of the Institute Information Brochure in which all the academic regulations like the attendance requirements, evaluation processes both Internal End-Semester Examinations of theory and Laboratory.
- The weightages for Internal and External theory and practical examinations are furnished in the brochure.
- The internal evaluation marks are also uploaded on to the institute website.

2.5.2 Institution monitor the progress of the students and communicate it to the students and their parents:

- A small group of 8-10 students in each class are entrusted to a faculty mentor. The day-to-day performance, internal examinations, submission of assignments, attendance etc., are monitored regularly and more effectively.
- Any under performance in academics, examination and attendance etc., are brought to the notice of the HoD. A Communication to the parents is sent in such cases.
- The Parents are also invited to the institute and interact with concerned teachers and the HoD.
- Through IVRS system provided by the Institute students and parents can access the attendance, Marks and other academic details of the students.
- ICT facilities are best utilized in the academic administration

2.5.3 Mechanism for redressal of grievances regarding evaluation:

- Two stage mechanism for redressal of grievances regarding evaluation is in place:
 - Any grievance of the student has to be informed to the concern staff member for redressal
 - In case it is not solved the matter has to be reported to the concerned HOD

- Perfect transparency is maintained in the evaluation of answer scripts of all the internal examination and assignments.

2.5.4 Major evaluation reforms initiated by the institution/affiliating University and Institution ensure effective implementation of these reforms:

Reforms implemented in the Institute:

- Introduction of On-line examination system.
- Increased weightage for internal examination from 25 to 30 marks in Theory and 20 to 25 marks in the laboratories.
- Increased weightage for practical's from 50 to 75 marks.
- Introduction of Advanced English Communication skills lab in the II semester of III B.Tech greatly enhances the placement opportunities.
- Introduction of Mini-Project during the summer vacation of III year B.Tech carrying 50 marks.
- A technical seminar presentation during the II Semester of IV year carrying 50 marks.
- Introduction of Electronic Distribution of Examination (Question) papers (EDEP) and 4 sets of question papers.
- Establishment of On-line examination centre (Institute Computer Centre) with adequate number of computers.
- Since the question papers are loaded on to the JNTU examination website and the password is made available to the concerned institution, **Just one hour before the commencement of every exam, high speed Xerox machines are installed in the examination section.**
- All the computers and Xerox machines in the examination section and On-line examination halls are provided with power backup facility for operating without interruption.
- Constituted separate BoS for each subject at the departmental level and Academic Council at the institute level.
- Inducted experts from Industry and R&D in addition to the academicians in BoS and in Academic Council.
- Revised the curriculum introducing more weightage towards industry orientation.

2.6 Best Practices in Teaching -Learning Process:**2.6.1 Significant innovations in teaching/learning/evaluation introduced by the institution:**

- Shifting orientation from Teacher – Centric to Student – Centric learning.
- Continuous monitoring and guidance of faculty mentors for a small group of 8-10 students.
- Identification of slow and fast learners.
- Organize remedial classes and finishing schools for slow learners.
- Make use of ICT for more effective teaching.
- Make use of Digital Library, Video Lectures and E-Resources.
- Internet and Wi-Fi enabled campus
- Maintain Transparency in Admission Processes.
- Feed – Back from all the stake holders viz. the students, parents, recruiters (Industry) , Alumni and initiate remedial measures.
- Transparency in Evaluation Process.
- Introduction of Quality Improvement Programmes (QIP) for teachers.
- Introduction of Research and Development component into the institution to broaden the horizons of thinking beyond curriculum.
- Involving students & faculty in research projects or Industry Sponsored Projects.
- Establishment of an Entrepreneur Development Cell (EDC) for motivation of the enterprising students to establish their own industries.
- Soft skills development programs through Training and Placement Cell and English Communications Labs.

Criterion III: Research, Consultancy and Extension

3.1 Promotion of Research:

3.1.1 Research Committee to facilitate and monitor research activity, its activities, major decisions taken (during last year) and composition of the Committee:

YES

Research & Consultancy Advisory Board:

Eminent Engineers & Scientists nominated to the board

- Dr. M. Rama Murthy, Former Director General CPRI
- Dr. B.L.Deekshitulu, Former Director, NRSA
- Dr. P. Subba Rao, Managing Director, Ananth Technologies Ltd., Hyderabad
- Dr. A. Vidya Sagar, Managing Director, Avantel Ltd., Hyderabad.
- Sri K. Nageswara Rao, Chief Executive, CR Rao Advanced Institute of Mathematics Statistics & Computer Science, Hyderabad
- Dr. D.N.Rao, Managing Director, X_Design Ventures Pvt.Ltd., Hyderabad
- Sri M.B.M.Raju, Technology Manager, TATA Consultancy Services, Hyderabad.

The Board Meeting was held on 8th September, 2010 and discussed about the thrust area of the research and Consultancy carried out in the college and suggested measures to get funding from the industry and research organizations

Research Committee of the Institute:

Research Committ is formed with principal as chairman, Head, Research and Consultancy center as member secretary, senior professors and Head of Departments as the members of the committee.

The committee will meet on every second Friday in a month.

3.1.2 Institutional promotion of faculty participation in research:

The Institute encourages faculty members to involve themselves in research by providing well equipped research laboratory facilities and offering several incentives to the faculty members. The research incentives policy of the institute is furnished below:

- Publication of papers in National Journals - Rs. 5000/- per paper
- Publication of papers in International Journals - Rs.10000/-per paper

- Presentation of papers in International seminars - Rs.5000/-
+ 50% of TA&DA expenses
+ On duty Leave
- Publication of Books - Rs. 30000/-
- Preparation & submission of project proposals - Rs. 5000/-
- Faculty members working in institute research Centre - Rs. 2500/- p.m.
- Patentable work - Rs. 100000/-
+30% of revenues earned from patent.
- Faculty members sponsored on QIP programmes will be paid the Course Fee with ONDUTY leave

3.1.3. Details of institutional budget having provision for research and development:

- The institute has a fully equipped Research and Consultancy Cell established with a total cost of approximately Rs 1.78 crore
- The institutional budget has the provision for research and development in the form of research lab maintenance, salaries for research associates and research incentives. However, institute allows flexible budget allocation for research activities as and when necessary.

3.1.4 Participation of students in research activities:

Students are encouraged to pursue Research projects by giving cash awards from the management.

- The first and the second best B.Tech. student projects are awarded cash prize of Rs. 5000/- and 3000/- respectively.
- The first three best M.Tech. student projects are awarded with Rs.12000/-, 10,000/- and Rs.6000/- respectively.
- Each department has an exclusive project lab for executing academic projects.
- The incubation centers of the institute was announced a grant of Rs.5 lakhs towards incubate innovative ideas to develop a marketable product.

Students are encouraged through seminars regularly and are showing the videos of the interesting research projects in and around the world to create interest among the. Incubation labs and research labs are open beyond the working hours in the campus for doing the research work.

The following are the some of the achievements of the students towards research:

- A group of Mechanical engineering students designed and prepared a Formula-1 car funded by the college and received sponsorships from the industry. They participated in national and international events to display their achievement. They participated in an event conducted in JAPAN along with a faculty member and successfully demonstrated their invention.
- A group of M.Tech Embedded students involved and developed an Automated Commando Training System (ACTS) Units sponsored by Grey Hounds, AP Police Dept. All the 40 numbers of ACTS units are delivered to the National Police Academy are widely in use.
- A group of III B.Tech EIE students are involved in development of Sensory Measuring unit (SMU) sponsored by M/S Drive Lozics Pvt.LTD. The system plays a vital role in evaluating the quick reflexes and sensory capacity of an elderly person who is seeking Driving License.
- A group of III B.Tech CSE students are involved in the development of Android based Driver Safety Index Integrated computer system (DSI2CS)

3.1.5 Major research facilities developed on the campus:

An exclusive research and consultancy center is established in more than 1000 sq.mts built in the year 2007 to cater the needs of Funded Research Projects, support sponsored projects and Student Projects. The following research labs are fully equipped with a total cost of approximately Rs. 1.78 crores.

- X_Design/Autosim Project Center with 3 labs
 - Virtual Reality and Real Time Computing Lab
 - Virtual Instrumentation Lab
 - 3-D Motion Servo drives Lab

- Wireless Sensor Network & RFID Applications Lab
- Mobile Vision Applications Lab
- Software Applications Lab
- Robotics Research Lab
- Environmental Engineering Lab

3.1.6 Details of the initiatives taken by the institution for collaborative research (with national/ foreign Universities/ Research/Scientific organizations / Industries / NGOs):

The following Industries/Funding agencies are associated with the RCC.

1. Avantel Limited
2. Ananth Technologies
3. Autosim Norway
4. Future Tech Information Systems Pvt. Ltd.
5. Engineering Works Infrastructure (p) Ltd.
6. X_DESIGN Ventures Pvt. Ltd., Hyderabad
7. Radhika Transformers Pvt. Ltd., Hyderabad
8. Veljan Hydraulics Limited
9. Coastal Projects Ltd.
10. Vijay Electricals Ltd
11. Tata Consultancy Services Ltd
12. Infosys
13. Oracle
14. IIIT, Hyderabad.
15. University of Hyderabad.
16. Technophilia Systems Pvt. Ltd., Mumbai in association with Carnegie Mellon for setting up Robotics & Embedded Systems Excellence Centre in the Campus

3.2 Research and Publication Output:

3.2.1 Details of the research guides and research students of the institution (Number of students registered for Ph.D. and M. Phil., fellowship/scholarship, funding agency, Ph.D's and M.Phil's awarded during the last five years, major achievements, etc.):

Department wise list of Recognized Research Guides in different departments of the Institute:

S.No.	Name of Research Guide	Department
1	Dr.B.N.M Rao	Civil Engineering
2	Dr.P.S.Prasad	Mechanical Engineering
3	Dr.G.S.Gupta	Mechanical Engineering
4	Dr.B.Ravi Kumar	Mechanical Engineering
5	Dr.K.Anuradha	Electrical & Electronics Engineering
6	Dr.Poonam Upadhay	Electrical & Electronics Engineering
7	Dr.G.V.S.S.Raju	Electrical & Electronics Engineering
8	Dr.C.D.Naidu	Electronics & Communication Engineering
9	Dr.P.Srihari	Electronics & Communication Engineering
10	Dr.Y.Padma Shyai	Electronics & Communication Engineering
11	Dr.L.Padmasree	Electronics & Communication Engineering
12	Dr.V.Padmaja	Electronics & Communication Engineering
13	Dr.N.Balaji	Electronics & Communication Engineering
14	Dr.C.Kiranmai	Computer Science Engineering
15	Dr.S.Raja Ratnam	Electronics & Instrumentation Engineering
16	Dr.S.V.S.S.Srinivasa Raju	Industrial Management
17	Dr.Mangthayaru	Information Technology
18	Dr.P.Nageswara Rao	Mathematics
19	Dr.T.Jayashree	Mathematics
20	Dr.K.Murali Krishna	Commerce
21	Dr.V.G.S.Naidu	Mathematics
22	Dr.P.Raghavendra Rao	Physics
23	Dr.C.Jyostna	Chemistry
24	Dr.P.Aparna	Mathematics

- All the Associate Professors and Sr. Assistant Professors are eligible as research guides.
- Few faculty are awarded Ph.D/M.Tech Degree while working in the department.
- 76 faculty members have registered for Ph.D with various universities.

3.2.2 Give details of the following:

a) Departments recognized as research centers:

The following three Departments are recognized as Research Centers by the affiliating university “JNTU, Hyderabad” vide Lt. No. JNTUH/R&D/Regr/VNR/Research Center, dated 21.07.2011

- 1) Computer Science and Engineering
- 2) Electronics and Communications Engineering
- 3) Electrical and Electronics Engineering

b) Faculty recognized as research guides:

List given in the point 3.2.1 above.

c) Priority areas for research:

Department wise List of Priority areas for Research :

S.No.	Department	Area of Research
1	Civil Engineering	Water Resources Engineering
2	Mechanical Engineering	Applied Mechanics / Design
3		Computational Thermodynamics
4		Production Joining Process
5		Industrial Engineering & Management
6	Electrical & Electronics Engineering	Power Electronics Applications for Power Quality Improvement
7		High Voltage Engineering & Power Systems
8		Power Systems
9	Electronics & Communication Engineering	Neural Networks and Image Processing
10		Error Control Coding
11		Bio-Medical, Signal and Image Processing
12		Computer Security
13		Pattern Classification
14		VLSI, Radar Signal Processing and Optimization

15	Computer Science Engineering	Data Mining
16	Electronics & Instrumentation Engineering	Embedded Systems VHF Forward Scatter Communication Techniques Bio –Medical instrumentation Bio – Medical Processing Control Systems MEMS, Image Processing
17	Information Technology	Bioinformatics
18	Humanities & Sciences	Fluid Dynamics
19		Automated Reasoning
20		Advanced Banking
21		Computational Fluid Dynamics (CFD)
22		Laser Optics and Nanomaterials
23		Environmental science & Technology

d) Ongoing Faculty Research Projects (minor and major projects ,funding from the Government, UGC, DST, CSIR, AICTE, Industry, NGO or International agencies):

On-going Sponsored Research Projects:

S.No.	Project Title	Project Cost (Rs.in Lakhs)	Funding Agency	Duration
1	Mobile Image position and performance acquisition system	15.02	M/s X _ Design Ventures, Hyderabad	3 years
2	Campus Management Solution Modules	15.70	Future Tech Information Systems, Secunderabad	3 years
3	Theoretical and experimental Investigation through porous media	7.00	RPS / AICTE	2 Years
4	FM Based Switch for Street Light Control	3.00	VNR VJIET	2 Years
5	Performance Appraisal of polymer modified bitumen	11.25	RPS / AICTE	2 Years
6	Image Fusion Using Fuzzy and Neuro Logic	3.50	RPS / AICTE	2 Years

Funded Projects from Various Agencies : Total Grants: Rs. 88.5 Lakhs.

Title of the Project	Scheme/Funding Agency	Grant (Rs.) in Lakhs
Up gradation of CAD & GIS Lab	MODROBS / AICTE	4.80
Up gradation of Control System	MODROBS / AICTE	13.27
National economy and social transformation through advances in electrical engineering	Seminar Grant / AICTE	1.50
Up gradation of Networks Lab	MODROBS / AICTE	10.00
Recent Trends in networking & Security	SDP / AICTE	6.07
Mechanics of Super Alloys	MODROBS / AICTE	15.00
Entrepreneur Development Cell	AICTE	8.00
Industry Institute Partnership Cell	AICTE	10.00
Up gradation of Communication Lab	MODROBS / AICTE	15.00
Real Time Signal & Image Processing	SDP / AICTE	4.86

e) Ongoing Student Research Projects (title, duration, funding agency, total funding received for the project):

- 1) Design of Base band module
- 2) Implementation of PSK, QPSK 8PSK and 16 QAM modules in FPGA
- 3) Implementation of AES256 in encryption in FPGA
- 4) MIL 1553 Bus implementation in FPGA
- 5) Video data transmission using PCM standards
- 6) SPI, IIC, SM Bus RS 422, RS232, Interfacing FPGA
- 7) Direct digital synthesizer for Wideband frequency source
- 8) Data Acquisition system
- 9) Induction power transformer

All the above projects are Sponsored by Ananth Technologies, Hyderabad

- 10) Mobile Image Position & Performance Acquisition system(MIPPAS)

Sponsored by X-Design Ventures Ltd., Hyderabad

3.2.3 Major achievements of the research activities of the institution (findings contributed to subject knowledge, to the Industry needs, community development, patents etc.):

- Three departments (ECE, CSE, and EEE) of the college are recognized as Research Centers by the JNTUH, Hyderabad for offering Ph.D guidance.
- Technophilia Systems Pvt. Ltd., Mumbai is going to set up a Center for Robotics & Embedded Systems Excellence Centre in the Campus

Sponsored Research Projects Completed and delivered to the Funding Agency:

S.No.	Project Title	Project Cost Rs. Lakhs	Funding Agency	Duration
1.	Driving simulators for Indian environment	30.0	M/s X _Design Ventures, Hyderabad	2 years
2	Automated Commando Training system	8.2	Grey Hounds, AP Police , Hyderabad	2 years
3.	Designing of Electro Coagulation method for waste water treatment	18.24	Dept. of Science & Tech., Govt. of India, New Delhi.	2 Years

- **Patents - 3**

3.2.4 Research papers published in referred journals by the faculty:

The faculty published 152 Research Papers in National and International Journals. The Department wise list of publications for the last 5 years is furnished below :

S.No.	Department	No. of national & International Journal Publications
1	Civil Engineering	8
2	Mechanical Engineering	31
3	Electrical and Electronics Engineering	17
4	Electronics and Communications Engineering	24
5	Computer Science and Engineering	17
6	Electronics and Instrumentation Engineering	18
7	Information Technology	16
8	Humanities and Sciences	21

The detailed publications list is given in **Appendix – V**

3.2.5 Give list of publications of the faculty.

a. Books:

The following Text books are written by Dr. C. Jyostna, Associate Professor, H&S Department:

S.No	Name of the Author	Title of the Book	Publisher
1	Dr.C.Jyostna	A text book of Engineering Chemistry for Engineering Students of JNTU, Hyderabad	VGS Techno Series, VGS Book Links,2009
		Laboratory Manual of Engineering Chemistry for Engineering Students of JNTU, Hyderabad	VGS Techno Series, VGS Book Links,2009
		Engineering Chemistry-I, for Engineering Students of JNTU, Kakinada	VGS Techno Series, VGS Book Links,2010
		Laboratory Manual-I, of Engineering Chemistry for Engineering Students of JNTU, Kakinada	VGS Techno series, VGS Book Links,2010
		Engineering Chemistry-II, for Engineering Students of JNTU, Kakinada	VGS Techno series, VGS Book Links,2011
		Laboratory Manual-II, of Engineering Chemistry for Engineering Students of JNTU ,Kakinada	VGS Techno series, VGS Book Links,2011
2	Dr.P.Sri Hari	“Probability Theory and Stochastic Process”	Hy-Tech Publishers, Hyderabad
		“ An Introduction to Communications Theory”	Hy-Tech Publishers, Hyderabad
		Digital Communication	Laxmi Publications, New Delhi

b. Articles:

About 30 articles were published in magazines and News letters.

c. Conference/Seminar Proceedings:

A total of 94 National Conferences and 163 International Conferences/ Seminar Proceedings were Attended/ Presented by our faculty for the last 5 years. Department wise Number of National Conferences and International Conferences/ Seminars attended/ Presented is furnished below:

S.No.	Department	No. of International Conferences	No. of national Conferences
1	Civil Engineering	19	2
2	Mechanical Engineering	26	28
3	Electrical and Electronics Engineering	29	15
4	Electronics and Communications Engineering	33	20
5	Computer Science and Engineering	23	11
6	Electronics and Instrumentation Engineering	4	6
7	Information Technology	7	12
8	Humanities and Sciences	22	--

The detailed list of National & International Conferences Attended are given in the **Appendix - VI**

d. Course materials (for Distance Education):

- 1) Laboratory Manuals of Environmental Sciences for Dr.B.R.Ambedkar Open University, Hyderabad by Dr. C. Jyostna, Associate Professor, H&S Department.
- 2) Dr. C.D.Naidu – Course Material for B.Tech CCC Program.
- 3) Content Management by Librarian

e. Software packages or other learning materials:

- 1) Lab view Learning material
- 2) Beagle Board Learning Material
- 3) MSP 430 Learning Material
- 4) Projects, Documentations from RCC

3.3 Consultancy

3.3.1 Broad areas of consultancy services provided by the Institution during the last five years:

The following are main thrust areas of the Consultancy Department wise:

Department of Civil Engineering:

- concrete sample testing
- Design of Industrial and Residential structures
- Contouring and land surveying
- Traffic studies and Design of Road junctions
- Construction materials testing
- Concrete mix designs
- Soil investigations
- Earth quake Resistant Structure
- Construction of tall Structure
- Environmental Management

Department of Mechanical Engineering:

- Velocity Acceleration in fluids
- Material testing
- Training in CAD for working professionals
- Exact Gas analysis
- CNC machine Testing

Department of Electrical and Electronics Engineering:

- Estimation of power loss, voltage fluctuations and power factor
- Load flow analysis of power systems
- Transformer oil testing

Department of Electronics & Communications Engineering:

- VLSI and Embedded Systems
- Digital signal Processing
- Image Processing
- Micro Processors and Micro Controller based projects
- MATLAB and DSP Processors

Department of Computer Science and Engineering / Information Technology:

- Driving Simulators project for AUTOSIM, NORWAY
- ONLINE examination system
- Campus Management Solution modules
- Logical Image processing system(LIPS)
- Data Mining
- Neural and Fuzzy Systems
- Security Protocols
- Bioinformatics
- Beneficiaries company:
 - A.P Police Department
 - Gray Hounds Police
 - National Police Academy
 - M/s Drive logics Hyderabad
 - M/s X_Design
 - M/s Future Tech Informatics

Department of Electronics and Instrumentation Engineering:

- Process automation and calibration
- Sensors and signal Condition
- Analytical solutions
- Training and projects in LABVIEW

The total cost of the consultancy work completed by the institute is about Rs. 13 Lakhs (approximately).

3.3.2 How does the institution publicize the expertise available for consultancy services?

The Institute has prepared detailed brochure listing all the facilities and expertise available. This information is posted to all industries in the respective field and conducting frequent meetings with industry people.

3.3.3 How does the institution reward the staff for the consultation provided by them?**Institute Consultancy policy is in place.**

- The faculty and staff including the students involved in the consultancy work will be given the share in revenue earnings through the consultancy as per the institute consultancy policy.
- Faculty is encouraged to take up consultancy and Technical services by using the Institution's Infrastructural facilities.

3.3.4 Institution utilization of the revenue generated through consultancy services:

A part of Consultancy earnings are invested to Modernize and up-grade the laboratory infrastructural facilities in the concerned department.

3.4 Extension Activities:**3.4.1 Institutional promotion and participation of students and faculty in extension activities: (NSS, NCC, YRC and other NGOs) :**

There are 2 Units of NSS with total enrolment of 200 student volunteers and a Professor In charge as programme officer. Students and faculty are encouraged to participate in extension activities through NSS. All the activities are conducted by proper planning, sponsoring and by extending proper facilities.

The following activities are conducted as a part of Social Services activities sponsored by the college during the academic year 2010 - 11:

- Organized an "OPEN DAY" in the campus and invited students and staff of the ZPP High school, Bowrampet on 10th October 2011. A total of 122 school children from 9th and 10th standard participated and visited all laboratories in the campus, R & D Center, Library and Sports complex and learnt about the activities going on in these centers. A power point presentation on Career Counseling and Guidance is also presented to the school students.

- Organized a Blood donation camp in the campus in association with NTR Trust and Midicity Hospitals, Hyderabad on 25th August 2011. A total of 312 students and staff volunteered and donated blood.
- 80 students from 2nd , 3rd and 4th year B.Tech served as scribes for Blind students in the Intermediate Examinations.
- Organized guest lecture on RTI act by Sri. Rakesh Reddy, RTI activist on 2^{4th} September 2011 to mark the celebrations of the NSS day
- Collected funds of Rs. 80000/- and a big quantity of food grains and other essential commodities and donate to the “Kashmiri refugees”. In the city in January 2011.
- A campaigning against usage of plastic materials, against ragging and also awareness on Traffic rules was organized from 14th to 19th February 2011.

3.4.2 Outreach programs organized by the institution:

- School children are trained in Mathematics in the neighboring village.
- Organized a mega special camp at **Kowdipally village** Narsapur Mandal, Medak dist. During 1^{7th} June 2011to 2^{7th} June 2011. 92 NSS volunteers have participated and organized Health survey, Mega health camp and distributed free medicines. Also conducted awareness campagne about child marriages, Literacy and Health tips. Organized special classes for school children and illiterate youth of the village. Organized plantation in the school premises to create awareness of importance of environmental protection.
- Classes are being conducted in the Institute for the Distance Education Course of JNTUH, Hyderabad.
- Extension Lectures are delivered by Civil Engineering faculty at National Academy of Construction
- Bhoomi, Voluntary organization of the students constructed Toilets in the villages.

3.4.3 Institutional promotion of college-neighborhood network in which students acquire attitude for service and training, contributive to community development:

- NSS unit also works in collaboration with other institutions for community development activities.
- Organizing guest lectures on ethical values, community service, positive attitude, commitment and social service to the students and neighbouring school children
- Teachers also encourage to participate in the social services activities.

3.4.4 Initiatives taken by the institution to have a partnership with University / Research institutions / Industries / NGOs etc. for extension activities:

- The Institute has established collaboration with IIT Hyderabad, UoH and other Institutes in research activities.
- Our students participate in several technical, cultural and sports events conducted by Institutes like IIT Madras, BITS Pilani, JNTU, etc.,

3.4.5 Local community benefited by the institution? (Contribution of the institution through various extension activities, outreach programmes, partnering with NGOs and GOs):

Local Community is benefited as our Students regularly teach in the neighboring Govt. Schools and make the people of the village well aware of sanitation and environmental aspects.

3.4.6 Institution involved the community in its extension activities? (Community participation in institutional development, institution-community networking etc.):

Schools children and school teachers from nearby villages are invited to the Institution and conducted “OPEN DAY”. Taken on a conducted tour of all the laboratories and made to interact with the faculty there by creating awareness among school children about Engineering Education.

3.4.7 Any awards or recognition received by the faculty / students / Institution for the extension activities:

- Our Institute NSS Unit is adjudged as one of the best NSS unit in the JNTUH, Hyderabad.
- Institute received Appreciation certificate from Energy Conservation Mission in 2004 & 2005.
- Ms. Madhulika Datta active member of NSS secured University first rank during 1999-2000.

3.5 Collaborations:**3.5.1 Details of the collaborative activities of the institution with the following organizations. a) local bodies/ community, b) State , c) National, d) International, e) Industry, f) Service sector, g) Agriculture sector, h) Administrative agencies, i) Any other :**

The institution entered into tie up with many NGO's like Art of living and Bhoomi etc.,

MOUs with Institution/Organizations:

- An MOU with SEW Infrastructure Pvt.ltd
- An MOU with B.Seenaiah & Company Pvt. Ltd.
- An MOU with industries like Vijai Electricals, Radhika Transformers, APCPDCL and Medha servo drives etc. Through the above collaborations Industrial Visits, Industry oriented training and Internships are arranged for B.Tech and M.Tech students.
- An MOU with Denison Hydraulics, Hyderabad is signed to carry out industrial Projects for the students.
- An MOU with SMRJ, Hyderabad is signed to carry out industrial Training for the Staff & students.
- An MOU with institutions like Avantel, Avanthi Technologies Pvt. Ltd to carry out the research projects at state level.
- An MOU with IIIT, Hyderabad is signed to carry out certification course(CIT) for the students.

- An MOU with TCS Ltd is signed to carry out certification courses
- An MOU with INFOSYS (Campus Connect Program) a training program is signed for all the students are taken up by various faculty to enhance their mental ability, soft skills, technical skills and leadership qualities.
- The department has An MOU with M/s Elico ltd. for internships of M.Tech students.
- An MOU with IIIT, Hyderabad is signed to carry out certification course(CIT) for the students.
- An MOU with ORACLE Corporation is signed to carry out Oracle Workforce Development Program for certification courses, for which 14 students are already certified.
- An MOU with Future TECH for Campus Automation Management System Software is carried out in the institute.

3.5.2 How has the institution benefited from the collaboration:

(a) Curriculum development:

The representatives from the industry are the members of Board of studies of all branches, the suggestions offered by them are incorporated in the curriculum based on the industry needs. The Industry representatives also helped the organization in designing some Industry specific short term courses and Certificate Courses based on industry requirements.

(b) Internship:

As per the MOU's signed between the Industry and Institution, the students of UG and PG are offered "Internships by the Industry". Some UG and PG students are working on their project work by utilizing the resources of the industry and catering to the needs of the industry.

(c) On-the-job training:

Our institution has introduced an unique practice of "SHADOW ENGINEERING". As a part of this all the faculty and Technical staff are required to undergo industrial training program for a week in their specialization in any one of the collaborative industry. As a part of this program more than 75% of our faculty and technical staff have undergone

the training program in the industries to upgrade their skills and acquainted themselves with the actual industrial environment and practices.

(d) Faculty exchange and development:

The expertise available in the industry will be invited for guest lectures and organize seminars in specialized areas. The personnel from the industry are offered Certificate courses and Continuing Education Programmes to improve their qualification, skills and knowledge.

(e) Research:

The collaboration with the industry helped the institution for procuring several research projects.

(f) Consultancy:

The advanced equipment and facilities available in the laboratories of the institute are utilized for consultancy in terms of quality checking and research projects.

(g) Extension:

In collaboration with the affiliating university and taking the help from the industry we are organizing NSS programs like adapting one village in every summer camp and fulfilling the needs of the villagers in all the areas like education, health and social awareness. We also organize blood donation camps in collaboration with NTR Trust and Traffic awareness camps in collaboration with local police.

(h) Publication:

Some of the projects sponsored by the industry and the research work being carried out in the Institute is leading towards Research Publications for the faculty working for their Ph.D. work.

(i) Student Placement:

The No. of Companies visited this campus for placement is 131. The MOU's and collaborative activities with the Top Industries in India like INFOSYS, WIPRO, TCS, CAPEGEMINI, SEW Constructions etc., are

helped to get Student's placed. Nearly 80% of our student are placed in collaborative Industries.

Our institute is TCS Accredited.

3.5.3 Does the institution have any MoU/MoC / mutually beneficial agreements signed with :

- **Other academic institutions**
 - IIIT, Hyderabad.
- **Industry**
 - Avantel Limited
 - Ananth Technologies
 - Autosim Norway
 - Future Tech Information Systems Pvt Ltd
 - Engineering Works Infrastructure (p) Ltd.
 - B.Seenaiah Construction Projects Ltd.
 - X_DESIGN Ventures Pvt Ltd, Hyderabad
 - Radhika Transformers Pvt. Ltd., Hyderabad
 - Veljan Hydraulics Limited
 - Coastal Projects Ltd.
 - Vijay Electricals Ltd
 - Tata Consultancy Services Ltd
 - Infosys Technologies Ltd.,
 - Wipro Technologies Ltd.,
 - Cape Gemini Soft solutions
 - Oracle corporation
 - Technophilia Systems Pvt. Ltd., Mumbai

3.6 Best Practices in Research, Consultancy and Extension:

3.6.1 What are the significant innovations / good practices in Research, Consultancy and Extension activities of the institution:

- 76 of the faculty have registered for Ph.D and are guided by senior Professors of the Institution or by the Universities.
- Well equipped Research and Consultancy Centre.

- Counseling faculty and students for their increased participation in Research activities.
- Establishment of Virtual Industry labs
- Establishment of Cross Domain Projects.
- Joint Research activity in collaboration with IIT Hyderabad, UoH.
- Encourage Students Participation in Research Projects.
- The incubation centers of the institute was announced a grant of Rs.5 lakhs towards incubate innovative ideas to develop a marketable product
- Research Incentives for faculty publications
- Share in the revenue generated through consultancy
- Institute consultancy brochure is formulated and communicated to claints
- Establishment of incubation centers
- A grant 5 lakhs has been allotted for incubation of novel ideas of the students
- Cash incentives for Best 3 M.Tech.Projects and Best 2 B.Tech. Projects
- All the above best practices result in broadening academic horizons of Student and faculty.

Research and Consultancy



Criterion IV: Infrastructure and Learning Resources:

4.1 Physical Facilities:

The following Physical Facilities are available in the Campus:

S.No.	Physical facilities	Numbers available
1.	Lecture Hall	66
2.	Laboratories	64
3.	Seminar Halls	04
4.	Auditorium	02
5	Department Seminar Halls	8
6	Tutorial Rooms	10
7.	Drawing Halls	6
8.	Examination Halls	10
9.	Faculty rooms/ cubicles	189
10	Department Libraries	8
11.	Girls waiting Hall	2
12.	Student activity Center- rooms	8
13	Canteen	1
14.	Indoor Sports Complex with all sports facilities, Yoga & Meditation Hall	Details are given below
15.	Health Cener	1
16.	Creche	1
17.	Board Rooms/Meeting Halls	4
18.	Mentoring, Training & Placement cell: (Mentoring Rooms, Interview cabins, Record Rooms)	10
19	Institute Computer Center	1
20.	Internet Center	1
21.	Lifts	3
22.	Rest Rooms	36
24	Guest Rooms	4
25.	Out Door sports facilities	

4.1.1. Infrastructure facilities available for:

a) Academic Activities:

- VNR Vignana Jyothi Institute of Engineering and Technology has excellent infrastructural facilities spread over 16.02 Acres of land with more than 41632 Sq.mts built up area.
- Besides having adequate number of rooms for class work and laboratories, each department has a Seminar Hall and Departmental Library. In each department, 2 classrooms for UG and all PG class

rooms are equipped with Computer, roof top fitted LCD projector and UPS facility.

- The total campus is WI-FI enabled with 20 Mbps leased line.
- Institute Computer Center is equipped with 160 systems and loaded with required software and connected in LAN with Internet facility.
- Girls and Boys Common rooms are available separately.
- A Central Library is established in 1140 sq. mts. area broadly divided into 4 parts i.e. Stock area, Digital Library, Reading area, News paper and Display room.
- The Central Library having an internet connectivity of dedicated 10Mbps Leased line Sanctioned by Ministry of Human Recourses under NMEICT Scheme, to access the ONLINE- E-Journals and ONLINE-E-Materials.
- The Library has an extensive collection of 10435 titles and 56359 volumes and subscription 613 National and International Journals.

b) Co-Curricular Activities:

- An auditorium with 600 seating capacity and a Seminar Hall with 150 seating capacity equipped with all audio and visual aids.
- The following student Chapters are functioning with active participation of the Students and Staff members in the college
 - IEEE Student Chapter
 - CSI Student Chapter
 - ISOI Student Chapter
 - ISTE Student Chapter
 - VSI Student Chapter
 - SAE Student Chapter

In Addition to the above Student Chapters, Department Associations and Student Clubs are formed to arrange Guest & Expert Lectures and Technical Trips.

c) Extra Curricular Activities:

- An Open air auditorium with a capacity of 3000 students
- An exclusive Student Activity Center 'Coliseum' with an Built-up area of 527.52 Sq. mts

- An exclusive state of art Sport complex named “ Kode Venkatadri Chowdary sports complex with a total Built-up area of 3171.34 sq.mts in three floors with the following facilities:
 - 3 wooden floor Badminton courts
 - Wooden floor Basket Ball court
 - 3 Billiards Tables
 - 10 Table Tennis Tables
 - 30 chess Boards
 - 12 caroms Boards
 - Gym with Imported equipment
 - Yoga Center with a permanent Instructor
 - Rest rooms for Players
- A separate Medical Center with full time Doctor, Nurse and adequate medicines
- A Crèche and Baby Care Center
- 2 NSS units with a total enrolment of 200 students
- The following Outdoor sports facilities are available
 - Cricket and Football Ground
 - 2 Volleyball Courts with flood lights
 - 2 Tennis courts with Synthetic flooring and Flood lights
 - 2 Basket Ball Courts with flood lights
 - 3 Badminton Courts

4.1.2. Master Plan of the college campus indicating the existing physical infrastructure and the projected future expansions:

Master Copy of the Campus Enclosed as Annexure –II Page No. 3.

4.1.3 Has the institution augmented the infrastructure to keep pace with its academic growth? If yes, specify the facilities and the amount spent during the last five years:

- Yes -

- All the faculty are encouraged to use ICT enabled facilities in the class rooms. In this connection all the professors and departments are given

laptops. Class rooms are provided with LCD projectors, OHP's with UPS facility at a Total cost of Rs 35 Lakhs approximately.

- An exclusive research and consultancy center is established in more than 1000 sq.mts Built-up area in the year 2007 to cater to the needs of Funded Projects, industry sponsored projects and Student Projects and fully equipped with a total cost of approximately Rs. 1.78 crores.
- An exclusive Civil and Mechanical Engineering Block is being Constructed at a total cost of Rs.13 Crores(approximate).
- A Student Activity Centre is constructed at a total Cost of Rs. 48.97 Lakhs

4.1.4 Details of facilities like common room, separate rest rooms for women students and staff:

- Yes -

- Separate common rooms and rest rooms are available for Girl students and woman staff members in the campus.
- Rest rooms are available with all facilities in the Sports Complex for the use of Girls.

4.1.5 How does the institution plan and ensure that the available infrastructure is optimally utilized:

- 2nd Shift Polytechnic(Diploma) Programme is started from the academic year 2009-10 with the concept of optimally utilizing the existing infrastructure facilities.
- Each department has planned to conduct Certificate courses, Vocational courses and Short-term courses for Students of the Institution and for the staff of the other institutions.
- Faculty members are encouraged to undertake consultancy and Technical services by utilizing the Institution's Infrastructure facilities.
- The departments conduct faculty development programs and short term courses with the existing facilities.
- Duplication of laboratories are avoided and shared by departments like Computer labs, Electronics labs etc.

4.1.6 Infrastructure facilities for differently-abled students:

- A Ramp and Wheel chair facility are available at the main building for differently abled students.
- 3 lifts are operated in the campus to reach the classrooms and laboratories
- Institute Provides scribe for writing examinations as per the guidelines of the university.

4.2 Maintenance of Infrastructure:**4.2.1 Budget allocation in 2010-11 for the maintenance of :**

- | | |
|---|-------------------|
| a. Land, Building & Furniture | - Rs 38.0 Lakhs |
| b. Equipment | - Rs. 9.10 Lakhs |
| c. Computers | - Rs. 3.9 Lakhs |
| d. Vehicles + Faculty transport Charges | - Rs. 30.25 Lakhs |

4.2.2 Institution ensure optimal utilization of budget allocated for various activities:

- HOD's Project their requirements in the department for the next academic year to the finance committee.
- In a Similar way the Heads of non-academic sections also project their annual budget requirements.
- Finance committee takes into account the possible revenue details and integrate all the requirements of the departments under different heads and communicates to the management for financial sanction.
- Finance Committee will ensure optimal utilizations for budget allocated under each head.

4.2.3 Does the institution appoint staff for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained:

-Yes-

- The Laboratory Equipment and Computers are maintained by regular Technicians appointed in the departments under the control of the Head of the Department
- Central Equipment like Telephones, Air Conditioners, Safety Equipments and Vehicles are maintained through AMC.
- The Building Maintenance, infrastructure, gardens, water, premises maintenance are carried out through the permanent Staff appointed by the college and Headed by the Estate Officer and Maintenance Supervisor of Engineering Cell.

4.3 Libraries as a learning resource:**4.3.1 Library advisory committee and its major responsibilities:**

YES, Library Committee constituted with a Professor as Chairman, and one faculty member from each department, one student member from each department. The Librarian acts as the Member Secretary of the Committee.

Its major responsibilities are:

- It acts as an interface between the clientele and the library.
- As the name suggests, it advises the library in the matters of improving the services, procuring the necessary materials, Books utilizing the library services to the maximum extent by faculty and students.
- Review the performance of the library and suggests the parameter to improve services in tandem with developmental activities.

4.3.2 How does the library ensure access, use and security of materials:

- All the materials received must be entered in to the Accession Register and endorse the accession numbers in the bills against the corresponding title before the payment is made. All the materials are duly stamped and assigned labels.

- Since it is Open Access, all the members Students/faculty/staff have accessibility of selecting their required materials in an open environment with the help of Automated Library Catalogue and the Library staff record both issues and returns.
- For outsiders on special permission from the Principal – Reading is permitted.
- Department library books for students & faculty –for Reading & Issuing.
- Digital library Access to students, faculty and staff.
- The digital library is automated with open source package D-space. This package can be accessed through IP Address <http://10.45.17.8:8080/Dspace>

Security:

- Library issues / receipts are computerized and need to enter details at the out gate.
- Baggage is not allowed into the library & is to be deposited at the Counter.
- Library staff at entry and exit gate check for the issue stamp.

4.3.3 Support facilities available in the library:

- The Library is fully automated with LIBSYS package and offers the Online Public Access Catalogue (OPAC) through an IP address in with the College LAN. With this students and staff can find out whether a particular book is available or not in the library.
- Digital Library: Digital Library with 21 systems with internet connectivity with exclusive 10 Mbps leased line.
- Library has a special Book Bank named ECONOMICALLY POOR STUDENTS' BOOK BANK, through which every student, whose parental annual incomes is less than Rs. 1 lakh will be issued 6 books at a time (in addition to the four books from general borrowing section) and they are to be returned to the library after the completion of end semester examinations.
- Book bank for SC/ST students, all the prescribed text books are issued for the entire semester.

- Reprographic facilities: Library has Photostat, printing and scanning facilities for students and faculty.
- The library offers Current Awareness Service (CAS), new books display, reprographic facility, book reservation through SMS, display of students and staff publications, and also offers Mobile Learning, E-learning services through PC based versions and mobile based versions (3GP) for its clientele.

4.3.4 How does the library ensure purchase and use of current titles, important journals and other reading materials? Specify the amount spent on new books and journals during the last five years:

The library requests indent from all the staff members and students to suggest books to the library through suggestion register. The library also purchases the prescribed text books and reference books from the syllabi. It also purchases books from exhibitions and publisher bibliographies. The library purchases foreign and Indian journals according to AICTE guide lines from time to time.

Following are the amounts spent for the Library during the last five years :

Sl. No.	Year	Amount spent/ Rupees in Lakhs
1	2007-08	17.83
2	2008-09	28.15
3	2009-10	26.52
4	2010-11	25.56
5	2011-12	23.58

4.3.5 Give details on the access of the on-line and Internet services in the library to the students and faculty? (Hours, frequency of use, subscriptions, licensed software etc.):

- The library has an exclusive 10 MBPS Internet line to access online journals and materials under the scheme of NMEICT through MHRD. The separately established Digital Library helps to access these online journals, NPTEL video lessons with 21 systems and seating facilities.

This Digital Library is kept open from 8.00 a.m. to 8.00 p.m. along with the library and attracts 40 to 50 users daily.

- The Library has subscribed to ACM, ASME, IEEE, Science Direct publications through Indest-Consortium.

4.3.6 Are the library services computerized? If yes, to what extent:

YES, the general library is computerized with LIBSYS package and all the transactions are managed with bar code technology. The Digital library is automated with DSpace open source package and loaded with more than 2000 E-books and nearly 2500 E-articles from leading publishers.

4.3.7 Does the institution make use of INFLIBNET / DELNET / IUC facilities? If yes, give details:

- Yes -

- The Library is utilizing DELNET facilities. The librarian has attended a seminar on Joomla at Delhi.
- This institute Library is a member of British Library.

4.3.8 Initiatives taken by the library staff to enrich the faculty and students with its latest acquisitions:

- Library and library staff conduct orientation classes to students on library usage.
- The Library displays the new books and latest acquisitions regularly on display stand and also display the list of news books on campus TV and mail to all the faculty and Heads of the departments.
- Prepared an Information Brochure about the services and resources in the library.

4.3.9 Does the library have interlibrary borrowing facility? If yes, give details of the facility:

- Yes -

The library has Inter Library Loan facility with the British Library Hyderabad and also with the neighboring colleges.

4.3.10 Special facilities offered by the library to the visually- and physically-challenged persons:

The library offers special seating facility in news paper room and provides ear-phones for listening to A-V materials.

4.3.11 Details Infrastructural development of the library over the last two years:

Year	Infrastructure development
2010-11	Seating capacity increased from 200 to 225 Stack space is increased by 20 sq. mts. 6723 volumes were added to the library total 4 No's of PC tablets are added to the existing digital library
2011-12	E learning center developed 6250 volumes are added to the total collection Seating capacity is increased to 250

The library has purchased a UPS, LCD for displaying video lessons, PC tablets for M-learning facility. The library is also equipped to offer webinar services.

4.3.12. Information services are provided by the library to its users:

- The library offers previous question papers in electronic format, online lecture notes, e-books from the syllabus.
- The library also conducts web search for locating rare books, downloading e-books and e-articles for research purpose for its clientele.
- Clippings of catalogues and leaflets of new text books is displayed and circulated.

The library also maintains project oriented materials like EFY Project volumes (24 Nos.) and Sona versity material, achieves of student projects and back volume materials.

4.3 ICT as Learning Resources:

4.4.1 Does the Institution have up-to-date computer facility? If yes, give details on the available hardware and software (Number of computers, computer-students ratio, stand alone facility, LAN facility, configuration, licensed software etc.):

- Yes -

- Total Number of Computers available in the Institute is: **1070**, all of them are Pentium – IV and above configuration with LCD/CRT monitors. All the computers are connected with Internet. All the computers are WIFI enabled. Most of the computers are connected through LAN.
- Computer student ratio of the Institute for both UG and PG courses is 1: 2
- The Institute has 30 Mbps Leased line facility connecting across all departments.
- A total of 23 licensed system software packages and 83 application software packages are available in the campus.

4.4.2 Is there a central computing facility? If yes, how is it utilized for staff to students:

- Yes -

- Institution has an Institute Computer Center with a total of 160 Computers connected in LAN.
- All the Staff members are provided with E-mail Id's with college domain name. Any latest Notice and information will be communicated through the Institute E-mail facility.
- Institutional Information/ Notices flashed through the centralized display system named “ Digital Signage” (16 LCD monitors are fixed in different locations of the campus) for the convenience of the staff and students
- Exclusive internet centre is made available to staff and students.

4.4.3 How are the faculty facilitated to prepare computer-aided teaching/ learning materials? What are the facilities available in the college for such efforts;

- Faculty are encouraged to use computer-aided teaching/ learning materials by providing necessary facilities and materials to them

- Faculty is provided with necessary material, Marker Pens on free of cost.
- All the class rooms are ICT enabled with power backup
- Any Reusable AV presentations and Documentation is maintained in the library.
- Digital video camera is provided in every department to record various events for their reporting and documentation.
- All the faculty are encouraged to have laptops for use.
- Most of the faculty members are provided with Computer facility with internet connectivity'
- All the professors are provided with laptops.

4.4.4 Does the Institution have a website? How frequently is it updated? Give details:

Yes, VNR VJIET has a website i.e www.vnrvjiet.ac.in . The updating of the information is carried out on daily basis. All the activities, Academic & Examination, Notices, co-curricular and extra-curricular activities are all displayed in the website regularly. Our web site is provided with a link to the Alumni Portal and Placement portal.

4.4.5 How often does the institution plan and upgrade its computer systems? What is the provision made in the annual budget for update, deployment and maintenance of the computers in the institution:

- As when required the Institution upgrades its computer systems and purchase new computers to replace the old computers.
- Adequate provision is made in the Annual Budget for the up gradation, replacement and maintenance of the computer systems.
- A total of Rs. 29,76,200/-Lakhs has been spent during 2010-11 for Purchase and Maintenance of the computers and software etc.

4.4.6 How are the computers and their accessories maintained? (AMC etc.):

Three exclusive, well experienced staff members are appointed on regular basis to maintain the computer systems available in the campus. Some systems are under AMC.

4.5 Other Facilities:**4.5.1 Give details of the following facilities:****a) Capacity of the hostels (to be given separately for boys and Girls):**

Total Capacity of the Hostel is: 250 Numbers

- Boys – 125
- Girls - 125

b) Occupancy:

Total number of students admitted in the hotels - 216

- Number of Boys – 110
- Number of Girls - 106

c) Rooms in the hostel (to be given separately for boys and Girls):

- Number of rooms for boys – 63
- Number of Rooms for Girls- 62

d) Recreational facilities:

- In girls common rooms indoor games facility is arranged with Table tennis tables, caroms and exercise cycles

2 Home theatres are available separately for Boys and Girls in the lunch rooms.

e) Sports and Games (Indoor and Outdoor) facilities:

- For Boys Volleyball and Badminton Courts are available with necessary equipment.
- For Girls Volleyball, Badminton and Throw ball courts are available with necessary equipment.

f) Health and Hygiene (Health Care centre, Ambulance, Nurse, Qualified Doctor) (full time/ part time etc.):

- A Health Center with a qualified full time doctor, Nurse, Attendant, College Vehicle, Stretcher, Two Beds, basic medicines and first aid equipment are available & Ambulance available.
- The Staff members of the Health center are:
 - 1) Dr. J. Seetaramaiah - Full time Doctor
 - 2) Smt. Victoria rani - Full time Nurse
- Health center Doctor is available 24 hours in premises of the college .

4.5.2 How does the institution ensure participation of women in intra-and inter- institutional sports competitions and cultural activities:

The following is the merit list of Girl students participated/Represented and prizes won in various competitions:

Name of the Student	Event Participated	Prize Won	Remarks
L. Anjana	Inter collegiate Basket Ball competition	Gold medal	She is captain of AP state women's team and JNTUH
A Alekhya Chowdary	Inter University Basket ball completion	University gold medal	Represented AP state Women's team
Anne George	Inter collegiate Badminton competition	University gold medal	Member University team
N. Amulya	Inter collegiate Badminton competition	University gold medal	Member University team
N. Monisha	Inter collegiate Basket Ball competition	University gold medal	Member University team
C. Vasumathi	Participated in national championship	Participation	Captain of JNTU Women's tennis team
K. Sujanya	Participated in all india inter University hand ball tournament	Participated	Member JNT University team
Jaya Sajaj vani	Intercollegiate table tennis tournament	Gold medal	Captain of JNT University Team
Navya Rao	Inter university Swimming competition	participation	University team member
Y Sruti	All india Inter University Badminton tournament	Participation	Member JNT University Team

Total of 622 girl students have participated in intramural and extramural sports and games activities from the college.

- The information related to intra and inter institutional sports competitions and cultural activities are informed through notices and display systems installed in various locations of the college
- Many girl students participate in inter Institutional competitions.

- Separate courts and facilities are created for the girl students.
- Coaches are appointed for various sports.

4.5.3 Details of the common facilities available with the Institution (Staff room, day care centre, common room for students, rest rooms, health centre, vehicle parking, guest house, Canteen, telephone, internet cafe, transport, drinking water etc.):

S.No	Common facilities	Availability(YES/ NO)
1	Staff room	YES
2	Day Care Centre	YES
3	Common room for students	YES
4	Rest rooms	YES
5	Health Center	YES
6	Student activity center	YES
7	Vehicle parking	YES
8	Guest house	YES
9	Canteen facility	YES
10	Internet center	YES
11	Transport facility	YES
12	Drinking water	YES
13	ATM	YES
14	Generator facility	YES
15	Power Backup	YES
16	Wheel Chair facility	YES
17	Lift facility	YES
18	Intercom facility	YES
19	Wi-Fi Campus	YES

4.6 Best Practices in Infrastructure and Learning Resources:

4.6.1 Innovations/best practices in 'Infrastructure and Learning Resources' are in vogue or adopted/adapted by the institution:

- Adequate physical facilities are available in the campus for proper execution of academic programmes, co-curricular, extra-curricular activities and future needs.
- Class rooms are provided with modern ICT equipment with power Backup facility.
- All the laboratories are well equipped to meet the academic requirement and they are optimally utilized by introducing variety of courses like 2nd shift Polytechnic Course, certificate courses and training programmes.

- Library is furnished with Adequate Number of Books and Journals, works from 8AM to 8PM.
- Library also has books for competitive examinations, other recruitment tests.
- Library has an exclusive Digital Library with the Subscription of peer reviewed ON-Line E-Journals, and CD's/DVD's of expert lectures.
- Digital Library is running a 10 Mbps exclusive dedicated leased line Internet connection
- Library has a display room with LCD facility, where videos of latest R&D innovation are displayed. The same is also displayed in 16 LCD TV's installed in different location of the campus to enlighten and inspire the students and staff members.
- An exclusive student activity center building to carry out all professional student chapter activities.
- An exclusive sports complex with Physical directors appointed for Boys and Girls separately. Instructor for Yoga and Meditation is appointed and regular classes are conducted for students and staff.
- Sports complex is fully equipped with the state of art world class facilities.
- An exclusive Research & Consultancy Centre is established with fully equipped 7 Research Laboratories at a cost of Rs.1.78 crores.

CLASS ROOM



Library Facilities



Sports Facilities



Criterion V: Student Support and Progression

5.1 Student Progression:

5.1.1 Socio-economic profile (General, SC/ST, OBC etc.,) of the students of the last two batches:

Socio-Economic Profiles:

	General	SC	ST	OBC	Total
2011-2012	396	85	34	265	780
2010-2011	388	71	33	228	720

5.1.2 Institution efforts to minimize the dropout rate and facilitate the students to complete the course:

Drop-out Rate of students is minimal and students are counseled and parents are informed about the status of students on regular basis.

	I to II	II to III	III to IV
2010-11	02	- Nil -	- Nil -
2009-10	02	- Nil -	- Nil -
2008-09	01	01	- Nil -
2007-08	02	01	02
2006-07	03	01	- Nil -

5.1.3 Details of percentage of the students progress to further studies and for employment (UG to PG to Ph.D. and / or to employment) in last two years:

	UG to PG	PG to Ph.D
2010-11	18%	Nil
2009-10	19.5%	01%

5.1.4 Institute facilitate the placement of outgoing students:

Head, Training and placement cell: Sri. D. Pardha Saradhi

Employment and Placement Record for last 5 years:

Year	Percentage of Students Placed on Campus	Percentage (%)
2010-11	463	91.16
2009-10	418	97.66
2008-09	172	42.89
2007-08	320	78.04
2006-07	343	86.18

Institute has exclusive Training and Placement Cell, headed by an Officer, Training officer and office staff. The cell has student interview rooms and discussion rooms. The institute has integrated the process of Mentoring, Training and Placement Record used and updated by students regularly. The cell assists students by providing training in Communication Skills, Soft Skills, Technical Training, Personality Development Activities²²² and Organize Job Oriented Courses.

5.1.5 Institution support to students in qualifying various competitive examinations: Details of Students coached, appeared and qualifies in (UGC-CSIR-NET, SLET, GATE, CAT, GRE, TOFEL, GMAT, Civil Services- IAS,IPS,IFS, Central/State services etc.) for last five years:

Success Rate of Competitive Exams:

Year	GATE	GRE/TOEFL	GMAT/CAT/IMAT
2010-11	08	51	18
2009-10	11	58	11
2008-09	07	30	20
2007-08	06	60	10
2006-07	-	17	04

5.1.6 Comparative analysis institutional academic performance with reference to other colleges of the affiliating University and the university average(Pass percentage, Distinctions, Gold medals and University Ranks, Marks obtained in relation to university average etc.(Last five years' data):

Academic Performance for last Five years

Year	Pass %	No. of I Classes	No. of Distinctions	Pass %	No. of I Classes	No. of Distinctions
UG Ranks: 22				PG		
2010-11	79.5	215	199	81.2	26	30
2009-10	73.6	193	204	79.2	24	35
2008-09	86.2	235	166	77.7	33	22
2007-08	94.1	226	184	75.3	23	31
2006-07	98	215	157	56.5	10	19

Institute pass percentage is more than University pass percentage

University Gold Medals

Year	Branch	Name of the Student	RANK & GOLD MEDAL
2010	CE	Boggarapu Ram Kumar	JNTUH Gold Medal for the Best Outgoing student in Civil Engg.
	ECE	Vinay Kumar Chaparala	*JNTUH Gold Medal for the Best Outgoing student in ECE, *JNTUH Gold Medal for the Best Outgoing who got highest marks in Mathematics-I, *JNTUH Gold Medal for the Best Outgoing student in all JNTU affiliated Colleges
2009	EIE	Apoorva Rao	DVS Raju Endowment Gold Medal-2009 by Instrumental Society of India for the topper in EIE Branch
	CE	Pradhan Sowmen	JNTUH Gold Medal for the Best Outgoing student in Civil Engg.
2006	EIE	K. Usha	XXIII Convocation of JNTUH

	CSE	Bhairavi Gandhi	XXIII Convocation of JNTUH
2005	ECE	R.V.Kamala	JNTUH Gold Medal for the Best Outgoing student in ECE & Pisapati Supriya Desai Gold Medal for best outgoing student in ECE in
2004	ECE	V.Vijitha Reddy	Best outgoing student ECE out of all affiliated colleges in XX convocation

- A total of 27 Gold medals were award for the out going students with Best Academic Performance every year by the Institute.
- Academic Toppers in all Branches of Engineering and all years were given Book prizes.

5.2 Student Support:

5.2.1 Details of Institute publications and information disseminated to students through these publications of updated prospectus, handbook and other student information material annually:

Institute Annual Publications:

1. Institute Information Brochure / Prospectus
2. Mentoring, Training & Placement Record
3. Lab Manuals / Records
4. Institute Calendar for 18 months
5. Syllabus books
6. Academic Hand books
7. Knowledge Asset
8. Project Arcade
9. Project Compendium

Dissemination of Informatics:

- Institute publishes an **Information Brochure / Prospectus** with the Autonomous Structure of the Courses, Rules and Regulations and issues to every student at the time of Admission. This enables the Student to plan one's own academic progress right from the first semester of the first year

onwards. **Academic Calendar** for the academic year is published and displayed on all Notice Boards.

- The Institution has a practice of publishing “Vignana Deepikalu” a profile of all the outgoing students of the institute every year.
- The students publish campus News letter every semester.

College Website:

The Institute maintains its own website www.vnrvjiet.ac.in which is linked to the institute automation centre which in turn furnishes on-line information related to. Course Work, Instructors, Class Schedules, Lesson Plans, Course Handouts, Lab Handouts, Assignments, Attendance, Internal Marks, etc. Information on Website is updated regularly.

5.2.2 Institute provides need based financial aid to students:

- Type and number of scholarships/ free-ships given to the students during the last academic year by the institution (other than those provided by the social welfare departments of the State or Central Governments)is given below:
- Full or Part-free ships are sanctioned on case-by-case basis on requests by Students and Parents. Details of Scholarships and Freeships are presented in the following table:

TUITION FEE WAIVED AND SCHOLARSHIP DETAILS FROM 2008 TO 2011

S.No.	PARTICULARS	2008-2009	2009-2010	2010-2011
1	TUITION FEE WAIVED 2008-2009 (2 Students) 2009-10(16 Students)	Rs.49,500	Rs.42,9200	-
2	RISHI TURUPARI(alluminus of CE Student Sponsoring Tution Fee To The Present Students 2008-2009 (1 Student) 2009-10(2 Students) 2010-11(3 Students)	Rs.33,200	Rs.66,400	Rs.1,00,400
3	G.RAMCHANDER&SAMPATH KUMAR (alluminus of CE Student Sponsoring Tution Fee To The Present Students 2009-10(1 Student) 2010-11(1 Student)	-	Rs.33,200	Rs.33,200
	Total	82700	528800	133600

5.2.3 Details of schemes for student welfare: (Insurance, subsidized canteen facilities, special diets, student counseling support, “earn while you learn” scheme etc.):

Institute supports all student welfare activities such as: Exclusive Canteen facility, Student Activity Centre for use by all Professional societies and, Cultural clubs, etc., NSS activities, Mentoring, Training and Placement activities.

5.2.4 Types of support services are available to overseas students:

There are no overseas students enrolled in the Institute.

5.2.5 Details of the placement and counseling services for the students:**Placement and Counseling Services to Students:**

Placement and Counseling Services are provided through MTP Cell. All Registered Students with IRP division attend Special Campus Placement Training. Career Counseling Program comprise of Verbal Ability, Quantitative Aptitude, Analytical and Logical Reasoning, Group Discussions and Mock/HR Interviews. The Departments also offer special coaching to improve Technical Skills.

5.2.6 Institution encourages and develop entrepreneurial skills among the students:

An Entrepreneurship Development Cell is established through AICTE grant of Rs.8.00 Lakhs III and IV B.Tech. Students take active role in ED Cell activities. This Cell organizes Workshops in association with Small Scale Industry Department (SSI), GOI and APSFC, APIDC, MSME etc to familiarize Students on various aspects of Entrepreneurship. This Cell also promotes Student Contests, writing Project Proposals for development of new Businesses. This cell works closely with NEN.

M.Tech students were given Teaching assignments while they are doing their 2nd year Project work

5.2.7 Details of services provided in faculty participation in academic and personal counseling during the last academic year:

- Periodical General Counseling by Principal, HODs to all batches of Students. Weak Students are further counseled by Senior Faculty of the Department.
- Each Faculty member is allocated 8-10 Students for Counseling. Formal Counseling on both academic and non-academic issues is provided: When needed the faculty members take the help of HOD who in turn counsels students. Specific Cases are referred to the Principal if necessary.

5.2.8 Separate guidance and counseling centre for women students:**Special Counseling of Women Students:**

Girl Students are counseled adequately by Women Faculty. An exclusive Counseling Bureau headed by a Woman Counselor is being planned for counseling of Girls.

5.2.9 Cell/Committee constituted for prevention/action against sexual harassment of women students:

-yes-

A committee is constituted for prevention of sexual harassment of women students. No grievance is reported in the last two years.

5.2.10 Grievance redressal cell:

- Yes -

Functions and major grievances redressed during the last two years:

- a) General grievances of students and staff are addressed by Head of the Departments and recommended to Principal/Management for redressal if needed. If the grievances cannot be resolved by the Committee they are forwarded to the Institute Grievance Redressal Committee.
- b) Institute Grievance Redressal Committee is chaired by the Professor with membership drawn from the College Faculty who shall initiate the necessary actions. Complaint boxes are placed at different locations of the college. No case is reported in last two years.

5.2.11 Provision for acquiring computer skills / literacy for all students, in the curriculum and how it is imported and level of proficiency:

- Yes -

All branch students have Computer workshop, Computer Programming and Data structure Courses and Laboratories in their curriculum. Students are provided rigorous training to acquire computer knowledge and related software proficiency. Hence, the placement of students has been made easy. All the laboratories are open beyond class working hours. Exclusive Internet lab is provided to all the students, to access latest knowledge and acquire Proficiency in their respective field.

5.2.12 Value-added courses to develop life skills are introduced by the institution:

(Career training; community orientation; good citizenship and personality development of students, etc.)

In order to enhance the quality of education and for better employability of Students the Institute:

- Procures machines or Hardware like CNC, Embedded Processors, etc.
- Procures specialized software for simulation/emulation, design and testing
- Offers specialized certificate courses to Students during their study.
- Communication and Soft Skills Training for personality development.
- Industrial Visits, Training and Industrial Projects.
- Research-Oriented Projects as a part of Curriculum Project
- Involving Students in Sponsored Projects
- Presentation of Research Papers in Conferences
- Yoga, Meditation and Youth empowerment skill programmes are organized

5.2.13 Safety and security measures for the safety and security of students, faculty and the institutional assets:

- Every Department is equipped with proper firefighting equipment in all the Laboratories and Common Areas

- Proper firefighting equipment in all Central Facilities like seminar halls, libraries and canteen.
- Generators as back-up for Street and corridor lighting
- Safety measures with Charts are displayed in all Laboratories
- All electrical machinery/ mechanical department equipment is provided with proper safety guards/ mesh guards.
- All equipment in all Laboratories is connected with proper and perfect earthing system.
- Proper Dress Code for Students in workshops is implemented for safety.
- Central security is arranged which is headed by Chief Security Officer.

5.3 Student Activities:

5.3.1 Institution Alumni Association:

YES

Allumni Association of the Institute is a registered body with the following office bearers

i. List of current Office bearers:

S.No.	Name	Designation
1.	Mr. K. Rahul	President
2.	Mr. K. Vinodh Kumar	Vice-President
3.	Mr. N.S.Krishnakanth	Secretary
4.	Mr. Chandrakanth. R. Terupally	Joint Secretary
5.	Mr. Sriharsha.K.S.R.A	Treasurer

- ii. **Activities during the last two years:** Alumni Association has its Headquarters on the Campus with several chapters in India and Abroad in USA, UK, Australia. The Campus Chapter gathers information of graduating Students from Departments and recruits them as Alumni Members. It also maintains an Alumni Database and exclusive Alumni portal is developed.

Alumni Association activities include:

- Circulate the details of Alumni to the present Students for their benefit
- Invite Alumni for Guest Lectures

- Forward Alumni information T&P Cell who in turn take help from Alumni for placement of present Students
- On-line Registration of Alumni
- Conduct General Body meetings for the Local Chapters once-a-year
- Email News Letters, Calendar of Events etc.
- Receive suggestions from Alumni for College Development
- Celebrate Alumni Day on the last Saturday of December every year

iii. Details of the top ten alumni occupying prominent positions:

S.No	Name of the Alumnus	Position Held
1.	Dr.Ravi Vijaya Satya	Research Scientist Henry M. Jackson Foundation, U.S.A
2.	Dr.Dinesh Pinisetty	Post Doctoral Programme Louisiana State University
3.	Dr.Venkata Krishna	Doctoral Programme on Nanomaterials, U.S.A
4.	Dr.Fiaz	University of Florida, U.S.A
5.	Sirish Krishna.P	I.I.M., Indore
6.	Pradeep Chowdary	BHEL, R &D
7.	Rahul.K	C.F.O, SCCI, Hyderabad.
8.	T. Naveen Kumar Reddy	Program Manager, TCS, Hyderabad
9.	D.Ravi Teja	Hyundai, R & D
10.	Chandrakanth Reddy	Entrepreneur, M& T

iv. Details of the contribution of alumni to the growth and development of the institution:

Alumni contribute to the overall development of the College in various ways:

- Suggestions to improve Syllabi, Laboratories.
- General Advice related to Careers, needed Skills etc
- Guest Lectures
- Improving Industry-Institute Interaction
- Placement of the Students
- Instituting Scholarships
- Facilitating Admissions in Foreign Universities

- Quantum of assistance given by alumni is Rs. 5 lakhs towards scholarships and other assistance.

5.3.2 Institution encouragement the students to participate in extra-curricular activities including sports and games:

Details of the achievements during the last two years (Institution level/ Inter-collegiate / Inter-University / Inter-state / National/ International):

Extra-curricular Activities and sports Activities:

- Institute has good sports fields and excellent state of the art indoor Sports Complex. Exclusive Basketball and Volleyball Courts to play night matches for both boys and girls. Institute organizes Annual Inter Engineering Sports Fest, SLAST every year.
- Cultural activities like singing, dancing, drama, painting etc., are organized. Competitions on larger scale are organized. The final competitions are conducted during college day celebrations. Sports like cricket, badminton, table tennis, chess etc., are organized and prizes are distributed on the Sports Day. Institute organizes Cultural Fest, Scintillationz every year inviting students from different Engineering Colleges. Many students are members of various Professional Societies and also participate in Departmental Association activities.
- Institute encourages Students to participate in inter collegiate, inter university and international competitions.
 - a. TA and DA are provided to Students representing the College
 - b. Sports Uniform and Sports Kits are provided
 - c. Special trainings are provided through coaches for most of the events.

Sports Achievement and Performance of students in last 2 years:

Year	Inter Colligate	Inter University	National
20010-11	19	8	4
2009-10	22	9	5

5.3.3 Institution involvement in encouraging students to publish materials like catalogues, wall magazines, college magazine, and other material:

Students are encouraged to participate in all the above activities and involve in controlling activities and publishing. List of major publications/materials brought out by the students during the previous academic session:

1. Vignana Vahini – Institute Annual Magazine
2. Vignana Vartha – quarterly news letter
3. Wall posters for Cultural fest, Tech. Fest, Sports Fest, every year
4. Sponsorship Catalogues for the events
5. Publishing material for all NSS and other Institute activities.

5.3.4 Institution Student Council or any similar body and details on its constitution, major activities and funding:

In Departmental Associations the students are the only members, to organize any technical cultural event. Students groups are there in different activities like Sports, Cultural, Co-curricular, Social science, Spiritual activities. All the activities under those groups are organized by the students. Institute fests like Sports fest, Cultural fest, Technical Fest are organized by the students, and Funds will be raised by the students through sponsors. Institute also provide funds for those activities.

Class representatives are appointed by the HOD based on merit and grooming for the leadership.

5.3.5 Details of the various academic and administrative bodies and their activities (academic and administrative), which have student representations on them:

Students are members in several Institute-wide Committees besides being quite active in Departmental Committees and participation.

- Transport Committee: deciding routes, timings etc.,
- Library Committee: suggest special titles, text books sufficiency, general facilities in library.
- Sports Committee: organizing facilities like sport-kits etc.,
- Canteen Committee: Monitor quality of food.
- Hostel Committee: general facilities and adequacy.

- Fest Organizing Committee
- Class Review Committee

5.3.6 Institution Mechanism to seek and use data and feedback from graduates and from employers, to improve the growth and development of the institution:

- Feedback is obtained from the students periodically. This feedback is analyzed and corrective actions are taken for improvement.
- Feedback is obtained from Alumni through Alumni meetings and the suggestions are implemented.
- Feedback is collected by the employees and used for development of Institute.
- Feedback from the Employers.

5.4 Best Practices in Student Support and Progression:

5.4.1 Details of institutional best practices towards Student Support and Progression:

- Mentoring, Training and Placement Cell: Special coaching for placement, industry visits and training, live projects, through virtual industry.
- Language Lab, group discussions/mock interviews, soft skills training, communication skills training is arranged to the students.
- Certificate courses, Seminars, Quizzes, Paper contests, Students counseling, Membership activities are organized.

Student Support services broadly classified as:

- Student Service Centre
- Registration and records services
- Tutorial and remedial services
- Counseling services
- Library services
- Value addition services
- Institutional networking services
- Career guidance services
- Placement services
- Feedback services

- Alumni services
- Community services through NSS activities
- Grievance redressal cell

Criterion VI: Governance and Leadership

6.1 Institutional Vision and Leadership:

6.1.1 Institutional Vision, Mission statement:

Vision: A Deemed University of Academic Excellence for National and International Students meeting Global Standards with Social Commitment and Democratic Values.

Mission: To produce Global Citizens with knowledge and commitment to strive to enhance Quality of Life through meeting Technological, Educational, Managerial and Social challenges

Institutional Vision, Mission and activities in tune with the objectives of higher education policies of the Nation.

Objectives:

- To make it a 'Centre of Excellence' in cutting edge technologies effecting plurge innovations for the economic prosperity and social stability of the Country.
- To develop the best technological Library in the State.
- To transform students into democratic and honest citizens.
- To impart and nurture hardworking and community serving value system.
- To develop socially useful technologies
- To maintain high quality education and services.
- To provide quality engineers, scientists and managers to the nation.

Goals:

Long Term:

- Acquire Deemed University Status
- Establish Best Technological Library
- Admission of International students
- Develop Socially useful Technologies
- Achieve Patents & IPR's

- Publication in International Journals
- Publication of High quality Books

Goals – Short Term:

- Autonomous Status
- Offer Ph. D. Programmes
- Establishment of Research Centers
- Collaborations with Foreign Universities

Quality Policy:

- Impart up-to-date knowledge in the students' chosen fields to make them quality engineers.
- Make the students experience the applications on quality equipment and tools.
- Provide quality environment and services to all stakeholders.
- Provide systems, resources and opportunities for continuous improvement.
- Maintain global standards in education, training and Services.

6.1.2 Management's Commitment, Leadership role and involvement for effective and efficient transactions after teaching learning process:

- Governing Council meets twice yearly
- Encourage Faculty/Staff to improvise methodologies to make a pleasant teaching learning process a pleasant activity.
- Exercising Primary control over the day-to-day activities
- Well practiced Organization setup for leadership functions
- Chairman Governing Council interacts with faculty and Heads of Depts. once in a month on 2nd Saturday and reviews the process in administration, research projects, etc.
- Faculty recruited with academic excellency
- Research Grant provided adequately
- Non Interference into Academic Activities
- Pro active and quality management

Institute policy is prepared and implemented for effective functioning of all academic and administrative units based on quality management system viz.

Education Process Reengineering (EPR). All the academic activities in the Departments are well designed and the responsibilities of different designated functionaries are clearly demarked for effective implementation and achieving the results. Academic, Administrative and Financial audit is being carried out in the Institute through an internal Quality Assurance Cell. Thus ensures Total Quality Management of all functional details in the Institute Policy by Departments and Sections.

6.1.3 Management and Head of the Institutions entire responsibilities are defined and communicated to staff:

The management of this institute is a well-established and structured functional set-up, which is fine tuned to meet the Institutional mission and achieve the goals

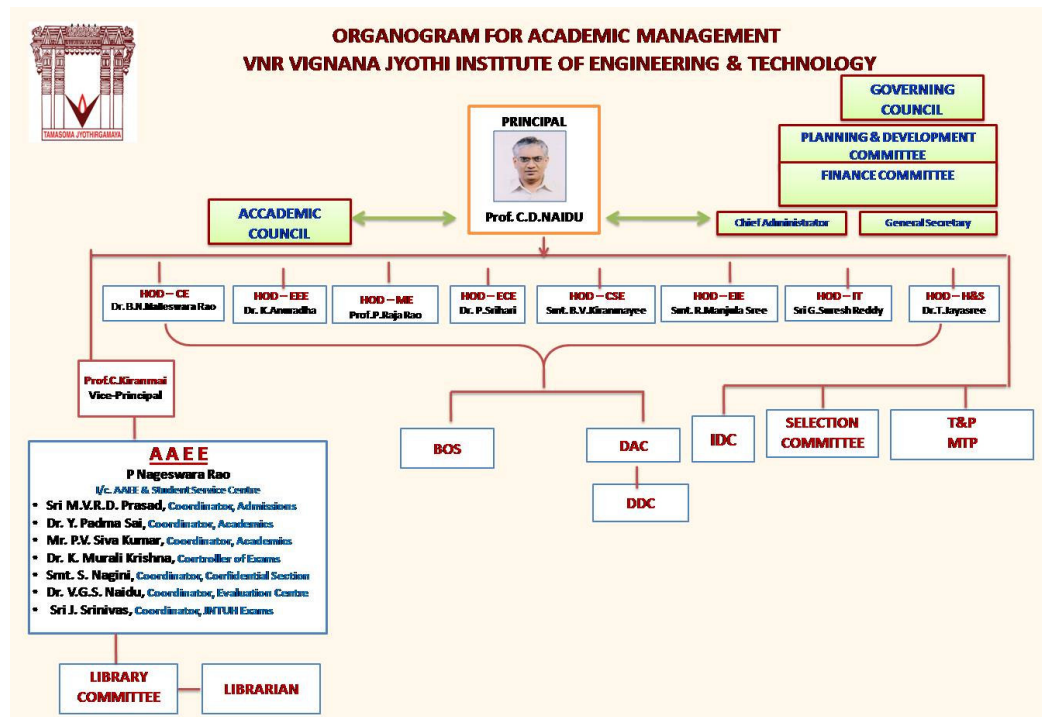
The Principal's functions include:

- Providing leadership to achieve the Objectives and Goals of the Institution in a sustained and consistent manner and reaching the Mission
- Implementing policies and decisions taken by the Board of Management
- Exercising primary control over day-to-day functioning of the Institute and ensuring discipline
- Plan various academic/ non-academic schedules, ensure their implementation
- Counseling faculty / staff / students and guiding them discharge their responsibilities in accordance with the institute policies.
- Conduct parents meet and explain the college mission etc.
- Conduct Academic Council, BoS, and IDC meetings.
- Conduct meetings with Industry or Employers to collect feedback
- Conduct RCC/EDC, IIPC meetings.

6.1.4 Review of Institutional activities by Management/Head of the institutes having adequate information from feedback and personal contacts, etc.:

- Management will review the activities of the institute every three months during Planning and Development Committee meetings and once in six months during Governing Council meetings.
- Chairman, Governing Council will review the activities of the Institute once in every month on 2nd Friday as per the Institute Calendar.
- Principal will receive information through feedback on faculty and through personal interactions.
- Information is gathered through informal interaction and also during Departmental reviews.

6.1.5 Involvement of Management and Staff in effectiveness and efficiency of the Institutional processes:



- The management functioning is a synthesis of effectiveness and efficiency

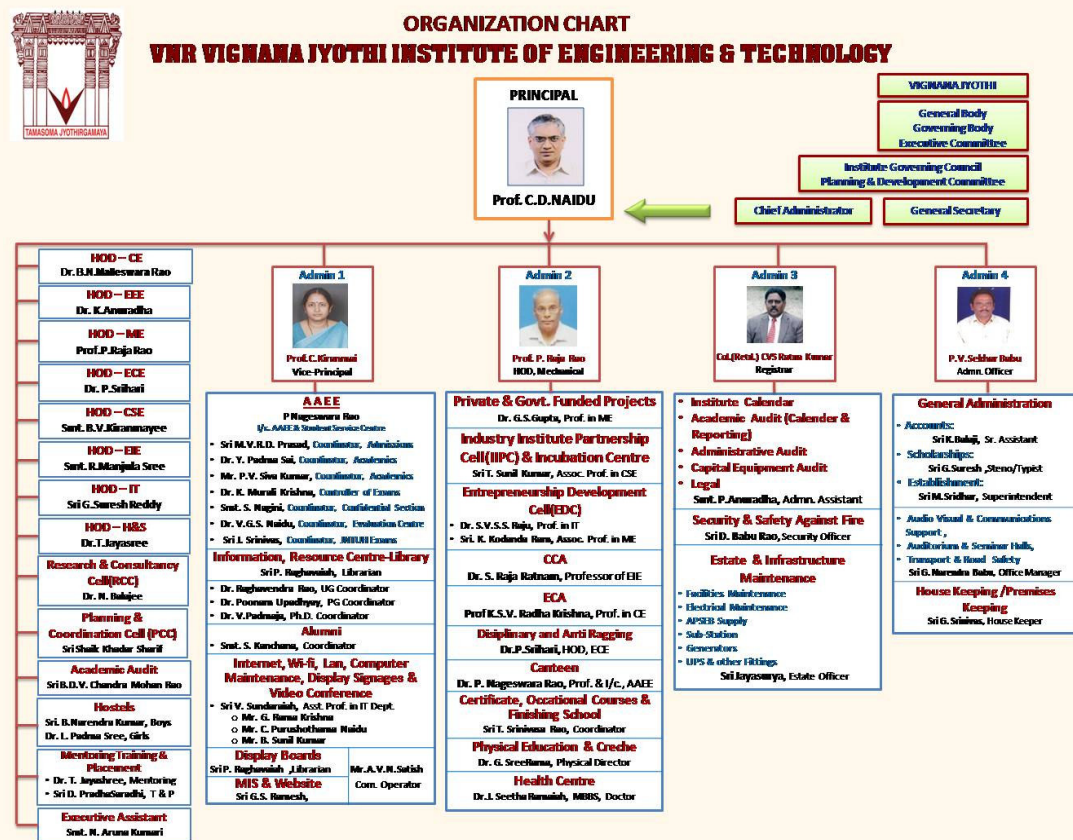
6.1.6 Leadership role of head of the Institution in:

Principal will make sure that students and faculty/staff participate in all the activities of the Institute.

- Principal is drawn from the faculty and leads from the front
- Functions as first among equals
- Pro-active and functional approach
- Decentralization and participative administration
- Makes every staff member to put their best effort for institutional activities

6.2 Organizational Arrangements:

6.2.1 Organizational Structure of Academic and Administrative bodies and details of meetings held, and decisions taken by these bodies:



Academic and Administrative Bodies:

1. Governing Council (Governing Body)
 2. Institute Academic committee
 3. Planning and Development Committee
 4. Institute Development Committee
 5. Grievance redressal Committee
 6. Anti-ragging Committee
 7. Prevention of Sexual harassment Committee
 8. Library Committee
 9. Sports Committee
 10. Disciplinary action Committee
 11. Cultural Committee
 12. Literary activities Committee
 13. Institute Magazine Committee
 14. Malpractices prevention Committee
 15. Class Review Committee
- Governing Council is constituted as per provision of UGC/AICTE Governing Council meets twice in a year. Minutes of the last two meetings held on 21.01.2011 and 09.09.2011 is furnished below.
 - Planning and Development Committee (PDC) meets once in three months and reviews all functions of the institute in which the faculty are also members. The minutes of the last two meetings held on 29.07.2011 and 11.11.2011 is given below.

6.2.2 Administration decentralization with different sections/ departments and personnel of the Institution in order to improve quality of educational provisions:

- Policy decisions and budget approvals made by the Governing Council for all programmes.
- All the heads of departments and sectional heads of different units work independently and innovatively. Faculty in-charges for several sub-committees in the department work independently. Faculty participation in the institute level committees such as Academic Council, Finance

Committee, Sports Committee, Hostel Committee, etc. has been planned to monitor and take appropriate decisions.

6.2.3 Internal coordination and monitoring mechanisms:

- yes-

- a) Internal coordination and monitoring is achieved through the following committees:

Finance Committee, Grievance Redressal Committee Extra-curricular and Co-curricular activities Committee, Library Committee, Industry Institute interaction cell, Hostel Committee, Sports Committee, Canteen Committee, Transport Committee etc.,

- b) The Mechanism employed for coordination and monitoring is

- HODs / Chairmen of these committees will conduct meetings and monitor effective implementation of the decisions taken.
- Principal conducts the meetings with the chairman of the committees collects feed-back offers necessary suggestions and take collective decisions for effective implementation of policies and smooth conduct of all the activities.

6.2.4 Grievance Redressal Cell: (No. of grievances redressed during last two years):

yes

- There is a Grievance Redressal committee for faculty and staff of the institute. The committee consists of Heads of the department, woman faculty and students.
- No case is reported for last two years.

6.2.5 No. of Management meetings with staff in an Academic year and major issues discussed in last meeting:

Twice in an academic year

Management and staff meet a minimum of two times in a year. The Chairman of the Governing Council of the Management will interact with HoD's on every 2nd Friday and also with research groups every month.

The following points are discussed in the last meeting

- Academic calendar – Schedules

- Status of Research Projects
- Time Management Reports
- Implementation of VNR Lab protocol
- Advised the faculty pursuing Ph.D to complete at the earliest and register for Ph.D at the earliest.

6.2.6 Cell to prevent sexual harassment of women staff:

yes

Yes there is a cell to prevent sexual harassment of women staff, separate Women's Grievance Cell chaired by a Woman Faculty is operative to look into gender-related offences. It will take care of any complaints / reports in this regard. No such cases are reported till date.

6.3 Strategy Development and Deployment:

6.3.1 Procedure of developing the perspective institutional plan:

- A long term 5 year perspective development plan (2011-2016) is prepared for the Institutional Development and Departmental Development.
- At the departmental level Department Development Committee (DDC) prepares the Departmental perspective plan
- Institute Development Committee prepares overall perspective plan, integrating all departmental and institutional level plans.

6.3.2 Objectives Communicated and deployed to all levels to ensure individual employees contributes for institutional development:

- Vision, Mission and Objectives have been communicated to all the faculty and staff and students of the Institute
- The employees at all levels Faculty/ Staff are involved in various Committees with the aim of achieving the objectives for the Institute development.
- Faculty are involved in Research and Development and Industrial Consultancy.

6.3.3 List of different Committees constituted for the management of different institutional activities, Meeting held & Minutes:**List of Committees:**

1. Governing Council
2. Planning & Development Committee
3. Anti Ragging Committee
4. Institute Academic Committee; Institute Development Committee
5. Executive Committee
6. Canteen Committee
7. Grievance Redressal Committee
8. Hostel Committee
9. Library Committee
10. Anti ragging Committee
11. Research Committee

Minutes of Academic committee meeting:

- Approval of B.Tech course structure and I year B.Tech syllabus: The course structure and 1 year B.Tech syllabus have been approved by the members. However, the members suggested to include electives from the 1st year itself to make the students industry ready.
- Approval of M.Tech course structure, syllabus and Regulations: The Principal informed the members that the Institute is following the University's M.Tech course structure, syllabus and Regulations and no change has been made after attaining Autonomous Status. M.Tech course structure, syllabus and academic regulations have been approved.
- Academic Regulations: The members suggested the following points to be incorporated in the B.Tech Academic Regulations:
 - To define clearly the regulations regarding Promotion policy on the B.Tech lateral entry students.
 - To consider the best of two internal mid - examinations for calculating internal marks in any Semester.
 - To conduct supplementary examinations of odd semester along with even Semester Regular examinations and supplementary examination of even semester along with odd Semester Regular examinations.

- Under academic requirements for promotion from III year to IV year the minimum number of credits are 62.
- Transitory Regulations – Suggestion from the members to include – students to take up equivalent subjects as substitute subjects in place of repetition of subjects, as decided by the Institute Academic Committee.
- Admission procedure to be mentioned in the Academic Regulations book in accordance with the State Government and University guidelines from time to time
- The University will pass on the guidelines to the newly constituted Autonomous Colleges regarding submission of data including attendance and marks of the students soon.
- Malpractice Rules need not be specified in Academic Regulations.
- Condonation of Attendance clause to be mentioned with more clarity.
- Academic Regulations for B.Tech courses are approved by incorporating the above suggestions.
- The Principal expressed thanks to the members for accepting our invitation and attending the Academic Council meeting and also for their valuable suggestions.
 - Boards of Studies first meeting of all Faculty is conducted on 10.09.2011. The Course Structure and Syllabus of UG and PG Course are discussed and finalized.
 - Finance Committee meetings held minimum twice a year with the Heads of departments are members of the Committee.

6.3.4 Management Information Systems (MIS):

To acquire and integrate data and information on Academic and Administrative aspects:

Management Information Cell (MIS) is established with one senior faculty in charge and qualified computer professionals. The MIS cell is equipped with full fledged server and clients with relevant MIS software. This cell maintains the attendance, results, database of students and this information is also available through IVRS system to parents. Parents are provided with a

password to access IVRS to know performance of their ward. This cell also maintains website, Digital notice boards etc.

6.3.5 Data and Information obtained from feedback used in decision-making and performance improvement:

- (a) Various data and Information is obtained through feedback about the faculty on various parameters. Each parameter is analyzed and evaluated on 4 point scale. The evaluated points are communicated to faculty and is advised to improve upon, if the performance is poor.
- (b) Class Review Committee(CRC) is constituted, members consisting of all class teachers, HoD and student representatives. Feedback is obtained on various points like syllabus covered, understanding of the subject and on teaching methodology adopted by different teachers. Based on this feedback information, corrective measures are initiated.

6.3.6 Institution's initiatives for promoting co – operation, sharing of knowledge, innovations and empowerment of the faculty -

Institute encourages faculty to conduct Short-term Courses, Workshops, Conferences, Faculty Development Programmes etc. The Faculty members conducted many programmes.

- (a) Knowledge Sharing sessions are conducted every week among faculty on various topics across all the departments.
- (b) Faculty are provided excellent encouragement for Research and Innovation. They are encouraged to adopt innovative teaching methodology making use of all the ICT and digital library facilities and are trained in pedagogy and in adopting best practices.
- (c) Faculty are encouraged to publish, write research papers and are given research incentives for publications, writing books, etc.
- (d) The faculty are also encouraged to submit research project proposals to various Govt. and private funding agencies. An incentive of Rs.5000/- is given for each project proposals.
- (e) Skill sharing across departments is encouraged through cross domain laboratories and projects.

6.4 Human Resource Management:

6.4.1 Institute Mechanisms of:

- (a) **Performance Assessment:** Faculty performance is assessed through Teaching learning process, Research publications, Conduct of workshops, Faculty development programmes, involvement in the development activities of department and Institute, etc.
- (b) **Self-appraisal method:** Faculty and Staff are required to submit their assessment through self appraisal form. The self appraisal form is studied by the Principal and the Management. The suggestions, remarks are communicated to the faculty on specific points for improvement. Staff annual increments are linked to their self appraisal form.
- (c) **Comprehensive evaluation by students and peers:** Faculty are evaluated by students through students feedback form on specific points, the students are asked to evaluate the faculty on the following points and grading is calculated on a 4 point scale. Any specific remarks and poor performance on specific points are communicated to the faculty and are advised to improve. To train faculty on Teaching Methodology, Research Methodology, Micro-Teaching sessions are conducted regularly inviting external experts besides senior internal faculty.

Students Feedback Form:

Mark the Rating of the teacher E/G/S/U in following table:

(E-Excellent, G-Good, S-Satisfactory, U-Unsatisfactory)

S.No.	Description	Assessment
1.	Teacher gives a good introduction to the students and creates interest in the subject	
2.	Teacher's Planning & Delivery of subject is good	
3.	Teacher is knowledgeable about subject	
4.	Teacher speaks clearly and audibly	
5.	Teacher's writing on the board is clear and visible	
6.	Teacher asks relevant questions and encourages questions & innovative ideas from students	
7.	Teacher comes to class on time and leaves on time	
8.	Teacher is regular and maintains discipline	

9.	Teacher's correction of answer scripts are fair and impartial	
What is your overall assessment of academic work in the Institute:		
Any suggestions:		

Result of improvements of evaluation:

- Faculty improvement on Teaching Skills is seen through student feedback and peers feedback.
- Involvement of faculty in research is evident.
- Faculty proposals for various scholarships like FDP, Seminar, and Research to various funding agencies.

(d) Performance appraisal of Non-teaching staff: The non-teaching staff will submit self appraisal form on the following points:

Performance Appraisal – Annual (for supporting staff – Technical)

Work Achievements (Self-Appraisal)

Description	I-Semester	II-Semester
Laboratory work		
Lab developments		
Improvements in procedures conducting experiments		
Any other work to assist the Lab Administration (updating lab manuals, etc.		

Criteria for evaluation of Administrative and Technical Staff performance:

Self Evaluation

- What are your Strengths?
- Why do you feel they are useful to achieve the Objectives and support activities of the Institute?
- What are your weaknesses? How do they affect the Institute
- What are the Opportunities for you to overcome weakness and enhance your strengths?
- What are the threats that you foresee that may prevent your growth as a teacher in your career.

- What help you require from the Institute?
- What actions(strategies) do you wish to take to:
 - Enhance your abilities(strengths)
 - Overcome your weakness
 - Utilize the opportunities and convert threats also into opportunities.
- Have you participated in preventing ragging voluntarily? If so describe events

HoD's and Principal will evaluate on the self appraisal of the non teaching staff.

6.4.2 Welfare measures of staff and faculty:

To improve staff well-being, job satisfaction and motivation:

- Faculty are provided incentives
- Faculty are provided with computer systems with internet connectivity and are motivated to organize Seminars, Workshops, Technofest, Project Expo, etc. and encourage students to organize Technofest.
- Staffs are provided Medical benefits, Vehicle facility, vehicle loans Cash award to staff children.
- EPF facility
- Medical re-imbursement facility
- Research incentives are provided

6.4.3 Strategies and implementation plans of the Institute to recruit and retain faculty and staff:

Faculty and staff recruitment and retention: Strategies and implementation

- Open advertisements are given for recruitment of faculty and number of positions in leading news papers based on faculty requirement. Selection Committees are constituted as per norms.
- Eminent Professors, experts from Industry and Academia are recruited by invitation and this process is open ended.

Strategies adopted for Attraction and Retention of Faculty:

Qualified and experienced Faculty are provided with

- Faculty Welfare and Service Benefits

- Good Academic and R&D Environment
- Amiable approachable Management
- Recruitment by invitation of eminent professors
- Offering Increments / Promotions for performing faculty / staff
- Awards and Appreciation
- Sponsorship for M.Phil, M.Tech. Ph.D for part-time and full time studies
- All these incentive result in low attrition rate of good faculty/ staff.

6.4.4 Criteria for employing Part-time/Adhoc faculty:

- Faculty from other Institutes/Industry persons are invited as Visiting Faculty to teach a course/to give expert lectures on latest topics of interest.
- On invitation of the part time/Adhoc faculty are employed

6.4.5 Policies, Resources and Practices of the institution that support and ensure the Professional development of faculty:

Policies, resources and practices –

- Faculty are deputed for Courses, Workshops and FDP Programmes and budget allocation is made for staff development programmes:
- Faculty is encouraged to pursue M.Tech. and Ph.D. and they are Sponsored for advanced study & research. All the faculty is encouraged to participate in staff development programmes.
- Participation in Seminars, Conferences, Workshops, etc.
- Active involvement in Professional Associations like IEEE, ISTE, IETE, ISOI, VSI, etc.

6.4.6 Staff Development Programmes organized:

yes

Staff development on skill up-gradation and training is also imparted based on self appraisal.

- Non-teaching staff in a rotation basis are sent to industry to upgrade their skills every year.

- Laboratory Technicians are also trained in other laboratories of the same department.
- All the Staff are trained in Basic Computer skills.

6.4.7 Facilities Provided to the Faculty:

- Well-maintained and functional office: Every faculty is provided with a Room/Cabinet with office table and good functional space cleaned and hygienically maintained.
- Infrastructure and other space: Faculty are provided with space in the laboratory to work and are provided with lab equipment based on the field of research work apart from Academic work.
- All Faculty are introduced to use the modern A-V Aids, Computers, Internet, Computer-aided Packages etc. for effective teaching.

6.5 Financial Management and Resource Mobilization:

6.5.1 Does the institution get financial support from the government? NO

Source of financial support during last three years under different heads:

SOURCES OF REVENUE AND INCOME

Source	2008-09 Rs.	2009-10 Rs.	2010-2011 Rs.
Course Fees	9,55,76,150	10,97,43,000	13,66,05,700
Admission & Other Fees	18,30,000	32,37,300	58,12,050
Exam & Other Fees	12,49,429	12,62,521	30,96,721
Sale of Applications	91,523	1,72,679	3,41,436
Transport Collections	7,42,000	6,77,300	6,45,100
Other Collections	6,73,867	3,21,077	8,15,299
Interest Received	2,87,058	4,59,094	7,57,841
Misc. Income	4,11,609	3,64,886	8,83,820
Hostel Collections		16,49,250	57,98,300
Research & Consultancy Fees		12,39,712	9,63,054
Balances returned			49,80,903
TOTAL	10,08,61,636	11,91,26,819	16,07,00,224

Operational & Maintenance Rs. 90,020,388.00

Development Rs. 39,359,708.00

Fee Structure approved by the State Government is implemented:

B.Tech Tution Fee: Rs. 31000 per annum

M.Tech Tution Fee: Rs. 57000/- per annum

6.5.2 Details of quantum of resources mobilized through donations if any.. In last two years:

The Institute is not going to collect any donations directly. If in case of any deficit, we can borrow from Vignana Jyothi Society when ever required and any donations are directly accepted by Vignana Jyothi Society.

6.5.3 Analysis of adequacy of budget to cover the day-to-day expenses:

The income generated from Tuition fee, Examination fee and other fee wherein Principal's account is Adequate for Day-to-Day Operational Expenses. Principal and HOD's have financial powers to spend for day to day expenses. Imprest amount facility is provided by the management

6.5.4 Details of Budgetary resource to fulfill the Institution's mission and offer Quality programmes over the past two years:

Budget is utilized optimally by

- Reduction of redundancy in resources
- Minimizing non-productive expenses
- Prioritizing the Establishment, developments in phased manner.
- Institutional Assets are adequate
- Revenue is mainly through tuition fees.

Statement of Budget Allocations and Income & Expenditure & Statement of Budget Allocations and Income & Expenditure for 2009-10 & 2010-11 are enclosed as Annexure – III

6.5.5 Audit regulations: Internal and external audit procedures, Audit reports for last two years:

- Internal Audit is conducted quarterly and external audit is conducted yearly by Chartered Accountants.
- Copies of Audit reports for past two years are enclosed as **Annexure – IV**

6.5.6 Details of Computerized finance management system:

All Accounts are computerized through Accounting Tally Package

6.6 Best Practices in Governance and Leadership:**6.6.1 Significant best practices in Governance and Leadership carried out:**

- Strategic Growth Plan and effective Implementation
- Effective Leadership and monitoring
- Decentralization of Decision-making
- Continued efforts to establish collaborations with Foreign Universities
- Effective Industry-Institution Linkages
- Optimal Utilization of Financial Resources
- Emphasis on Research, Innovation and Entrepreneurship

Criterion VII: Innovative Practices**7.1 Internal Quality Assurance System:****7.1.1 Mechanism of Quality Assurance within the existing academic and administrative system:**

- Quality assurance cell is formed and conduct academic audit and ensure the quality.
- SWOT analysis is carried out for faculty and staff
- Department development committee
- Institute development Committee
- Financial audit
- Administrative audit

7.1.2 Functions carried out in Quality enhancement of the Institution:

Functions of the all the above committees are self explanatory

7.1.3 Role of students in assuring quality of education:

- Suggestions are invited from students regarding conduct of teaching – learning and evaluation process.
- Alumni & Students are represented on various academic committees of the institute to get acquainted with the policies and processes. Hence, can offer good suggestions for improvement.

7.1.4 Initiatives to promote best practices in the Institution and ensure that the Best Practices have been internalized:

- As the Second line of leadership is already strengthened, the rotation of headship in all the departments is already implemented.
- Institute policy document is prepared to promote the best practices and is institutionalized through implementation and auditing.
- Computerization of Administrative processes and Teaching and Learning Processes Initiative
- Effective monitoring and feedback Mechanisms
- Placement Initiatives through IRP Cells across the country

- Establishment of CSS Department to impart Communication and Soft skills
- Industrial Training
- R&D Initiative through opening of R&D Centers, In-house funding.
- Nomination of Industrial experts on various academic and R&D committees.

7.1.5 Institution added value to the quality enhancement of students:

- MATLAB Training, Engineering graphics and machine drawing through AutoCAD, Communication skills, soft skills Courses, Language lab, advanced communication skills lab, certificate courses, software testing Tools will add value to the basic engineering and enhance quality of students.
- Innovative curriculum brought in by BoS from the inputs derived from expert members on the board and faculty.
- In House funding of Rupees. 5 Lakhs per annum to incubate the innovative ideas of the students.
- Established Research and consultancy cell.
- Establishment of Finishing school to train the students to be industry – ready.
- Establishment of Virtual Industry labs, joint research activities with IIIT Hyderabad, UOH, and BITS Pilani Hyderabad Campus initiated.
- Additional laboratories are developed which are beyond curriculum.
- Lab Protocols are developed to give insight in to the practical aspects of all the Experiments in that lab.

7.2 Inclusive practices:**7.2.1 Best Practices to provide access to students from the following sections of Society: a) Socially-backward b) Economically-weaker c) Differently-abled:**

- Student admissions are made as per Govt. rules of reservation for OBC, SC,ST and Different Abled persons etc.,
- Institute Sponsors some economically poor students with fee waiver and loans scholarship to students.
- SC /ST Book bank in the library

7.2.2 Efforts made by the Institution to recruit staff from the disadvantages communities: a) Teaching b) Non-teaching:

Management gives priority in recruitment for inclusiveness.

Recruitment of staff is done through open Advertisement.

7.2.3 Efforts made to achieve gender balance amongst students and staff:

- A minimum of 33% of seats are earmarked for girls in all categories
- 50% of faculty are women
- 30% of office, support staff & Technical staff are women
- Equal opportunities available for all irrespective of caste, creed, religion etc.,

7.2.4 Gender audit/any gender-related sensitizing courses for the staff/students:

Students are admitted as per State Government Norms, which ensures at least 33% enrolment of Girls students in the Institute.

7.2.5 Intervention Strategies to promote the overall development of students from rural/tribal backgrounds:

- Special training is provided in English Language Lab and Communication skills Lab to students

- Personality development programs and soft skills programs are organized by Training and Placement Cell.
- Rural back ground students are identified and are given special training through bridge courses to bring them on a par with other students.

7.2.6 Mechanism to record the incremental academic growth of students admitted from the disadvantages sections:

Institute maintains growth record of academically weak students in the department and also enter to same in MTP record.

7.2.7 Initiatives to promote social-justice and good citizenship amongst students and staff:

Institute promotes community orientation and good citizenship among students and staff through

- Blood Donation Camps
- Clothes distribution and foods distribution during natural calamities like floods etc.,
- Distribution of funds on calamities
- Community service, Rural Health and Education programs.
- Health services
- Yoga and meditation
- Art of living Courses
- Youth empowerment skills Programs(YES+)
- Sports, ECA & CCA Activities

7.3 Stake holder relationships:

7.3.1 Institute stakeholders' involvement in planning, implementation and evaluation of the academic programmes:

- Best faculty
- Best Results
- Proactive management
- 100% Placement for eligible students

- Stakeholders take part in Formulation, Implementation and Evaluation of Institute's Academic Programmes through various Feedback Mechanisms and Decision Making Processes (through different committees)
- Academic Council and Board of Studies help in formulating the Academic Growth Plan of the College
- Industrial Experts are members of Board of Studies, Academic Council and Departmental Development Committees and offer suggestions re-structuring or introduction of industry relevant courses
- Feedback is taken from Employers
- Parents offer suggestions on all aspects in Parents Meet with Principal and HODs
- Alumni offer feedback on all aspects and members of BoS.
- Students also serve as members on several committees get acquainted with institute policies and can offer suggestions at their level.

7.3.2 Development of new programmes to create an overall climate conducive to learning:

- a) Students from different backgrounds join the College and to make them on par the following Courses are introduced:
 - i. Communication and Soft Skills
 - ii. Remedial Courses
 - iii. Finishing School
 - iv. MATLAB
 - v. C Programming
 - vi. Introduction to Computers
 - vii. AUTOCAD
 - viii. Lab view
- b) Department Association Programs are conducted every fortnight to promote academic interactions
- c) Various Co-Curricular Activities such as Seminars, Quizzes, Group Discussions, Extempore, Student Paper Presentations, and Annual Technical Exhibitions are organized.

- d) Cultural Day, Annual Day and Sports day bring together Parents, Students and the Faculty
- e) All the above programmes/events make the overall environment conduct to learning.

7.3.3 Key factors of attracting students and stakeholders to the Institution and their satisfaction:

- Best Faculty
- Best Results
- Committed and Proactive Management
- Quality Education
- Discipline
- Personality Development
- Faculty Strength
- Quality of Placement of Students
- Infrastructural Facilities
- Ambience of the Institute
- Achievements Track Record
- NBA Accreditation
- New Methodologies in Teaching Learning Processes like, Wi-Fi Networking, E-Learning
- Industry Accreditations
- Best Engineering College Award Through ISTE AP Section
- All professional society Student bodies – ISTE, IETE, ISOI, IEEE, CSI, VGLUG etc.,
- Wi-Fi Campus, Self learning Centers.
- Autonomous Status by JNTUH

7.3.4 The Institution elicit the cooperation from all stakeholders to ensure overall development of the students, considering the curricular and co-curricular activities, research, community orientation and the personal/spiritual development of the students:

Cooperation of all Stakeholders is elicited by explaining all the Programs and activities of the Institute and create awareness about their benefits to the Students through:

- Counseling
- Parents Meet
- Alumni Meet
- Industry-Interaction
- Departmental Associations
- Professional Societies
- NSS Activities
- Personality Development
- Yoga and Meditation
- Art of Living courses / work shops

7.3.5 To anticipate public concerns in current and future programme offerings and operations:

The Institution devises Programmes and Operations taking public interest into account.

- Demand for New Programmes assessed.
- Performance and Progress of Student information
- Under Performance of Student informed to Parents
- Hygienic and Pollution-free Environment
- Ragging-free Environment
- Health Care Facilities
- Placement Initiatives
- Regular Student attendance Monitoring and informing the parents about any shortages on monthly basis.
- Information about the underperformance in Mid – Exams etc., to parents

7.3.6 Promotional activities of Social responsibilities and citizenship roles among the students - Exclusive Programmes/activities:

- NSS Activities
- Community Service Activities through NGOs Bhoomi etc.,
- Community houses building
- Teaching Primary school Children
- Organizing Medical Camps in Villages
- Traffic rules awareness camp
- Philanthropic Activities

7.3.7 Institutional efforts to bring in community-orientation in activities:

- a) Blood Donation Camps
- b) Distribution of clothes
- c) Distribution of funds
- d) Community Service
- e) Health Services

7.3.8 Institute Support and strengthen the neighborhood communities:

- a) To identify community needs
- b) Assess or identify the areas of emphasis for organizational involvement and support: Institution has an NSS Unit which visit the neighbourhood villages and collect data on the needs and analyze the same to devise Programs for implementation for strengthening the neighbourhood.

7.3.9 Faculty and students contribute in these activities:

Faculty, Staff and Students are members of NSS and actively take part in the promotion of neighborhood.

7.3.10 Determination of students satisfaction in academic benchmarks and update approach in view of the current and future educational needs and challenges:

Student satisfaction is determined using various approaches such as:

- Student satisfaction at the entry point is rated high in view of the fact that

good EAMCET rank holders prefer VNR VJIET

- Students are highly satisfied with the holistic approach of VNR VJIET in imparting quality education and personality development.
- High levels of satisfaction are seen with the parents and students when a majority of the Students get into reputed companies
- A good number of Students go abroad for pursuing higher studies like MS and Ph.D
- Student satisfaction levels are high with core competencies acquired at the Institute, based on the feedback obtained from outgoing Students, Parents, Alumni and Employers.

7.3.11 Relationships build in: a) To attract and retain students b) To enhance students performance c) To meet their expectations of learning:

Students are attracted to join the institute because of its reputation built – up among the peer institutions in imparting quality education. The relationship is built with stakeholders over long years through a System of Education that ensures quality education, discipline, placement, overall personality development etc. Students learning expectations are met through innovative projects and involvement in Research Projects

7.3.12 Complaint Management Process:

- a) Complaints resolved promptly and effectively
- b) Complaints received are segregated and analyzed for Organizational improvement and for better stakeholder-relationship and satisfaction

Informal counseling is done by the HOD to resolve the issue of contention or specific complaint. If the complaint persists, it is referred to Grievance Redressal Cell. This Cell Collects the information through:

- Faculty and Staff
- Students
- Student Suggestion Book
- Student Complaint Box

All complaints are analyzed and segregated to get their nature and frequency

of occurrence. Grievance Redressal Committee recommends the following corrective actions:

- a) Counseling the Faculty, Staff and Students
- b) Fulfilling the shortfalls, if any
- c) Creating additional facilities whenever necessary

C. Evaluative Report of the Departments

Evaluative Report of Civil Engineering Department

The department of Civil Engineering is established in the year 2001. The department offers 1 B.Tech – (UG) program accredited by NBA, 3 M.Tech (PG) courses and 1 Diploma Course.

- a). B.Tech – Civil Engineering (UG) – Intake 120.
- b). M.Tech – Structural Engineering (PG) – Intake 18.
- c). M.Tech – Highway Engineering (PG) – Intake 18.
- d). M.Tech – Geo Technical Engineering (PG) – Intake 18.
- e). Diploma – Diploma in Civil Engineering – Intake 60.

1. Faculty Profile – adequacy and competency of faculty:

The Department of Civil Engineering has required number of faculty and staff. Faculty are with various specializations like structural Engineering, Geo technical Engineering, Transportation Engineering, Water Resources Engineering, Environmental Engineering and Remote sensing. All the faculty are with minimum post graduate qualification. 7 faculty are pursuing Ph.D and two faculty have submitted Ph.D Thesis. Faculty presented 60 papers in several Journals, national and international Conferences. Three AICTE funded projects worth 23.08 Lakhs are ongoing in the department. More than 50% of the faculty are serving the department for more than 7 years.

2. Student Profile – Entry level competencies, socioeconomic status, language proficiency etc.:

- The Dept. of CE has an intake of 60 students for B.Tech (CE) course and increased to an intake of 120 from the academic year 2010-11. Best rank holders as per EAMCET has taken admission each year through EAMCET (Engineering Agriculture and Medicine Common Entrance Test) conducted by Government of Andhra Pradesh.
- PG Students are admitted through GATE/PGECET Examination performance.

- Nearly 50% of the Students are availing Fee Reimbursement proposed by the Government of Andhra Pradesh.
- The department has more number of students coming from all parts of the Andhra Pradesh.
- The Following table gives the students admitted in all categories:

Student Enrolment	Under Graduate(B.Tech.)						
	M	F	Total	SC	ST	OBC	OC
2008-2009 (Present Final Year)	37	23	60	07	02	17	34
2009-2010 (Present Third Year)	36	24	60	06	02	17	35
2010-2011 (Present Second Year)	74	46	120	12	06	36	66
2011-2012 (Present First Year)	72	48	120	11	07	38	64

*M-Male, F-Female, T-Total

3. Changes made in courses or Programs during the past two years and contribution of the faculty to those changes:

Institute accorded autonomous status by the affiliating university, JNTUH, Hyderabad from the academic year 2011-12 and 20 % of the syllabus is modified as per the industry needs with reference to JNTUH curriculum. In the revision process all the faculty members of the department are involved along with the guidance of eminent experts from the industry and academics. The revised syllabus is discussed and approved through BoS and Academic Council.

4. Trends in success and dropout rates of students during past two years:

- The rate of success in the results is increased with a steeper rate to a present percentage of 89.16%.
- In the year 2009-10 Department has secured three university gold medals.

- M/s Ultra Tech Cements awarded cash prize and certification to a student for securing highest marks in concrete technology.
- The dropout rate is negligible because:
 - As far as the socio-economic factors are considered, financially backward students are supported by the department and the alumni of the department.
 - For academically backward students, remedial classes are conducted besides the course structure.
 - Faculty are available beyond working hours for Consultation.
 - Counselors are appointed for every 10 students.
 - Book bank is available in the main library and department library for economically backward students.

5. Learning resources of the departments- library, computers, laboratories and other Resources:

Library:

Department library has more than 700 volumes of books with various titles, more than 400 code books, back volumes of student projects. Library is available beyond working hours.

Computers:

Department has 49 P-IV systems and four laptops. The systems in the CAD laboratory has software like Auto CAD, STAAD. Pro, NISA/Civil, Primavera, Map info etc. to cater to the needs of curriculum as well as student projects.

Laboratories:

Name of the Lab	Available floor area (Sq.m.)
CAD Lab.	135
Environmental Engg. Lab.	123
Geology Lab.	75
Geo – Technical Engg. Lab.	164
Surveying Lab.	133
Transportation Engg. Lab.	140
Strength of Materials Lab.	233
Concrete Lab.	269

- All the laboratories are well equipped with state-of-the art facilities to suit to the requirements of the curriculum and industry needs. All the laboratories are offering and doing consultancy services meeting the industry needs.
- **Laboratory Protocols** are prepared for every lab to promote students to think creatively.
- Wall charts and models are available in every lab.

Other Resources:

- Department has audio visual aids like LCDs, OHPs to support the innovative teaching practices.
- Department also consists of printers, plotters, scanner and video camera to support various activities.

6. Modern teaching methods practiced and use of ICT in teaching learning:

- Faculty use audio visual aids like LCDs, OHPs for teaching the courses.
- Content management is prepared for all the subjects by the faculty and are made available in the digital library to the students
- Faculty is provided with system and Wi-Fi internet facility to improve their preparation and demonstration skills.
- Faculty is encouraged to use the web learning resources for up to date knowledge.

7. Participation of teachers in academic and personal counseling of students:

- Counselors are appointed for every 10 students and the students will be sent letters to home regarding their academic performance every month.
- MTP (Mentoring, Training and placement) books are recorded with the academic and overall performance of the student.
- Special classes are conducted for academically weak students beyond the working hours and make them to work on assignments and model tests.

8. Details of faculty development programs and teachers who have been benefited during past two years:

S.No.	Name of the Faculty	Event	Contribution Attended / Organized / Resource person	Duration
1	B.D.V.Chandra Mohan Rao	National Conference	Conducted	Jan 6-7 ,2012
2	A.Mallika	National Conference	Conducted	Jan 6-7 ,2012
3	A.Ramesh	Workshop	Attended	Nov19-21 ,2011
4	S.Balapadmaja	Short term course	Attended	31 Jan-5 Feb,2011
5	A.Ramesh	Conference	Presented a paper	7-10 Jan,2011
6	T.Suma	Symposium	Attended	Nov 4,2010
7	BNMalleswara Rao	Workshop	Attended	Oct 23,2010
8	A.Ramesh	International Conference	Attended	Oct 8-10,2010
9	A.Ramesh	Workshop	Conducted	Aug27-28,2010
10	A.Deepthi	Workshop	Conducted	Aug27-28,2010
11	K.Ramujee	Staff Development Programme	Attended	July 26-31,2010
12	A.Ramesh	QIP short term course	Attended	July5-9,2010
13	K.Ramujee	Workshop	Conducted	May10-11,2010
14	B.Narendra Kumar	Workshop	Conducted	May10-11,2010
15	A.Mallika	International conference	Presented a paper	April 23-25,2010
16	Prof.K.S.V.Radha Krishna	Faculty Development Program	conducted	July 5-10,2010

9. Participation / contribution of Teachers to academic activities Including teaching, consultancy and research

Academic Activities:

- To prepare the course files and maintain it for the allotted subjects.
- To provide students with a solid foundation in core areas of civil engineering.
- To provide students, the modern professional practices such as abilities for effective communication, collaborative work in diverse teams, ethical decision

making, successful management of personal and professional career objectives and continuous development through lifelong learning.

- To prepare the students to meet both local and global challenges in construction industry regarding planning, analysis, design and construction of various types of structures such as Multi storey-buildings, Bridges, Water tanks, Industrial structures etc.
- To prepare the students to achieve a high level technical expertise in the fields of Geo- Technical Engineering, Water Resources Engineering, Transportation Engineering, and Environmental Engineering to excel in the design and construction of various types of Foundations, Dams, Flexible & Rigid pavements, Water supply & Sanitary systems etc.
- To provide expertise through learning advanced courses in various streams of civil engineering, the elective subjects are offered with a view to make the students full-fledged to pursue higher studies and research.
- To provide opportunities for students to learn multidisciplinary subjects such as Basic Electrical & Electronics Engineering, C & Data Structures to make them a complete engineer.
- To establish good acquaintance with the practical implementation of the theoretical concepts through laboratories, by bringing the real world into the academics through virtual industry labs and to enhance experimental skills of students even beyond curriculum so as to encourage them to carryout mini and major projects.
- To cover extra topics and extra exercises beyond the curriculum.

Consultancy and Research:

Faculty are involved in consultancy activities like material testing (soil, steel, wood, and bricks), structural design and surveying. Consultancy Services includes

- Design of Industrial steel structures
- Design of Multi-storey RC buildings
- Design of Conveyor belt foundations
- Preparation of contour plans

Material testing

- Cube testing
- Structural Steel testing
- Mix Design
- NDT (Non Destructive Testing)
- Soil testing
- Water sample testing

The clientele include organizations like

- Divya Shakthi Granites (Pvt.) Ltd.
- Coastal Projects (Pvt.) Ltd.
- Feedback Ventures (Pvt.) Ltd.
- Nagarjuna Constructions (Pvt.) Ltd.
- Aliens Developers (Pvt.) Ltd.
- High Rise Constructions (Pvt.) Ltd.
- SRR Projects (Pvt.) Ltd.
- CCI Paints (Pvt.) Ltd.
- Leo Meridian Infra (Pvt.) Ltd.
- M/s Corporation Transtroy OJSC (Pvt.) Ltd
- Green Square Constrictions (Pvt.) Ltd.
- Grey Hounds
- Air force Station, Dundigal

Faculty have published 10 research papers in peer reviewed journals and 15 in national and international conferences during the past two years.

10. Collaborations with other departments / Institutions, at the State, National and International levels, and their outcome during the past two years:**Department entered MOU with**

- SEW Infrastructure Pvt.ltd
- B.Seenaiah & Company Pvt. Ltd.

These organizations have supported the department by offering mini projects to the III B.Tech students and also supported in the placement of IV B.Tech students.

- Department provides support to academic activities in National Academy of construction by giving expert lectures to course participants
- Department supports in training the newly recruited assistant executive engineers of state Govt. at Water and Land Management, Training and Research Institute (WALMTARI).
- Knowledge sharing sessions will be organized to students in collaborations with JNTUH, NRSA, BITS Pilani Hyderabad Campus etc.,
- Research Collaboration with BITS Pilani Hyderabad resulted in submitting a proposal to MHRD for funding on “Harvesting and Reuse of Water for Irrigation using Intelligent Drip Irrigation” for the duration of 3 years for an amount of Rs. 2 crores.

11. Priority areas for Research and details of the ongoing projects, important and noteworthy publications of the faculty, during past two years:

- The priority areas of research are Structural Engineering, Transportation Engineering, Geotechnical Engineering, Water Resources Engineering, Environmental Engineering etc.
- Ongoing funding projects are

S.No	Title of the project	Funding Agency	Amount & Duration	Name of the faculty	File No
1	Theoretical and Experimental Investigation of Flow Through Porous Media	AICTE	Rs.7.00 Lakhs & 2 years	Dr. B. N. Malleswara Rao, Professor & Head	Grant-in-aid No. 8023/BOR/RID/RPS/20 dated 20.11.2010.
2	Performance Appraisal of Polymer Modified Bitumen Binders	AICTE	Rs.11.25 Lakhs & 2 years	A.Ramesh, Sr.Asst. Professor	Grant-in-aid No. 8023/RID/RPS-79/2010-11 dt. 31.03.2011
3	Modernization of CAD / GIS Lab (MODROBS)	AICTE	Rs. 4.83 Lakhs & 2 Years	A. Mallika Assoc. Professor	200-21/FIN/2001-2002/597/1901

Publications of faculty during past two years:

- Faculty published research papers in Journals like Journal of Structural Engineering , Institution of Engineers, Indian Roads Congress journal, Journal of Earth sciences & Engineering, International journal of civil & Structural Engineering etc.
 - A total of 8 National /International Publications were published by the faculty.
 - The detailed list of publication are given in **Appendix V**.

Name of the Faculty	Designation (administrative positions, if any,)	Qualification, University and year of graduation	Areas of Specialization	No. of research publications in journals & conferences
Dr.B.N. Malleswara Rao	Professor & Head	Ph.D, REC – Warangal, 2011	Water Resources Engineering	2
K.Ramujee	Assoc. Professor	M.Tech., JNTU, Hyd, 1996	Structural Engineering	4
B.D.V. Chandra Mohan Rao	Assoc. Professor	M.Tech. – JNTU, Hyd, 1996	Structural Engineering	5
A.Mallika	Assoc. Professor	M.Tech. – JNTU, Hyd, 2003	Structural Engineering	5
B.Narendra Kumar	Sr. Asst. Professor	M.Tech. – JNTU, Anantapur, 2003	Structural Engineering	3
A.Ramesh	Sr. Asst. Professor	M.Tech. – JNTU, Hyderabad, 2004	Transportation Engineering	5
T. Suma	Asst. Professor	M.Tech, JNTU, Hyderabad, 2005	Geo-Environmental Engg	2
S.Bala Padmaja	Asst. Professor	M.Tech, JNTU, Hyderabad, 2010	Geo-Environmental Engg	1
A. Deepthi	Asst. Professor	IIT Roorkee, 2008	Transportation Engineering	2
I.P. Subha	Asst. Professor	NIT Trichy, 2009	Structural Engineering	2

12. Placement record of the past students and the contribution of the department to aid student placements:

More than 80% of the students are placed in the core sector organizations like NCC pvt.ltd, SEW Infrastructure pvt.ltd., B.Seenaiah & Company Pvt. Ltd., TCS etc. The Department placement Committee will assist the students to train in the key areas and in identifying the industries for placements.

13. Plan of action of the department for the next five years:

- To have 50% of the faculty with Ph.Ds.
- To encourage every faculty to have at least one funded project on hand.
- To improve the results to above 90%.
- To improve consultancy by 40 %
- To start at least one new course in undergraduate level and two PG programs.
- To have memorandum of understanding with reputed organizations and collaboration with foreign universities.

Department of Civil Engineering



Evaluative Report of Electrical & Electronics Engineering Department

The Department of Electrical & Electronics Engineering is established in the year 1995. The department offers one B.Tech (UG) program accredited by NBA, one M.Tech (PG) program and one Diploma programme.

- a). B.Tech – Electrical & Electronics Engineering (UG) – Intake 60
- b). M.Tech – Power Electronics (PG) – Intake 36
- c). Diploma – Diploma in Electrical & Electronics Engineering – Intake 60

1. Faculty Profile - adequacy and competency of the faculty:

- EEE department has adequate qualified and experienced faculty. There are 2 Visiting Professors, 2 Professors, 4 Associate Professors and 12 Assistant Professors. Nearly 20% of the faculty are working since 15 years in this Institute. 60% of the faculty have registered for Ph.D and are doing their research work. As a part of continuing education program, all the faculty members attend various seminars, workshops and conferences in National and International level. Some of the faculty have traveled to abroad to present their Research Papers in International Conferences.
- Some of the faculty attended teaching – learning workshops such as ‘Mission – 10X’ conducted by ‘WIPRO’. The faculty members are with various specializations like Power Electronics, Power Systems and Electrical Machines etc. Dr. Poonam Upadhyay was awarded Ph.D in 2008 in the field High Voltage Engineering and Dr. K. Anuradha was awarded Ph.D in 2011.

The Department filed 2 patents in Indian Patent Office:

- A simple and economical passive filter configuration to reduce THD produced by non-linear loads.
- An efficient DC to DC converter configuration by soft switching devices.

All the faculty are guiding B. Tech and M. Tech projects independently and some of the M. Tech projects have led to publications in National and International Conferences.

- Faculty with Ph.D = 02

- Faculty with M.Tech = 16
- Faculty pursuing Ph.D = 10
- Faculty Associated with Research
& Consultancy Centre = 02
- Faculty guiding Ph.D = 01

The following are the distinguished visiting faculty Associated with Department:

- Dr. M.Rammoorthy, Former Director General, CPRI
- Dr. G.S. Raju, Former Director, BHUIT, Varanasi

2. Students Profile-Entry level competencies, socioeconomic status, language proficiency etc.:

- Students with good ranks and good appreciation in academics during 10th and Intermediate have taken admission into EEE department through statewide entrance examination. Best Rank Students get admission into the department. Students are admitted as per rule of State Government by EAMCET Convener.
- Institute is providing loan scholarships for the students who are in need. The fee reimbursement facility is there in college for the students who belong to reservation category by the state Government. More than 80% of the admitted students are from English medium and the medium of instruction in the Institute is English and hence have better proficiency in English.

3. Changes made in the courses (or) Programmes during the past two years and the contribution of the faculty to those changes:

Institute has been granted autonomy by the affiliated University JNTUH and UGC visit is expected soon, the department faculty members are completely involved in the preparation of courses depending upon their specialization. As per guidelines, a board of studies is constituted with university academia, person from industry, alumni and with senior faculty member of the department. The following changes are incorporated in the autonomous curriculum.

- More emphasis on practical oriented learning
- Distribution and weightage of marks

- Content in some of Theory courses and Practical courses
- Course Structure

4. Trends in success and dropout rates of students during past two years:

From the inception of the department students are maintaining good academic record. In the past two years more than 99% of the students successfully completed their degrees. The dropout rate of the students is almost negligible due to the following initiatives taken up by the department.

- Academically slow learners are identified and remedial classes are conducted by the respective subject faculty.
- For a group of 10 students one faculty mentor is assigned. Students meet the mentor regularly and express their difficulties which are taken care.
- Loan Scholarships are provided by the Institute for economically poor students.

5. Learning resources of the departments- library, computers, laboratories and other Resources:

Library:

The department has a library catering to the needs of students and faculty with the following learning resources.

- Titles – 360
- Volumes - 401
- Academic Handbooks
- B.Tech Project Reports
- M.Tech Project Reports

Conference Proceedings & Workshop Materials organized / attended by faculty to browse the required materials, PPTs etc. The department has 8 laboratories for UG and PG students to impart the practical exposure to students.

Computers and Software:

The department has 69, P-IV Systems and 2 Laptops with round the clock internet facility. The computer laboratories are equipped with licensed software's like

MATLAB, Mi-power, PSCAD, CASPOC, Power World, Multisim etc. to carry out Projects and Research work.

Laboratories:

Name of the Lab/Amount Spent (in Rs.)	Area in (Sqm)
Electrical Machines Lab	167.01
Power Electronics Lab	72.55
Control Systems Lab	70.75
Electrical Measurements Lab	76.91
Simulation of Electrical Systems Lab	145.82
Electrical Systems Simulation Lab	44.3
Power Converters Lab	65

- All the laboratories are well equipped to suit the requirements of the curriculum and also industry needs.
- **Laboratory Protocols** are prepared for every lab experiments/exercises to enable them think creatively and link it to the real world environment.
- Wall charts and models are available in every lab.

Other Resources:

- Department has audio visual aids like LCDs, OHPs to support the innovative teaching practices.
- Department also consists of printers, scanner and video camera to support various activities.

6. Modern teaching methods practiced and use of ICT in teaching learning:

The department faculty are provided with Laptops and Computers to follow modern teaching methods like power point presentations, lab protocols, practical video lectures, demonstrating the working of industrial equipment like solar panels, battery charging etc. to enhance the teaching learning process. Student seminars, quizzes, student symposiums, paper presentations are conducted regularly. There are tablet P.Cs, SONET CD's, NPTEL CD's for the faculty and student to use.

7. Participation of teachers in academic and personal counseling of Students:

- For every 6 students one faculty mentor is provided. Faculty participates actively in academic improvement and counseling of students.
- Integrated mentoring, Training and Placement service is an innovative and novel programme introduced by VNR VJIET. The aim is to mentor all the students from the very beginning and identify the strengths and weaknesses of the students followed by necessary training programmes to overcome the weaknesses and emphasize the strengths of the students. This programme enables each student to become pro-active in defining his/her own requirements for skill enhancement and explore the employment opportunities available with reputed Indian/Global Corporate Sector. The management, faculty and staff are extremely committed to this programme.

8. Details of faculty development Programmes and teachers who have been benefited during the past two years:**a. Faculty Attended:**

Name of the Faculty	Name of the Program Attended	Organized by	Duration
Mrs. G.Radhika Mr. S.Kiran	SDP on “High Voltage Engineering Testing and Measurement and Gas Insulated Sub Stations “	JNTU, Hyderabad	12 - 24 Dec, 2011
Mr.D.Ravi Kumar, Asst. Prof.	Tutorial on “Power System Reliability – Concepts & Techniques”	IEEE-PES/IAS, Hyderabad Power Grid Conference Hall, Sec’bad	29-11-2011
G.Sasi Kumar, Assoc. Prof. J.Srinivasa Rao, Asst. Prof.	Workshop on “Leadership and Inter- personal skills”	Ramakrishna Mutt, Hyderabad	22-10-2011
P.Ramesh, Asst. Prof.	Workshop on “Digital Learning Technologies”	JNTUH jointly with C-DAC in Green Park Hotel, Hyderabad	04-03-2011 to 05-03-2011

Mrs.N.Krishna Kumari, Associate Professor Mr.G.Naveen Kumar, Assistant Professor	Workshop on -“Power Electronics and Embedded Engineering for Elective Vehicles”	“PL Engineering (A Punj Lloyd Company)” Hi Tech City, Madhapur, Hyderabad	09-02-2011
Mr.P.Ramesh Mrs. B. Bhargavi Mr.E.Shiva Prasad	“Mission Programme conducted by M/S Wipro Technologies”, Hyderabad	WIPRO Technologies, Hyderabad at VNRVJIET	09.05.11 To 13.05.11
Mr. G.Naveen Kumar	“MSP – 430 – An Embedded Processors (FG 4618/F2013)	ECE, Dept, VNRVJIET	29-11-2010 to 30-11-2010

b. Guest Lectures:

Faculty Attended	Name of the Program	Resource Person	Duration
EEE Faculty	Guest Lecture on “Overview of SCADA in Power Sector”	Mr.C.Ramesh Babu, ADE, AP Transco, Mamidipally	31-10-2011
EEE Faculty	“Solar Photo Voltaic Cells”	Mr.Varun Sarwate from Sunpossible (A Brand of Flow Technics), Secunderabad	11.08.2011
EEE Faculty	Guest Lecture on “Recent Researches in Electrical Engineering”	Prof.M.S.Sarma, Fellow IEEE, Professor, Emeritus of North Eastern University, Boston, USA	16-03-2011

Faculty Development Programs Organized:

Module Description	Any other contributory Inst./Industry	Duration	Resource Persons
Staff Development Programme on “Modern Control Techniques for Power Systems”	AICTE has sanctioned a grant of Rs. 6,56,000/- under the scheme of SDP	18-6-2012 to 30-6-2012	Dr. B.P.Muni,AGM,BHEL R&D, Dr.M.Ramamoorthy,Former Director General,CPRI, Dr.Shyama P Das , Profeesor, IIT Kanpur
National Conference on “National Economy and Social Transformation through Advances in Electrical Engineering (NESTAE 2011)”	AICTE has sanctioned a grant of Rs.1,50,000/-under SEMINAR GRANT Scheme	29.08.2011 to 30.08.2011	Dr.G.Tulasi Ram Das, Professor, EEE Dept , Registrar– JNTUH, Dr.M.P.Soni, Professor, EEE Dept., MJCET, Varun Sarwate, TeamSunpossible, Secunderabad

Simulation of Power Systems using MiPower Software	PRDC Pvt Ltd, Bangalore	3 days (25 – 27 Feb, 2010)	Engineers from PRDC Pvt Ltd, Bangalore.
MATLAB	MATLAB Consulting, Hyderabad	4 days (26-29 July 2010)	T.Chandrakanth Reddy

9. Participation / contribution of teachers to the academic activities including teaching, consultancy and research:

Department faculty are involved in various academic activities which improves the quality of teaching.

Academic activities:

- Academic plans & Course objectives are prepared by each faculty member to meet the defined objectives.
- Course files are maintained for the subjects by the respective faculty member.
- Student evaluation is carried out by conducting internal examinations in theory and laboratory courses.
- Faculty are involved in providing practical oriented approach to students in Electrical and Electronics Engineering concepts with the help of well equipped laboratories with latest development in the field of Electrical Engineering. Faculty are involved in providing guidelines to the students for the design of simulation of electrical systems with the help of various software's like MATLAB, PSPICE, MI-POWER, PSCADA, CASPOC and POWER WORLD.
- Pro- type models are built exploring the innovative skills of students as a part of projects being carried out.
- Seminars are conducted from 2nd year level to improve the communication skills and updating of technical knowledge.
- Faculty members are also guiding the students for the industry oriented mini projects and major projects in 3rd and 4th B.Tech level. Department faculty are involved in research and consultancy services. A project on "Driving Simulator" is jointly carried out with M/s Auto Sim, Norway who is expert in

the design, development and manufacturing of driving simulator worldwide. In house projects are being carried out in the area of electrical machines and power system in electrical machine lab BLDC motor control design has been carried out by M.Tech students and apart from that most of the faculty members are involved in their research works. All faculty are guiding B.Tech and M.Tech students for their projects. Most of the M.Tech projects are leading to publish papers in various conferences

10. Collaboration with other departments /institution at the state National and Inter-National levels and their outcome during the past two years:

- Department of EEE has developed “ POWER SYSTEM SCADA LAB” with the project titled “ Up gradation of Control System Laboratory” under MODROBS grant of Rs.13,27,000/-sanctioned by AICTE during 2010-11.
- Department of EEE department has collaboration with industries like Vijai Electricals, Radhika Transformers, APCPDCL and Medha servo drives etc. Through the above collaborations Industrial Visits, Industry oriented training and Internships are arranged for B.Tech and M.Tech students.
- Department has very good interaction with department of EEE, JNTUH College of Engineering which led to conduct of Workshops and Seminars jointly. Dr.K.Anuradha, Dr.Poonam Upadhayay has delivered lecture in UGC sponsored staff development program and refresher courses organized by JNTUH.
- Dr. G.S.Raju, Visiting Professor of department is member of core committee in organization National Power System Conference December, 2010 conducted by Osmania University and our Institute is a Co-sponsor for NPSC-2010, which is biennial Conference.
- Department has conducted National Conference on “National Economy And Social Transformation Through Advances in Electrical Engineers (NESTAEE 2011)” during 29 - 30 August, 2011, sponsored by AICTE, New Delhi Under Seminar Grant.
- Mr.Pradeep, M.Tech student got selected for sponsorship program under common wealth scheme at University of Saskachewan, CANADA under guidance of Dr. G.Rama Krishna, Associate Professor Department of EEE and

Dr.M.Ramamoorthy, Former Director General, CPRI, Distinguished Professor,
Dr. G.S.Raju ,Visiting Professor are guiding students in VNRVJiet.

11. Priority areas for research and details of the ongoing projects important and note worthy publication of the faculty during the past two years:

Areas of research:

- Power Electronics and its application
- Power system and stability
- Control Systems
- Electrical machines & Drives
- Power Quality
- Deregulated power system
- High Voltage Engineering
- Renewable Energy sources
- Reliability Engineering

A total of 17 publications were published by the faculty. The detailed list of publications was given in Appendix-V.

12. Placement record of the past students and the contribution of the department to aid student placements:

- About 80% of the students are placed through Campus Placements during 2010-11.
- Department placement committee is constituted with one faculty member, two student representatives and HOD as Chairman. This committee in association with Training & Placement Cell of the institute will involve in the following activities to aid the student placement.
 - a) Soft skill training program for the students.
 - b) Communication skill development with laboratory oriented practice sessions, seminars.
 - c) Motivating lectures by industry personnel.
 - d) Providing personality development program by HR experts.

- e) Internship programs to carryout B.Tech & M.Tech projects leading to student placement.

13. Plan of action of the department for the next five years:

- 60% of the faculty with Ph.D qualification.
- 100% placement record.
- Increase in intake of B.Tech program, starting new M.Tech programs with specialization in Power Systems and Control Systems.
- Up gradation of labs as per the current industry needs.
- Funded Research projects useful to the society and for the development of new technologies.
- Plan to conduct International Conferences.
- Research publications in peer reviewed journals.
- Collaborative research with Foreign Universities.

Department of Electrical & Electronics Engineering



Evaluative Report of Mechanical Engineering Department

The department of Mechanical Engineering is established in the year 1995. The department offers a) B.Tech – (UG) program accredited by NBA, b) M.Tech (PG) courses and c) Diploma Course.

- a). B.Tech – Mechanical Engineering (UG) – Intake 120.
- b). B.Tech – Automobile Engineering (UG) – Intake 60.
- c). M.Tech – Automation (PG) – Intake 18.
- d). M.Tech – Advanced Manufacturing System (PG) – Intake 18.
- e). Diploma – Diploma in Mechanical Engineering – Intake 60.

1. Faculty profile, adequacy and competency of faculty:

- The Department has 5 Professors, 11 Associate Professors and 5 Assistant Professors. Among them 4 are Doctorates, 13 members are pursuing Doctoral programme and have M.Tech., as their present qualification.
- Most of the faculty members have research publications in well reputed national and international journals.
- The faculty attend various FDP programs, national and international conferences, seminars and workshops organized by various universities and reputed institutes around the country. These are sponsored by the Institute.
- Additionally, the department organizes seminars, workshops, conferences, staff development programs for the benefit of faculty within the institute and also other institutes.
- More than 80% of the faculty have above 10 years of teaching and industrial experience. The retention ratio is very high and a good proportion of faculty is with the institute almost from the inception, which lends stability to the department and its programmes. Additionally, the majority of the faculty has good industrial exposure. Also, as part of shadow engineering, those who have no earlier industrial experience are sent to work in the industry.
- The laboratories are well equipped and developed beyond the curriculum requirement of university. Faculty also developed Lab protocols that are used extensively to highlight the real world application of principles they learn through experiments performed in the lab.

- The department submits various proposals for seminars, MODROBS, Research work, faculty development programs every year to the funding agencies like DST, AICTE, etc for grants. Presently one project sanctioned under MODROBS is running in the department.
- Faculty indulge in research and consultancy projects. Recently one research and consultancy project on ACTS was completed.

2. Student Profile – Entry level competencies, socioeconomic status, language proficiency etc.:

I. Under-graduate stream:

Student Enrolment	Under Graduate						
	M	F	T	SC	ST	OBC	OPEN
2008-2009 (Present Final Year)	45	15	60	07	03	19	31
2009-2010 (Present Third Year)	44	16	60	08	02	16	34
2010-2011 (Present Second Year)	138	42	180	20	09	58	93
2011-2012 (Present First Year)	140	40	180	21	09	58	92

II. Post-graduate stream:

Student Enrolment	Post Graduate						
	M	F	T	SC	ST	OBC	OPEN
2009-2010	12	01	13	00	03	06	04
2010-2011	03	01	04	01	00	01	02
2011-2012	12	02	14	03	01	07	03

*M-Male, F-Female, T-Total

- The Dept. of Mechanical Engineering has an annual intake of 180 students for B.Tech, out of which 120 are in Mechanical Engineering Stream and 60 are in Automobile Engineering course. They are selected through the EAMCET (Engineering Agriculture and Medicine Common Entrance Test) conducted by AP state government.
- The students admitted in this course are with an average starting rank of 3750 at state level.

- The department has more number of students from Andhra Pradesh and a few from other states. Most of the students are from English medium from their primary schooling.

3. Changes made in the courses or programmes during the past two years and the contribution of the faculty to those changes:

- JNTUH has awarded autonomous status from the academic year 2011-12 to the institute.
- The course structure and the detailed syllabus of the subjects is framed by forming a departmental Board of Studies consisting of individual syllabus experts both from the institute and the outside fraternity. As permitted by the JNTU-H, nearly 20 percent of the syllabus is modified to include the topics of recent interest.
- An Additional intake of 60 students in mechanical engineering and 60 in automobile branch for B.Tech have been sanctioned additionally from the year 2010.
- Faculty developed lab protocols to make students understand and appreciate the importance of experiments vis-à-vis their practical application in the field.
- Students are encouraged to improve their skills by conducting mock tests and mock interviews to prepare them for various placements interviews both within the campus and off-campus.
- Students are also encouraged to pursue higher studies by conducting special classes for preparing for GATE and other competitive examinations.
- Special classes are also conducted as Refresher course to encourage students in preparing for various public sectors and R&D sector examination for employment.
- Continuous monitoring and mentoring of the students is done from the date of their entry into the campus, on a regular basis to motivate them. A set of students are attached to individual faculty for this purpose. In fact, we involve the parents of the students as well in this Endeavour.
- To get an exposure to the industry, the students are encouraged to go on industrial visits and the faculty accompanies them for linking the percepts with the practice.

4. Trends in success rate and dropout rate of students during the past two years:

Academic Year	No. of Students	Success Rate	Dropout Rate
2010-11	63	100	0
2009-10	63	100	0

- Success rate is 100%.
- Drop out student rate is zero
- Department-wise destination records are maintained.
- About 50% of the students proceed for higher studies.
- Pass percentage, first classes and distinctions are reasonably high. The last two years percentage is 68%.

5. Learning Resources of the Department like library, computers, laboratories and other such resources:

- The Departmental library has a plethora of text books, journals, thesis copies, CDs and DVDs. The library has a total 448 Books for the use of both faculty and the students. This is in addition to the books in the main library.
- The main library has 158 National and International Journals pertaining to mechanical and automobile engineering.
- The Department has a total of 84 computers of latest configuration including work stations. We have the concept of open Labs that could be used any time during the 24 hours and the students are allowed to work in the laboratory anytime convenient to them.
- Students are encouraged to work on their projects, do programming and prepare through e – learning.
- Our computer labs are equipped with the latest software's like ANSYS, AutoCAD, CATIA, Iron CAD, Edge CAM, Gibbs CAM, Flexsim, Minitab, Matlab, Inventor etc.
- The laboratories are equipped with latest technology. The laboratories have detailed manuals and Protocols which have been prepared by experienced faculty and are looked after by faculty as laboratory in charges.

- Every class room is provided with permanent LCD facility. Considerable use of PPTs is done during the lecture hours. Also OHP facility is available for use in the class rooms.

6. Modern teaching methods practiced and use ICT (Information and Computer Technology) in teaching – learning:

- Important material downloaded from digital library of the institute and NPTEL sites are used as a supportive material apart from the individual notes prepared by the faculty member while delivering lecture in the class room.
- The campus has Wi-Fi technology in addition to broadband for use of both faculty and students for accessing internet for information.
- Models have been prepared and some models are acquired from other sources and they are used in class room demonstration to present the concepts in a clear and lucid manner.
- Charts, Tables and Data books are provided to the students wherever necessary.
- For Engineering Drawing, AutoCAD is being used apart from manual drafting.
- Students can download video and audio lessons through 3G cards by using hand mobiles.
- At the outset of the academic year, the students are provided with academic plan and topic wise details as advance information.
- We also use an 18 month academic calendar so that students and faculty can plan their activities well in advance.

7. Participation of teachers in academic and personnel counseling of students

- The faculty is assigned a group of students for Mentoring. The students are counseled regularly by the respective mentors.
- Students are encouraged to meet the mentor faculty members and the HOD for redressal of any difficulty they might face in the campus.
- Class review meeting are conducted every month to interact with the students to understand their difficulties, if any, and take necessary remedial measures.

These meetings are attended by student representatives, faculty members, class co-ordinator and Head of the Department.

- Tutorial classes for students are conducted in each subject thereby providing training on problem solving methodologies.
- All the faculty members are involved in the following additional assignments:
 - Regular class work, Departmental work, Examination work and Result analysis.
 - Attendance / marks monitoring and posting the data to the parents of students.
 - Student mentoring.

8. Details of Faculty development programmes and teachers who have been benefitted during the past two years:

Name of the Faculty	Name of the Programme Attended
JayaShri Narayan Nair & T.Srinivasa Rao	A seminar on Trends in Renewable Energy applications & Technology (TREAT-2012) at MVSR Engg. College on 4 th Feb, 2011
Dr. S.V.S.S Srinivasa Raju	A Faculty development programme in Entrepreneurship at EDI, Ahmedabad during 19-30 December 2011
Y Shivraj Narayan	A National Conference on Recent Advances in Manufacturing Engineering & Technology (RAMET 2011) at VNRVJiet, Hyd on January 10 - 11, 2011
Y. Shivraj Narayan	A Seminar on Success of Mumbai Dabbawallas at VJIM, Hyderabad on July 20, 2010
M.Venakata Ramana	An International Conference on Futuristic Trends in Materials and Energy Systems (FTME-2011), at VR Siddhartha Engineering College, Vijayawada on 29-30 December, 2011.
S.Shyam Sunder Rao	A International Conference on Advances In Supply Chain & Manufacturing Management (ICASCMM'11) at IIT, Kharagpur on 16-18,December 2011

K. Jaya Prakash	National Conference in Advances in Mechanical Engineering at PVP Siddhartha Institute of Technology, Vijayawada on 18 December 2010
S. Shyam Sunder Rao	An International Winter School on Advances in Aeronautical Materials and Technologies at Taramati Baradari, Hyd organized by RCMA, DRDO, MOD & MGIT on 15 To 21 December 2010
B. Satyanarayana & K. Kodanda Ram	An International Conference on AIMTDR 2010 at Andhra University, Visakhapatnam on 13-15 December 2010
S. Shyam Sunder Rao	A National Conference on SCM Case studies in different organizations at VJIM Hyderabad on 21- 23 October 2010
M. Mr. Venkata Ramana	A National Conference on Performance evaluation of optimal cutting conditions in turning of EN8 steel using vegetable oils combined with solid lubricant as cutting fluids at Vasavi Engg college Hyderabad on 19-20 Nov. 2010

9. Participation / Contribution of teachers to the academic activities including teaching, consultancy and research:

a. Consultancy:

Mr. B. Satyanarayana, Associate Professor involved in **Automated Commando Training System (ACTS)** a completed project in the year 2010 worth **Rs. 9.27 Lakh** in association with National Police Academy, Hyderabad.

b. Research:

- **Dr. P. Satya Prasad, Professor** involved in **Boys cast fellowship scheme** under **DST** worth **Rs. 13.46 Lakhs** for the period of three years (2006-2010).
- **Mr. B. Satyanarayana, Associate Professor** involved in **MODROBS** a project granted by **AICTE** worth **Rs. 20.00 Lakhs** under MODROBS scheme for the period of two years (2011-2013).

- **Mr. T. Srinivasa Rao, Associate Professor**, involved in **FSAE Formula Car project**, funded by the Institute, participated in **Race Car Competition** held in **Japan 2011**

c. Teaching and other activities:

- Each teacher is actively participating in regular class work, examination work, evaluation work, results analysis, etc.
- Each teacher has been allocated various extracurricular & co- curricular activities which they carry out successfully.

10. Collaboration with other departments/ institutions at the State, National and International levels, and their outcome during the past two years:

- All the faculty members of Mechanical Engineering Department are members of ISTE, New Delhi and one of the faculty is a member of IIM.
- Department has signed a MOU with Denison Hydraulics, Hyderabad to carry out industrial projects for the students.
- MOU with SMRJ, Hyderabad has been signed by the department to carry out industrial training for the faculty & students.
- Faculty is deputed as external examiner for conduct of practical exams;
- Faculty is also deputed as observers for the conduct of University examinations.

11. Priority areas for research and details of the ongoing projects, important and noteworthy publications of the faculty during the past two years:

a) Area for research:

- Machining, Welding, Casting
- Fracture Mechanics, Composite Materials
- Computational Fluid dynamics & Heat Transfer
- Finite Element Analysis
- Computer Aided Design and Simulation

b) Ongoing research Projects:

Research on Machinability of Nickel Alloys is being undertaken by Principle investigator B.Satyanarayana, Associate Professor. The funding of Rs. 20.00 Lakhs. is met through a grant of Rs. 15.00 Lakhs. from AICTE under Modrobs and balance of Rs. 5.00 Lakhs. by institute.

c) Publications by Faculty:**National/ International Journal Publications:**

A total of 31 National/International publications were published by the faculty. The detailed list of publication is given in **Appendix V**.

12. Placement record of the past students and the contribution of the department to aid student placements:

- We have a Training and Placement cell in the campus. A student member and a faculty member work in close coordination with the cell for the activities pertaining to the students of the department.
- Both Graduate and Postgraduate students are well taken care of. Throughout the year, both the courses keep rippling with campus interviews followed by placements.
- Training & Placement Cell makes all out effort to satisfy the students' expectations with regard to their career goals apart from making them globally acceptable and useful to the Society at large.
- The Personality Development for the student starts right from the day the student enters the portal of the Institute.
- Majority of the students are placed in core and IT related industries.
- Department regularly conducts mock tests to improve their skills and to prepare them for various placements interviews both within the campus and off-campus. Students are also encouraged to pursue higher studies by conducting special classes for preparing GATE and other competitive examinations. A continuous monitoring of the students is done on a regular basis to motivate them.

- Special classes are also conducted as Refresher course to encourage students in preparing for various public sectors and R&D sector examination for employment.

Placements in the last five years

Year	No of Students Placed
2008-09	19
2009-10	48
2010-11	35
2011-12	34 (till now)

13. Plan of action of the department for the next five years:**The department sets itself the following as goals to be achieved:**

- To improve the pass percentage and to reach the target of 90 %.
- Individual faculty has to carry out at least one Research or Consultancy Project.
- Every faculty in the department will have to acquire Ph. D degree as higher qualification.
- To improve the number of publications in journals with good impact factor. Each faculty has to publish at least one publication in a year.
- To organize a conference at International level at least once in two years.
- To sign more MOUs with Industries.
- To look for collaboration at international level with renowned foreign universities.
- To get recognized as a Research centre.
- To use technology as an essential component of the educational process for which faculty are promoted to visit various reputed institutions and industries to bridge the gap between academics and industry.
- To design and organize Industry Specific Short Term Courses.

Department of Mechanical Engineering



Evaluative Report of Electronics & Communication Engineering Department

The Department of Electronics & Communication Engineering is established in the year 1995. The department offers 1 B.Tech – (UG) program accredited by NBA, 2 M.Tech (PG) Programme and 1 Diploma Programme.

1. B.Tech - Electronics and Communication Engineering - intake 120
2. M.Tech - VLSI System Design – intake 18
3. M.Tech - Embedded Systems – intake 18
4. Polytechnic Course (Second Shift), with Specialization in Electronics and Communication Engineering. – intake 60

1. Faculty Profile – Adequacy and Competency of Faculty:

- ECE Department has adequate faculty out of which nearly 25 % are professors and 20% are Associate professors and remaining are Assistant professors with post graduate qualification in various specializations. Six faculty members are with Ph.D qualification and seven are pursuing Ph.D.
- The faculty members of the department are with good knowledge in various fields like Neural Networks, Communication Engineering, Signal Processing, Image Processing, VLSI System Design, Embedded Systems, Speech Processing and Microwave Engineering etc. The faculty have rich experience in teaching and have better industrial exposure.
- The faculty members of the Department are continuously involved in the enrichment of knowledge in the fields of their own interest, by attending various faculty development programs organized by institutes of higher learning and industries. They are involved in organizing various Technical workshops / Seminars / Conferences.
- To have a better acquaintance with industry practices, faculty members attend industrial training under the concept of Shadow Engineering.
- Continuous Knowledge sharing between the faculty members is a regular process in the department through weekly seminars by faculty members.

2. Student Profile – Entry Level Competencies, Socioeconomic Status, language Proficiency etc.:

- The Department of ECE has an intake of 120 students for B.Tech (ECE) course. The student admissions are through EAMCET (Engineering Agriculture and Medicine Common Entrance Test) conducted by AP State Govt.
- Students in PG Courses are admitted through GATE/PGECET Examination.
- Most of the Students with urban background, have good English proficiency and majority belongs to Upper middle class and middle class. Approximately 20% belongs to rural back ground and are with normal capabilities in communication.
- 60 % of students at the entry level are with a percentage of 95 % to 98 % in the qualifying examination. Some of the students have credentials of being the winners in various National level competitions like Science Talent Tests, Cultural Events, Sports, and Athletics.

3. Changes made in the courses or programmes during the past two years and the contribution of faculty to those changes:

- The Institution got autonomous status from Jawaharlal Nehru Technology University, Hyderabad, the affiliating university, from the academic year 2011-12.
- The academic curriculum under autonomous stream was prepared by the faculty members of the department. In preparing the syllabi for various semesters of B.Tech. Course, the rules laid down by affiliating university were strictly followed and 20% of the existing syllabus was framed by incorporating recent developments in the concerned fields of Engineering, under the guidance of eminent Academicians and Industry Personnel.
- The Syllabus got approved by the Board of Studies, and Academic Council.

4. Trends in the success and dropout rates of students during the past two years:

- The promotion of the students for the next semester of their course is based on their regularity in attending the class work, measured through the attendance, and the academic performance, measured through the credits acquired by them, as prescribed by the University against each course, they study.
- During the last 5 years, in the Department of ECE, the drop out percentage of students is on average 0.0075%. The average success rate of students is 90% in overall subjects of their course and 96% (approx) in individual subjects. During the Academic year 2007-11, the success rate of the students is 89.06% and dropout rate is 6.11%. The students of the Department have bagged 7 University Gold Medals and One ISTE State Level Award.

5. Learning Resources of the Departments-library, computers and other resources:

The Department has the following laboratories, to cater to the needs of students at UG and PG level.

Laboratories:

Name of the Laboratory	Available floor area (Sq.m.)
Electronics Devices & Circuits Lab	117.39
Pulse & Digital Circuits Lab	76.91
E-CAD Lab	109.85
Analog & Digital Communications Lab	109.85
Microprocessor Lab	107.12
Microwave & Optical Communication Lab	76.91
Linear IC Applications Lab	109.85
VLSI System Design Lab	44.3
Embedded Systems Lab	87.26
Projects Lab	39.65
Machine Vision Lab	87.26

- All the laboratories are well equipped with the required infrastructure facilities to suit the requirements of the curriculum and industry needs.

- The laboratories are developed on the basic concept of being Virtual Industries.
- The Laboratories are used by the faculty and the students, working for the various industry sponsored projects through the Research and Consultancy Center of the Institute.

Other Resources:

- The Department is provided with audio visual aids like LCD Projectors, OHPs to facilitate the various ways and means of teaching practices.
- Department also has printers, scanner and video camera to support various departmental activities.
- The Department has 160 computers in various laboratories and faculty rooms of the department.
- The Computer systems are connected through LAN and thus provides a source of abundant knowledge.
- The Departmental Library is furnished with 663 volumes of books in various fields in the concerned branch of Engineering, in addition, it has Educational CDs, Conference Proceedings and Thesis reports at UG and PG Levels.

6. Modern methods practiced and use of ICT in Teaching – Learning:

- Class room teaching is made more interactive, by involving the students, in delivering the content.
- Video Lectures, Tutorials, Animations on various basic concepts of the concerned subjects will play a major role, in knowledge data transfer, during class room Teaching.
- Various Laboratory experiments are introduced through a procedure called “LAB PROTOCOL”, where, the students are exposed to various practical applications of the concerned experiment, bringing the real world into the laboratory.
- Expert lectures are arranged for the students to make them familiar with the recent Technological advancements. The experts from academics and industry are invited as resource persons

7. Participation of teachers in academic and personal counseling of students:

- To monitor the student in his / her overall personality development, including Academics, Mentoring and Training program was initiated at the institute level, and got penetrated at department level also.
- Each faculty Member is assigned with 6 students, and the respective faculty member will be the Mentor for them, during their course of study in the institute.
- The Mentor interacts with the students on weekly basis and motivates the students to improve their performance, by identifying their strengths and weaknesses.
- To improve the performance of academically weak students, Remedial classes are arranged in specific subjects, as per their needs.
- Training classes also are arranged to improve their aptitude and communication skills, as per the requirements of the employers during the campus placements.

8. Details of faculty development programmes and teachers who have been benefited during the past two years:

- A one day training session on Spectrum Analyzer, is arranged for the faculty of the department, on 12-01-2012, in association with INOX Technologies. Hyderabad.
- A 5 Day Workshop on DSP Processor Architectures was conducted during 19-12-2011 to 23-12-2011.

30 faculty members from various engineering colleges across Andhra Pradesh participated and got benefited through the lecture sessions and laboratory sessions organized.

- A Two day Hands on Training session was arranged on ARM Processor and PSOC, for the faculty of the Department during 13-10-2011 and 15-10-2011. Technical personnel from UTS Technologies were the resource persons. 10 faculty members of the department, working in the area of embedded systems had the benefit to enhance their laboratory skills.

- A 12 day AICTE sponsored Staff Development Programme on “REAL TIME SIGNAL and IMAGE PROCESSING”, was organized during 06 – 06-2011 to 18-06-2011.
 - 40 faculty members from various engineering colleges throughout India and 20 students of UG and PG courses participated in the above programme.
 - Two day Faculty Development program on “MSP-430 Embedded Processor”, was conducted in association with TEXAS Instruments, Bangalore during 29-11-2010 to 30-11-2010.
 - 20 members from academics and industry were the participants.
 - A 1 day Training program on PSOC was organized for the faculty of the department.
 - A 5 day workshop on “Stochastic Variables and Stochastic Processes”, was conducted during 01-07-2010 to 06-07-2010.
 - 30 faculty members and 20 students were the participants.
 - 3 day workshop on “Embedded processors and Systems”, was conducted during 08-06-2010 to 10-06-2010.
- 15 faculty members and 10 students were the participants.

9. Participation /contribution of teachers to the academic activities including teaching, Consultancy and Research:

- Every faculty member is involved in building the strong basis for the student, in every individual course.
- The delivery of the subject is as per the lecture plan, prepared before which is available with the individual student.
- To make the students industry ready, the students are exposed to industrial practices, through the experiences they had, during their shadow engineering.
- To make the students face the global challenges, the faculty conducts various design contests and motivates the students to take part in various National / State Level technical design contests.
- Subjects related to various advancements in the fields of concerned branch of Engineering was introduced as elective subjects and faculty are involved in delivering the required, efficiently.

- The faculty are involved in imparting the knowledge in multidisciplinary subjects, such as C & Data Structures, Operating Systems, Data Base Management Systems, and Object Oriented Programming, which will improve the multi dimensional competency of an individual.
- Concepts in various topics, over and above the curriculum will be induced to the student, to improve the employability of an individual.

Consultancy and Research:

Faculty members of the department are involved in Industry sponsored projects and Research and Development activities. The following is the list of Research Projects, where the faculty of the department are involved.

- Automated Commando Training System (ACTS) – Delivered to AP Police.
- Mobile Image Position Performance Analysis System (MIPPAS)

10. Collaboration with other departments /institutions at the state, national and international level and their outcome during the past two years:

Department has entered into Memorandum of Understanding (MOU) with

- TEXAS Instruments, Bangalore.

Under this MOU, Technical workshops and seminars are conducted on MSP-430, A Low Power Embedded Processor. This processor finds many applications in low power devices.

- Avantel Limited, Hyderabad.

Under this MOU, various UG and PG students are allowed to participate in various R & D activities in RF Engineering.

- Future Tech Pvt. Ltd, Hyderabad

Under this MOU, the faculty attended for Shadow Engineering, and the students of UG and Diploma courses were involved to carry out their projects.

- Ananth Technologies Ltd, Hyderabad.

Under this MOU, the PG students were offered project works, in the areas of communication Engineering and Embedded systems.

- Department is supported by CYPRESS, Bangalore, in carrying out academic projects in the area of PSOC.

11. Priority areas for research and details of the ongoing projects, important and noteworthy Publications of the faculty, during past two years:

The Thrust areas of research in the department are

- Communication Engineering
- Signal Processing
- Image Processing
- VLSI System Design
- Embedded Systems
- Biomedical Signal Processing

In the last five years, 25 papers were published by the faculty at National and International level, in the above mentioned areas. The Detailed List of Publications is enclosed in **Appendix V**.

12. Placement record of the past students and the contribution of the Department to aid student placements:

Prestigious Organizations like Wipro, Infosys, Tata Consultancy Services, Cognizant Technologies, Syntel, Delloitte, Mahindra Satyam, Honeywell etc. recruited our students.

The Following are the details of the Placements of the students of ECE Department, in the previous 5 years:

S.No	Year	No of Students Placed
1	2010-11	102
2	2009-10	76
3	2008-09	46
4	2007-08	81
5	2006-07	92

- To make the students ready to face the interviews during their campus placements, Mock Interviews are conducted in the department in association with Training & Placement Cell of the Institute.
- In connection with the technical interviews at campus placements, the students are trained in the core subjects, by conducting the review classes in various subjects, as per the requirement.

- A Placement committee was constituted at the department level. Students from 3rd Year B.Tech and 4th year B.Tech are the members of the committee, with 1 faculty member from the department as the coordinator. This committee prepares the profile of the department and contacts various employers and invites them for campus recruitment drive. This process is under the supervision of Training and Placement Cell of the institute.
- This committee member meets twice in a month and reviews the recruitment processes conducted and discusses about the new initiatives to be taken for implementation.

13. Perspective Plan of the Department for the next five years:

- To establish centre of excellence in the field of Electronics and Communication Engineering.
- As Department of ECE was recognized as research centre by JNTUH, Hyderabad, to offer Ph.D. Programmes.
- 50% of the faculty with Ph.D. Qualification.
- Certification and value added courses to be offered to students.
- To attract Industry Sponsored Projects.
- Initiate Industry Sponsored M.Tech. Programmes.
- To offer guidance and coaching for the students, making them ready to face the national level competitive examinations.
- To achieve 100% Placement for the outgoing Students.

Department of Electronics & Communications Engineering



Evaluative Report of Computer Science and Engineering Department

The department of Computer Science and Engineering was established in the year 1995. The department offers the following courses

1. B.Tech - Computer Science and Engineering – Intake 120
2. M.Tech - Software Engineering – Intake 18

1. Faculty profile, adequacy and competency of faculty:

The Department of Computer Science and Engineering has required number of faculty and staff members. Faculty is qualified with various specializations like computer science and engineering, software engineering, network security, data bases and data mining. All the faculty have a minimum of post graduation qualification. 15 faculty members are pursuing Ph.D. Faculty has presented papers in several National and International conferences and Journals. Staff Development Program sponsored by AICTE worth 2.0 lakhs is to be organized in the May 2012. More than 70 % of faculty is working with the department for more than five years. All the faculty are members of the ISTE professional body. And few faculty are members of the CSI professional body.

- The Computer Society of India has chosen CSE as the best student branch for the year 2010.
- Four staff publication were chosen for best paper awards in the last two years.
- Best Teacher Award under ISTE AP section for the year 2011 was awarded to a professor in the department.
- Mr. G. Ramesh Chandra faculty adjudged as Best Distinguished Official Award by Pentagram Research Centre, Hyderabad for the year 2011.
- Guest lecturers arranged by the experts from industries to bridge the gap between industry and academics.
- Experts from reputed educational institutions like NIT, IIIT, HCU, JNTU and IIT are invited to address the students regarding various technical developments.
- Experts from reputed industries like Infosys, TCS, etc are invited to address the students regarding various industry development programs.

- The faculty members organize seminars both national and international, presentations, quizzes, and group discussions as an alternative means of interaction with students to update them with the latest trends in their academic and research field.
- The faculty members have more than 40 publications in last five years. The number of publications has been increasing every successive year.
- The faculty of the department are involved in organizing technical events to explore the skills of the students at various levels.

2. Student Profile – Entry level competencies, socioeconomic status, language proficiency etc.:

Student Enrolment	Under Graduate						
	M	F	Total	SC	ST	OBC	OPEN
2008-2009 (Present Final Year)	78	51	129	13	5	42	69
2009-2010 (Present Third Year)	64	62	126	15	6	40	65
2010-2011 (Present Second Year)	51	71	122	13	6	36	67
2011-2012 (Present First Year)	54	67	121	12	5	41	63

*M-Male, F-Female, T-Total

- The students admitted in this course are with an average starting rank of 5000 at state level.
- Most of the students are the members of the CSI professional body.
- The department has more number of students from Andhra Pradesh and a few from other states. Most of the students are from English medium from their primary schooling.
- The department conducted the certification courses on Android & certification in Information technology.
- Training sessions for communication skills & soft skills are conducted every week.
- Seminars and guest lectures are conducted every month.
- Technical sessions for placement training are conducted every year.

3. Changes made in the courses or programs during the past two years and the contribution of the faculty to those changes:

Institute has got autonomous status by the affiliation of JNTUH from the academic year 2011-12 where in 20% of JNTU syllabus is modified as per the Industry needs. In this revision process all the faculty members of the department are involved along with guidance of eminent experts from the industry & academics. The revised syllabus is discussed and approved through BOS and academic council.

4. Trends in success rate and dropout rate of students during the past two years:

Academic Year	No. of Students	Success Rate	Dropout Rate
2010-11	126	100	0
2009-10	126	100	0

- The success rate of results is increased with every passing year to the present percentage of 82%.
- In the year 2010-11 Department has got one University rank in the I B.Tech.
- The dropout rate for students is zero.
- For academically weak students remedial classes are conducted besides the regular course work.
- Economically poor students were supported financially by staff and alumni.
- More than 70% of the students proceed for higher studies.
- 50% of the students secure distinctions.

5. Learning Resources of the Department like library, computers, laboratories and other such resources:**Library:**

The Departmental library is a very rich resource of reading material and has 606 books in the field of Computer Science and Engineering. The main library is also a member of UGC consortium "INFLIBNET" which makes many journals

available online from publishers of great repute like IEEE, Elsevier and Science Direct etc. Department Library is available beyond working hours also.

Computers:

Department has 316 P-IV Systems and two laptops. The systems in the laboratory have software's like Oracle10i, Clementine, and Rational Rose, Microsoft Campus Agreement etc., to cater to the requirements of the course curriculum and also for student projects.

Laboratories:

Name of the Lab	Available floor area(Sq.m)
Basic programming Lab	233.5 sq,m
Application programming lab	
Systems Programming lab	
Software Engineering Lab	44.4sq,m
Institute Computer centre	294.52sq,m
Department Library	150 sq,m

- Departmental library is maintained with reference and issue books.
- The Institute has well-equipped Internet Laboratory with 30 systems.
- Department has 6 different labs for students usage.
- Basic programming Lab (UML, ITSW, C& DS)
- Application programming Lab(JAVA,C, C++, ITSW)
- Systems programming Lab (DBMS,JAVA, WT , C&DS,ITSW)
- Institute Computer center

Domain Labs:

- Software Engineering Lab

Industry specific and cross domain lab:

- Real Time Computing and Virtual Reality Lab.
- The Department has audiovisual aids like LCD Projector, Overhead Projector, Scanners, Printers and Collar Microphone etc.

Complete campus has centralized wired and wireless network service with internet browsing of bandwidth 30Mbps leased line.

6. Modern teaching methods practiced and use ICT (Information and Computer Technology) in teaching – learning:

- Department has LCD facility which is invariably used for effective teaching.
- Apart from class room teaching, emphasis is also being given for industry training.
- In addition to the lecture method, various teaching methods like Multimedia based learning, visualization classrooms, group discussions, power point presentations, seminars are being used for learning process.
- Students were also given exposure to the lectures of eminent personalities by organizing seminars and lectures.
- VNR LAB Protocols are developed by the faculty to make the practical sessions more effective and interesting.
- Domain and cross domain labs are created to gain the practical knowledge on different platforms.
- Content management is prepared for all the subjects by the faculty and made available in the digital library for students.

7. Participation of teachers in academic and personal counseling of students:

- Each faculty member is involved in regular class work, departmental work, NBA work, examination work and Institute duties.
- Each faculty is involved in attendance / marks monitoring and posting of the data to the parents.
- Faculty members mentor each student individually and consistently over the four years of B.Tech.
- For each faculty member, six students are allotted in all the 4 years.
- Counselors are appointed for every 10 students and the academic performance of the students is communicated to their parents on a monthly basis.
- MTP (Mentoring, Training & Placements) books are recorded with the academic and overall performance of the student.

8. Details of Faculty development programs and teachers who have been benefited during the past two years:

- Faculty development programme on “Data Mining” is sanctioned by AICTE with a grant of Rs 2.0 Lakhs.

Name of the faculty	Name of the Program Attended
V.Baby, S.Nagini, T.Sunil Kumar, D.N.Vasundhara & P.Radhika	“Unified Modeling Language” , 5-May to 10-May 2010
S.Nagini, D.N.Vasundhara, T.L.Priyadarshini & B.Prathyusha	“Data Mining and Data Ware housing”, July 2010
P.V.Siva Kumar, K.Srinivasa Reddy, N.Sravani & Ch.Mukesh	“Network Management System” , May 2010
S.Suba, R.Vasavi, N.Sravani & Ch.Mukesh	“C and Data Structures” , July 2010
A.Brahmananda Reddy, T.Gnana prakash & R.Kranthi Kumar	Behavioral and soft skills , Dec-2010
A.Aslesha Lakshmi, & L.Jai Vinita,	” Mission 10X “conducted by WIPRO at our campus”, May-2011
L.Jai Vinita, G.Nagaraju & M.Venugopalchari	Micro teaching Programme for newly recruited faculty

9. Participation / Contribution of teachers to the academic activities including teaching, consultancy and research:

Research

- Three faculty members are guiding three student projects done in Research and Consultancy Cell.
- Three faculty members have applied for Research Proposal Scheme under AICTE Grant.

Teaching and other activities

- Faculty actively involve in regular class work, examination work, evaluation work, and other academic activities.
- Few faculty are involved extra-curricular & co- curricular activities of the department.

- Mrs. R.Vasavi, Asst. Professor and Mr. T.Gnana Prakash, Asst. Prof. is involved in the certified program “Student Enhancement Program (STEP)” in MOU with IIIT, Hyderabad.

10. Collaboration with other departments/ institutions at the State, National and International levels, and their outcome during the past two years:

Department entered Mou with:

- An MOU with IIIT, Hyderabad is signed to offer certification course on “Information Technology” to students to students.
- M/s TCS Ltd launched “TCS Common” online office development programme to students.
- An MOU with INFOSYS (Campus Connect Program) a training program is offered to the III year students and handled by the various faculties to enhance the mental ability, soft skills, technical skills and leadership qualities of the students.
- The department organizes various recruitment online tests on behalf of M/s TCS Ltd.

11. Priority areas for research and details of the ongoing projects, important and noteworthy publications of the faculty during the past two years:

- There are a total of 17 National and International publications by the faculty. The detailed list is given in the appendix V.
- The priority areas of research are Data Mining , Image Processing, Artificial Intelligence & Network Security

Ongoing Research projects

Name	Project Name / Place	Funds
A.Kousar Nikhath, Assistant.Prof	Integrated Computing System For measuring Driver Safety index In VNR VJIET/Hyderabad	Rs. 1,25,000/-
P.V.Shiva kumar, Associate Professor and V.Baby, Associate Professor	Dhrona Application –Govt of AP (Police)	Rs 1,00,000/-

S.Nagini, Associate Professor	Detection of Electricity theft using hybrid GA-SVM	Rs. 1,25,000/-
P.V.Siva Kumar, Associate Professor	Identification of humans using their GAIT	Rs. 1,25,000/-

12. Placement record of the past students and the contribution of the department to aid student placements:

- Department placement committee consisting of faculty and students with Head of the department as chairman is in place. The department will conduct technical skill development programmes to students on programming, data structured and Logarithms.
- Department will help training and placement cell in identifying the companies for placement. T&P Cell will Organize many skill development programmes to students and help students to place on campus.

PLACEMENTS FOR THE LAST FIVE YEARS

Year	No of Students Placed
2007-08	77
2008-09	35
2009-10	96
2010-11	100
2011-12(current year)	90(till date.)

13. Plan of action of the department for the next five years:

- Use of technology as an essential component of the educational process for which faculty is permitted to visit various reputed institutions and industries to bridge the gap between academic and industry.
- Development of curriculum and planning of the learning environment with technology as an integral component.
- Pilot the implementation.
- Continually improve the effectiveness of technology use.

- Improving infrastructure or facilities for R&D and promote sharing of such facilities.
- Improving the quality of science, technology issues and innovation policies of the department through processes that promote sharing of experiences and policy learning.
- Strengthening the human skills base by increasing the number of scientists, technicians and engineers.
- To have more than 50% of faculty with PhDs.
- To improve the results so as to achieve a pass percentage of 90%.
- To encourage faculty to have at least one funded project.
- To start at least two new courses in Post Graduate level and to have an increased intake at B.Tech. Level.
- To have MOU with reputed organizations, software industries and foreign universities.

Department of Computer Science Engineering



Evaluation report of Electronics and Instrumentation Engineering Department

The Department of Electronics and Instrumentation Engineering has been established in the year 1999. The department offers 1 UG and 1PG program

- a) **B.Tech** - Electronics and Instrumentation Engineering – intake of 120
- b) **M.Tech** - Electronics and Instrumentation – intake of 18.

1. Faculty profile – adequacy and competency of faculty:

Since its inception, the department has been providing qualitative education in the field of Electronics & Instrumentation. The department has adequate number of faculty members with specializations in Instrumentation, Process Control Instrumentation, Medical Electronics, Control Systems, and Biomedical Instrumentation etc. The faculty members are well qualified and competent to teach at Undergraduate and Post Graduate level students. In addition, Guest Lectures are arranged by the experts from Industries to bridge the gap between industry and academics. Experts from reputed educational institutions like NITs and IITs are invited to address the students regarding various technical developments. The faculty members organize National and International Seminars, Group Discussions and Industrial Visits as an alternative means of interaction with students to appraise them with the latest trends in their academic and research field. The faculty members have more than 18 publications in last five years. The number of publications has been increasing every successive year. Every faculty is a mentor who acts as student's counselor to guide the students and extend help as and when the students need. Each class is assigned with a faculty member as class coordinator. The faculty members of the department are involved in organizing technical events like Paper Presentation Contests, Quizzes, Digital Design Contests, Programming Contests and Project Exhibitions to explore the skills of the students at various levels. More than 50% of faculty is serving the department for more than 6 years.

2. Student Profile – Entry level competencies, socioeconomic status, language proficiency etc.:

- The students of B.Tech course get admitted into courses through state wide common examination conducted by the State Government.
- PG Students are admitted through GATE/PGECET Examination.
- More than 50% of the Students are availing Fee Reimbursement proposed by the Government of AP. The students admitted in this course are with an average starting rank of 5000 at state level.
- The department has more number of students from Andhra Pradesh and a few from other states. Most of the students are from English medium from their primary schooling.

Student Enrolment	Under Graduate						
	M	F	Total	SC	ST	OBC	OPEN
2008-2009 (Present Final Year)	34	26	60	07	02	17	34
2009-2010 (Present Third Year)	35	25	60	06	02	17	35
2010-2011 (Present Second Year)	31	29	60	06	03	18	33
2011-2012 (Present First Year)	72	48	120	11	07	36	66

*M-Male, F-Female, T-Total

3. Changes made in the courses or programmes during the past two years and the contribution of the faculty to those changes:

The course curriculum of the department is continuously revised and the last revision was done in 2009 and 2011 as we got university autonomous status from **JNTUH**. The curriculum is designed keeping in view of Industry requirements. All the faculty are involved in the preparation of syllabus for autonomous batch of the students for the academic year 2011-12 and presented to BoS for review & suggestions and approved by the academic council.

4. Trends in success rate and dropout rate of students during the past two years:

- The rate of success in the results is increased with a constant rate to a present percentage of 86.44%
- In the year 2009-10 Department has secured one gold medal in academics.

The dropout rate is negligible because:

- As far as the socio economic factors are considered, financially backward students are supported by the department and the alumni of the department.
- For academically backward students remedial classes are conducted besides the course structure.
- Counselors are appointed for every 8 students.
- Book bank is available in the main library and department library for economically backward students.

5. Learning Resources of the Department like library, computers, laboratories and other such resources:**Library:**

The Departmental library has rich resources and it has 383 books in the field of Electronics, Instrumentation and Computers. The department library has back volumes of project reports and computers with internet facility. The students and faculty use the department library.

Computers:

Department has 51 P-IV systems and two laptops. The systems in the Virtual Instrument & Industrial Instrumentation laboratory have software like LABView, Multisim, Ultiboard & Versapro, to cater to the needs of curriculum needs as well as student projects.

Laboratories:

Department has 8 different Labs for students viz.

- Transducers Lab
- Process Control Instrumentation Lab

- Industrial Instrumentation Lab
- Analytical Instrumentation Lab
- Virtual Instrumentation Lab
- Electronic Devices and Circuits Lab
- Pulse and Digital Circuits Lab
- Analog and Digital IC Applications Lab

All the laboratories are well equipped with the infrastructure facilities to suit to the requirements of the curriculum and also industry needs. All the laboratories are offering consultancy services meeting the industry needs.

- **Laboratory Initiative Protocols** are prepared for every lab to promote students to think creatively.

Other Resources:

- Department has audio visual aids like LCDs, OHPs to support the innovative teaching practices.
- Department has printers, scanner and video camera to support various activities.

6. Modern teaching methods practiced and use ICT (Information and Computer Technology) in teaching – learning:

- Department has Wi-Fi & LAN enabled systems and LCD projector facility which is invariably used in teaching.
- Apart from class room teaching, emphasis is also being given for industry training
- In addition to the lecture method, various teaching methods like Multimedia based learning, audio visual classrooms, group discussions, power point presentations, seminars are being used for learning process.
- Students are also given exposure to the lectures of eminent personalities by organizing seminars and lectures.
- Domain and cross domain labs are created to gain the practical knowledge on different platforms.

7. Participation of teachers in academic and personnel counseling of students:

- Faculty is involved in Regular class work, Department administrative work, Examination work and Institutional administrative work.
- Faculty will maintain Attendance / marks monitoring and posting of the data to their parents.
- Faculty members are mentoring each student individually starting from the first year to their stay in all 4 years.
- For each faculty 6 to 8 students are allotted for counseling.

8. Details of Faculty development programmes and teachers who have been benefited during the past two years:

Name of the Faculty	Faculty development program Attended / Organized (seminar/workshop/etc)	Duration and dates of program
S.Pranavanand A.Anitha Kulkarni C.V.Ram Babu V.Nageshwar D.V.Shobana A.Pavani Lakshmi	A two days Virtual Instrumentation workshop organized by R.Manjula Sri	16 th & 17 th June, 2011
R.Manjula Sri	A five day workshop - Art of Living	June, 2011
S.Pranavanand C.V.Ram Babu K.Vijay Chandra	A five day faculty development programme by WIPRO (Mission 10x)	June, 2011
A.Anitha Kulkarni	A two day work shop on Nano Tech in Bio-Medical	Oct, 2011
M.Hari Krishna	<ul style="list-style-type: none"> • A two day workshop essential Instrumentation for Health Monitoring. (IISC Bangalore) • A two day workshop DST sponsored workshop on "Instrumentation for the study of Climate Change" 	23 & 24 Oct, 2010 20 th and 21 st Jan 2012.
M.Hari Krishna K.Sudha Rani	A two day Workshop Real Time Signals and Image Processing.	6th to 18 th June, 2011
V.Nageshwar	A two day Work Shop recent trends in Analytical Instrumentation	December, 2010
A.Aditya Kasyap	2 day Workshop on Nano Technology	23 & 24 Dec, 2011

9. Participation / Contribution of teachers to the academic activities including teaching, consultancy and research:**Teaching and other activities**

- Each teacher is actively participates in regular Class Work, Internal Marks Consolidation, Monthly Attendance Consolidation, Examination Work, Evaluation Work, Result Analysis Preparation, etc.
- All faculty are members are involved in Class Review Committee Meetings, mentoring, Project Review, Placement Coordination, Alumni Coordination, Academic and Department Development Activities etc.
- Few faculty are involved in extracurricular & co- curricular activities which they carry out successfully

Research

- R.Manjula Sree, S.Pranavanand, K.Sudha Rani and Nageshwar are pursuing their research in their respective specializations.
- Other faculties are also working in their interested research fields.
- Sensory Measurement Unit is a Project developed by the department in collaboration with M/s.Drive Lozics.

10. Collaboration with other departments/ institutions at the State, National and International levels, and their outcome during the past two years:

- All the faculty members of EIE are members of ISTE, New Delhi and also ISOI, Bangalore.
- An MOU with INFOSYS (Campus Connect Program) a training program is signed for all the students to enhance their mental ability, soft skills, technical skills and leadership qualities.
- The department has an MOU with M/s Elico Ltd. for M.Tech. Internships.

11. Priority areas for research and details of the ongoing projects, important and noteworthy publications of the faculty during the past two years:**a) Area for research**

- Bio-Medical Instrumentation
- Control Systems
- Signal Processing
- Image Processing

b) Publications by Faculty

18 National and International, Conferences and Journal Paper have been published by the faculty members. The detailed list is given in **Appendix V**.

c) Completed Research Project

Two faculty members and one project assistant developed a RCC Project, **Sensory Measurement Unit** in collaboration with X-Design Ventures.

12. Placement record of the past students and the contribution of the department to aid student placements:

- Graduate and Postgraduate courses are well supported by respective Training and Placement Cells. Throughout the years both the courses keep rippling with campus interviews followed by placements. The Training & Placement Cell always put all its efforts to satisfy the students expectations for their career aims and also prepares the student to be Globally Acceptable and useful to the Society. The Personality Development for the student starts right from day the student enters the portal of the Institute. A visionary and devoted team of Training and Placement cell established for our college.
- 90% of the eligible students have been placed through campus placements. The core companies that recruited the students are Dr. Reddy Labs, Simon craves India ltd., Spinco Biotech, G.E., Elico Ltd, DuPont, Dalmiya Cements, Thermal systems, Aurobindo Labs, etc.

13. Plan of action of the department for the next five years:

- To establish one UG and two PG courses namely Bio-Medical Instrumentation (U.G), Process Control (P.G), Instrumentation and Control (P.G).
- To get more consultancy through the established research laboratory (Lab View).
- To introduce one certificate course and vocational course in the field of Instrumentation, Control and Automation every year.
- To achieve 100% results and 100% placements of eligible candidates.
- To strengthen the knowledge of the faculty by continuously deputing them to National, International Conferences and training programmes.
- To motivate the students to become good entrepreneurs.
- To improve the infrastructural facilities by modernizing the laboratories according to the Industry need.

Department of Electronics & Instrumentation Engineering



Evaluative Report of Information Technology Department

The Department of IT was established in the year 1997.

The Department offers Undergraduate B.Tech Information Technology programme, with an intake of 60.

1. Faculty profile, adequacy and competency of faculty:

- Since its inception, the department has been providing quality education in the field of Information Technology.
- The department has 17 regular faculty members.
- The faculty members are well qualified and competent to teach at Undergraduate level.
- Guest lectures are arranged by the experts from industries to bridge the gap between industry and academics.
- Experts from reputed educational institutions like NITs and IITs are invited to address the students regarding various technical developments.
- The faculty members organize seminars both national and international, presentations, quizzes, and group discussion as an alternative means of interaction with students to appraise them with the latest trends in their academic and research field.
- The faculty members have more than 19 publications in last two years. The number of publications have been increasing every successive year.
- Every faculty is associated with a class as faculty coordinator; mentor who act as student's counselor to guide the students and extend help as and when the students need.
- The faculty members of the department are involved in organizing technical events to explore the skills of the students at various levels.

2. Student Profile – Entry level competencies, socioeconomic status, language proficiency etc.:

Student Enrolment	Under Graduate						
	M	F	Total	SC	ST	OBC	OPEN
2008-2009 (Present Final Year)	38	24	62	06	03	21	31
2009-2010 (Present Third Year)	32	33	65	07	01	16	41
2010-2011 (Present Second Year)	34	36	70	05	03	16	46
2011-2012 (Present First Year)	23	37	60	06	04	15	35

*M-Male, F-Female, T-Total

- The Dept. of IT has an intake of 60 students for B.Tech (IT) course, selected each year through EAMCET (Engineering Agriculture and Medicine Common Entrance Test) conducted by AP state government .
- The students admitted in this course are with an average starting rank of 5000 at state level.
- The department has more number of students from Andhra Pradesh and a few from other states. Most of the students are from English medium from their primary schooling.

3. Changes made in the courses or programmes during the past two years and the contribution of the faculty to those changes:

- The course curriculum of the department is revised and the last revision was made in 2009 and 2011.
- VNRVJIET granted autonomous status under JNTUH in 2011, 20% of the syllabus is revised as per the requirement of the stakeholders.

- The curriculum is enriched by offering add-on courses, certificate programmes.
- Faculty visits to reputed universities provide exposure to improve the pedagogy and curriculum.
- Faculty are involved in the preparation of the curriculum and are the members of BoS.

4. Trends in success rate and dropout rate of students during the past two years:

- Pass percentage of the students is 90%.
- About 50% of the students proceed for higher studies.
- Pass percentage, first classes and distinctions are quite high.
- Remedial classes are conducted for academically backward students besides the course structure.
- Faculty Mentors are allotted for every 4 students from the each year course.

5. Learning Resources of the Department like library, computers, laboratories and other such resources:

Library:

The Departmental library has 94 books, back volume project reports and video lectures. The Department library caters to the needs of the students.

Computers:

- The Department has well-equipped Internet Laboratory with 30 systems.
- The Department has 118 desktop systems and 2 laptops for academic labs.

Laboratories:

Department has 3 different labs for students viz.

Name of the lab	Available floor area (Sq.m)
Advanced programming Lab	145.38
Advanced Unix programming Lab	15.6
IT workshop	63.62
Software applications lab	32.5

- The Department has Audio-visual Aids like LCD Projector, Overhead Projector, and Collar Microphone etc.
- Complete campus has a centralized wired and wireless network service with internet browsing of bandwidth 30Mbps leased line maintained by IT Department.

6. Modern teaching methods practiced and use ICT (Information and Computer Technology) in teaching – learning:

- Department has LCD facility which is invariably used in teaching.
- Apart from class room teaching, emphasis is also being given for industry training
- In addition to the lecture method, various teaching methods like Multimedia based learning, group discussions, power point presentations, seminars are being used for learning process.
- Students were also given exposure to the lectures of eminent personalities by organizing seminars and lectures.
- Domain and cross domain labs are created to gain the practical knowledge on different platforms.

7. Participation of teachers in academic and personnel counseling of students:

- Each faculty is involved in Regular class work, Department work, Examination work and Result analysis
- Each faculty is involved in monitoring attendance / marks and posting the data of the wards to their parents.
- Students are being mentored by the faculty mebers from 1st year to 4th year.

8. Details of Faculty development programmes and teachers who have been benefited during the past two years:

Teachers who have been benefited during the past two years:

TEACHING	
D.Srinivasa Rao	Attended the course on “Operating Systems” as part of Indo-US Engineering Faculty leadership Institute from 29-06-2009 to 03-07-2009
V.Saritha	Participated in Refresher course on “Recent trends in Data Warehousing & Data Mining” sponsored by MHRD Govt. Of India at NIT Warangal during 8 th -20 june,2009
M.Sai Yamini	Participated in the UGC sponsored refresher course on “Information System Security” from 09-11-2009 to 30-11-2009
Y.Usharani	Participated in the “Linux System Programming” held from 3-05-2010 to 14-05-2010
G.Suresh Reddy	Participated in the “Advanced Trends in Web Mining and Data Warehousing” held from 18-10-2010 to 08-11-2010
V.Saritha	Participated in the “Advanced Trends in Web Mining and Data Warehousing” held from 18-10-2010 to 08-11-2010
N. Mangathayaru	Conducted in the “Recent Trends in Networking And Security” held from 13 th - 26 th June 2011 at VNRVJIET.
B. Mathura Bai, Y. Usha Rani, M. Sai Yamini	Participated in the “Recent Trends in Networking And Security” held from 13 th -26 th June 2011 at VNRVJIET.
Y. Usha Rani, M. Sai Yamini, Ila Chandrakar, G. N Chandrika	Participated in the “Refreshing Course on C and Data Structures” held from 28 th June-2 nd July 2011 at VNRVJIET.
T.Shailaja	Attended the industry oriented training programme as a part of shadow engineering held from 8 th -13 th Aug 2011 at NAARM, Rajendranagar , Hyd
T.Ravi	Participated in the “Mission 10X “ workshop held from 23 rd -27 th Aug 2011 at GRIET, Hyd.
M. Manasa	Attended the “Foundations of efficient Software Development” certificate program held from 17 th - 24 th Dec 2011 at IIT, Hyd.
G.Madhu	Participated and presented paper in the Multi-Disciplinary International workshop on “Artificial Intelligence“ held from 7 th -9 th Dec 2011 at University of Hyd.

9. Participation / Contribution of teachers to the academic activities including teaching, consultancy and research:**Consultancy:**

Ms. V.Saritha, Associate Professor and Mr. T. Ravi, Asst. Professor are involved in **Campus Automation Systems (CAMS)** an ongoing project worth **Rs. 15.70 Lakh** in association with Future Technologies, Hyderabad.

Research:

Mr. D.Srinivasa Rao, Sr. Asst. Professor involved in **Research Promotion Scheme (RPS)** a project granted by **AICTE** worth of **Rs. 3.50 Lakh** under RPS scheme for the period of two years (2011-2013).

Teaching and other activities:

- Each teacher actively takes in regular class work, examination work, evaluation work, result preparation, etc.
- Each teacher has been allocated various extracurricular & co- curricular activities which they carry out successfully
- **Ms. V.Saritha, Associate Professor and Mr. M.Koteswara Rao, Assistant Professor** are involved in **Oracle WDP, a certification programme.**
- **Mr. D. Srinivasa Rao, Sr. Asst. Professor** is involved in certified programme **Student Enhancement Programme (STEP)** in **MOU** with **IIIT Hyderabad.**

10. Collaboration with other departments/ institutions at the State, National and International levels, and their outcome during the past two years:

- An MOU with IIIT, Hyderabad is signed to carry out certification course (CIT) for the students.
- An MOU with ORACLE Corporation is signed to carry out Oracle Workforce Development Programme for certification courses, for which 14 students have already certified.
- An MOU with Future TECH for Campus Automation Management System Software is carried out in the institute.
- An MOU with INFOSYS (Campus Connect Programme) a training programme is signed for all the students and is taken up by various faculty to

enhance their mental ability, soft skills, technical skills and leadership qualities.

- All the faculty members of IT are members of ISTE, New Delhi and one of the faculty is a member of CSI.

11. Priority areas for research and details of the ongoing projects, important and noteworthy publications of the faculty during the past two years:

a) Priority Areas for Research

- Bio-Informatics
- Data Mining
- Image Processing
- Software Engineering

b) Ongoing Research projects

Name	Project Name / Agency	Funds
V.Saritha, Associate Professor	Campus Automation Software Development / FutureTech, Hyderabad	Rs. 15,70,000/-
D.Srinivasa Rao, Sr. Asst. Professor	Image Fusion using Fuzzy Logic Sponsored by AICTE/New Delhi under RPS	Rs. 3,50,000/-

c) Faculty Publications

There are total 16 National & International publications by the faculty. List is given in **Appendix V**.

12. Placement record of the past students and the contribution of the department to aid student placements:

- The department faculty members conduct Technical Programmes to enhance the students Technical Skill in the areas of Programming, Algorithms etc. The department assists the Training and Placement Cell in organizing Campus Placement Drives. One faculty of department is member of Institute Placement Committee. Training & Placement Cell organizes soft skills personality development programmes etc. for students.

- Overall 75% students are placed in various MNCs in last 5 years.

13. Plan of action of the department for the next five years:

- To have funded Projects.
- Develop curriculum and plan the learning environment with technology as an integral component.
- Improving infrastructure facilities for R&D and promote sharing of such facilities.
- To have MOUs with reputed organizations.
- To have more Ph.D holders in the Department.
- To secure 100% Placement.
- To start M.Tech Courses like Information Technology, Computer Network and Information Security at the initial phase and add on with new courses every year.

Department of Information Technology



Evaluative Report of Humanities & Sciences Department

The Department of Humanities and Sciences has been established in the year 1995. It provides knowledge of basic sciences, Mathematics, English and Management Economics for all the disciplines of engineering.

1. Faculty Profile:

- The Department of Humanities and Sciences comprises of five disciplines: Mathematics, Physics, Chemistry, Management Science and English. The department is equipped with distinguished teachers in adequate numbers, with eight faculty members possessing a Doctorate degree, 14 members pursuing their Ph.D. The faculty has 21 publications to their credit and has attended several National and International Seminars. A research Project on Environmental Science, sponsored by the Department of Science and Technology has been completed by the faculty in the Year 2010. One patent has been achieved by the faculty of H&S.
- Apart from being experts in the subject, the faculty are equipped with excellent communication skills and good organizational abilities. 50% of the teachers have been serving the institute for more than 10 years and this is evidence of their commitment to the institute and the institute's ability in retaining senior faculty.

2. Student Profile –Entry level competencies, socio-economic status, language proficiency, etc.:

The department offers service courses in Humanities and Sciences to all the Seven Engineering Departments. Presently the department is not offering any courses of their core areas.

3. Changes in the courses during the past two years and the contribution of the faculty:

- VNRVJIET accorded autonomous status through JNTUH, Hyderabad in the year 2011-2012. 20% of the syllabus has been revised in all the subjects of Humanities and Sciences as per the requirements of engineering subjects.

- All the faculty were involved in the syllabus design and made great efforts to reflect the latest advances in the respective fields to suit the requirements of the industry and the new demands of the situation. This was done with the guidance of experts in the respective disciplines. The revised syllabus is discussed and approved through BoS and Academic Council. The aim and intention in revising the syllabus is detailed herein.

Mathematics:

- The syllabus in Mathematics has been designed in such a manner as to focus on a sound understanding of key fundamental concepts and their relevance to applied problems. The range of topics is broad and covers major concepts including advanced calculus, vector calculus, Linear algebra, differential equations, integral transforms and complex analysis.
- The new syllabus has mainly served to evaluate and arrange the order of topics to coincide more closely with their use in engineering.

Physics:

In view of fast growing materials research, useful in all engineering branches, the syllabus is restructured and re-designed to comprehensively study the materials and their properties – optical, structural, magnetic and dielectric properties. In addition, applications of lasers, optical fibers, super-conductors and nano-science are included to enhance the student's knowledge in the latest fields of applied science.

Chemistry:

- The syllabus for Chemistry of Engineering Materials is devised in such a manner as to include the study of Energy Sources, and Engineering Materials like cement, refractories abrasives, adhesives and lubricants. Engineers need to understand the selection of materials that are used in fabrication and their use in the industry.
- The syllabus for Engineering Chemistry is designed in such a manner as to impart knowledge of applications of various electric storage devices, effect of corrosion and methods of its control, consequences of hardness in industrial

boilers, methods of water treatment, fabrication of various plastics and their uses, the applications of nanomaterials in medical and industrial sector. All these topics provide a foundational structure for engineering studies.

Management Science & MEFA:

- The new syllabus for Management Science is designed in such a manner as to give the students an insight into organizational procedures and management practices to enable their use in the industry.
- Similarly the syllabus for MEFA is designed to equip students with managerial and business skills so as to produce competent engineers capable of managing the industry and furthering the goals of the company.

English:

The syllabus for English Language Teaching has been totally transformed to orient the course towards technical writing which is required for both academic as well as workplace situation. The focus is on technical writing required in Science and Technology, rather than general English and teaching LSRW skills.

5. Learning resources of the Department:

The department is well equipped with learning resources such as a library, Computers, printers, laboratories and other audio visual aids such as LCD projectors and Television sets. The department is well equipped with 138 text books, 17 Journals and periodicals, 45 computers for the use of faculty and students, 3 LCD projectors and a Television set.

Computers:

The department has 44 PIV systems and one laptop. The systems in the Multimedia Lab for English are equipped with English language learning software such as English Mastery, Tense Buster, Telephoning in English, Pronunciation Power 2, Speech solutions, and Hi Class Software.

Laboratories:

Name of the Lab	Available floor area (in sq. m.)
English Communication Skills Lab	77.61
Multimedia Lab	117.31
Chemistry Lab	167.01
Physics Lab	116.38

6. Modern Teaching Methods practiced and use of ICT in teaching Learning

- The Department makes use of Information and Communication Technologies, and Modern Teaching Methods for Teaching Various Subjects. The faculty make use of audio-visual equipment such as the LCD Projectors, OHPs, and computers.
- The mathematics faculty make use of various web tools to demonstrate the basic concepts. Web tools like Java applets are designed to help students visualize important concepts. Applets include simulations and demonstration of vector fields, etc. Interactive activities are designed through web. For instance, exploremath.com helps students to visualize and explore a spectrum of major mathematical concepts from elementary algebra through precalculus.
- In a similar fashion, the teachers of English make use of the Multimedia Laboratory for Language teaching. Exercises in grammar, vocabulary, listening comprehension and reading are provided through the digital media. Extensive practice is provided in each of these aspects through this medium. The faculty also make use of LCD Projectors to enable students to make presentations.
- They make use of innovative methods for teaching language. One of these is a method called small corpora concordancing where language is taught contextually by using corpus data for demonstrating the usage of vocabulary and language structures. Apart from this, they also make use of process- genre pedagogy to teach technical genres such as reports, memos and business letters.
- Language teaching is also done through podcasting and vodcasting. Thus the department makes use of innovative methods of teaching.

- Apart from these, teachers participate in micro-teaching, nano-teaching, and knowledge sharing forums to enhance their teaching methodologies, and exchange knowledge so as to use it in the classroom for the benefit of the students.

7. Participation of teachers in academic and personal counseling of students:

All the faculty from the Department of Humanities and Sciences are engaged in Teaching and other academic activities. They are all mentors for 20 students each, meeting the students every fortnight, counseling them on academic matters and guiding them in their day-to-day life.

8. Details of faculty development Programs and teachers who have been benefited during past two years:

Dr. Parchuri Raghavendra Rao:

- Co-chaired a Two day workshop on '*Laboratory course in physics (PxLab-2009)*' conducted at JNTUH college of Engineering, jointly sponsored by VNR VJiet and JNTUH college of engineering.(September,2009)
- Organized a Two day workshop on '*Teaching methodology in Engineering Physics and its applications in Engineering and Technology*' at VNR VJiet (27th and 28th August,2010)
- B. Sandhya Sarma Attended Infosys Campus Connect—Train the Trainer Programme at Infosys from 30th May to 1st June, 2011.

C. Kalpana:

- Attended Campus Connect—Train the Trainer Programme at Infosys from 30th May to 1st June, 2011.
- Three-full-Day Teacher Support Programme from 13th – 15th September 2010,conducted by the British Council to train Business English Teachers to prepare students for the Cambridge English Certificate

Swapna Narsetti:

- Attended Refresher Course on “Semiconductor Physics and Thin Film Technology” At JNTUH from 20-07-2009 to 08-08-2009.

9. Contribution of teachers to the academic activities including teaching, consultancy and research:

Lab protocol: Lab protocol, a visual aid to present experiments to the students is used in order to show the purpose and process of experimentation.

Mentoring: The teachers participate in counseling the students on their academic performance as well as to equip them with strategies to manage their personal as well as academic problems.

Demonstration of models: In almost all the subjects, students are taught by demonstrating models and drawing their attention to the focused aspects.

Special classes for students: Students are provided with tutorials and special classes to reinforce their knowledge. In order to give enough practice in conducting the experiments extra time is allocated to the students for doing experiments and gain practice.

Assignments: Number of assignments are given to the students so as to enable them to think originally and answer the questions.

11. Priority areas for Research and details of the ongoing projects, important and noteworthy publications of the faculty, during past two years:

The faculty have 21 National and International publications to their credit. The detailed list is given in Appendix V.

Priority areas for Research in Fluid Dynamics, Computational Fluid Dynamics, Automated Reasoning, Image Processing, Environmental Science & Technology, Analytical Chemistry, Laser Optics and Nano-Technology, Human Resource Management and Financial Management, Technical Writing, English Language Teaching, Women's' Studies (Indian Literature) and Comparative Literature.

DST Project – Dr.C.Jyothsna, faculty of Chemistry completed a research project “Designing of electro coagulation method for waste water treatment” was sanctioned under Women Scientists Scheme by Department of Science and Technology, New Delhi, of Rs.18.24 Lakhs for a duration of 3 years

12. Placement record of the past students and the contribution of the department to aid student placements: Nil**13. Plan of action for the next five years:**

The plan of action for the H&S Department for the next five years is:

- Ensure that 90% of the faculty members possess a Doctorate Degree.
- Introduce two new PG programmes in Mathematics.
- Introduce one new PG programme in Physics.
- To offer Certificate and Value added courses to the students

Department of Humanities & Sciences



D. 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 discussion, and no part thereof has been outsourced.

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

Signature of the Head of the Institution

With seal:

Place:


Date:

Appendix-I: (1) UGC Recognition under 2(f)

Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in

F. No. 1-1/2004 (CPP-I)



SPEED POST

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

21/5 May, 2010

24 MAY 2010

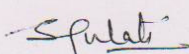
The Principal,
Vallurupalli Nageshwara Rao Vignana Jyothi
Institute of Engineering & Technology,
Vignana Jyothi Nagar, Bachupally,
(Via) Kukatpally, Hyderabad – 500 090,
Andhra Pradesh.

Sub: -Recognition of Vallurupalli Nageshwara Rao Vignana Jyothi Institute of Engineering & Technology, Vignana Jyothi Nagar, Bachupally, (Via) Kukatpally, Hyderabad – 500 090, Andhra Pradesh, under Section 2 (f) of the UGC Act, 1956.

Sir,


With reference to the letter No. VJ/REG/UGC/10/270 dated 07.05.2010 received from the Registrar on the above subject I am directed to say that the name of **Vallurupalli Nageshwara Rao Vignana Jyothi Institute of Engineering & Technology, Vignana Jyothi Nagar, Bachupally, (Via) Kukatpally, Hyderabad – 500 090, Andhra Pradesh**, established in the year of 1995, affiliated to Jawaharlal Nehru Technological University, Hyderabad is included in the list of Colleges maintained under Section 2 (f) of the UGC Act, 1956 under the head Non Government Colleges teaching upto Master's Degree.

Yours faithfully,



(Sunita Gulati)
Section Officer

Appendix-I: (2) Applied to UGC for Recognition under 12(B)



**VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI
INSTITUTE OF ENGINEERING & TECHNOLOGY**
(Approved by A.I.C.T.E., New Delhi and Govt. of A.P. & Affiliated to J.N.T.U.)
(All B.Tech. Programmes are accredited by NBA, AICTE, New Delhi)
Vignana Jyothi Nagar, Bachupally, Nizampet (S.O), Hyderabad - 500 090, A.P. India.
Tel : +91-40-23042758, 23042759, 23042760, 230421516(D) Fax: 91-40-23042761
E-mail : postbox@vnrvjiet.ac.in, Website: www.vnrvjiet.ac.in

No. VNR VJiet/UGC 2(f) & 12(B)/PCC/2011/ 1068

Date: 22.11.2011

Ms. Uma Bali
Under Secretary,
University Grants Commission
Bahadurshah Zafar Marg,
New Delhi – 110 002.

Madam,

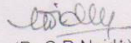
Sub: Inclusion of College under Section 2 (f) & 12 (B) of the
UGC Act 1956 – Request – Regarding.

✓ Ref: Your letter F.No. 8-146/2009(CPP1/c) dated 20 October 2011.

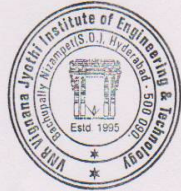
With reference to your letter cited and as directed, we enclose herewith a certificate in original No. F.No. D1/1126/2011, dated 15.11.2011, issued by the Registrar I/c, Jawaharlal Nehru Technological University Hyderabad, Hyderabad, Andhra Pradesh, indicating that our Institute, Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering Technology, Hyderabad, has been granted Permanent Affiliation and also fees charged for various courses by the College are in accordance with the State/University Fee Regulations or as laid down by any law in force.

This is for your kind information and records and to include Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering Technology, Hyderabad, under Section 2(f) and 12(B) of the UGC Act 1956 and to consider providing assistance to our Institute as per the decision of the Commission dated 8th July 2011.

Thanking you,

Yours faithfully,

(Dr. C.D. Naidu)
Principal


Encl: As above.



City Office : Vignana Jyothi, Xavier Bhavan, Plot No. 7, Street No. 16, West Marredpally, Secunderabad - 500 026.
Phone : 27805778, Fax : 040-27805222 E-mail : vignana jyothi@hotmail.com

Appendix –I: (3) Grant of Autonomous Status by JNTUH

Grams: "TECHNOLOGY"
E Mail: pa2registrar@jntuh.ac.in



Phone: Off: +91-40-32422253
Res: +91-40-32517275
Fax: +91-40-23158665

PROCEEDINGS OF THE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
(Established by Andhra Pradesh Ordinance No. 30 of 2008)
Kukatpally, Hyderabad – 500 085, Andhra Pradesh (India)

Procds. No.AAC/Autonomous Status/VNR VJIET-07/2011. Date: 08/08/2011

Sub: JNT University, Hyderabad – Academic Audit Cell – Grant of Autonomous Status to “VNR Vignana Jyothi Institute of Engineering & Technology, Bachupally, (via) Kukatpally, Hyderabad” from the academic year 2011-12 to 2013-14 - Orders Issued.

Read: 1. Letter No: VNRJVJIET/Permanent Affiliation/PCC/2010/1021, dated: 07-12-2010 received from the Principal, VNR Vignana Jyothi Institute of Engineering & Technology, Bachupally, (via) Kukatpally, Hyderabad.
2. Univ.Procds No: AAC/Aff/Inspection-Autonomous Status/2011-12, dated: 07-07-2011.
3. FFC Report dated: 12-07-2011.
4. University Order No: JNTUH/63/2010, dated: 24-07-2010 for Guidelines and eligibility criteria for grant of Autonomous Status.

ORDER:

- The Director, “VNR Vignana Jyothi Institute of Engineering & Technology, Bachupally, (via) Kukatpally, Hyderabad” has submitted an application for grant of Autonomous Status by JNTUH from the Academic Year 2011-12 vide (1) read above. The University has constituted a Fact Finding Committee to examine the proposal for considering the grant of Autonomous Status of the College vide (2) read above. The Fact Finding Committee has visited the college and submitted its report to the University vide (3) read above. Based on the visit and feed back from the faculty, non-teaching staff & students, the Fact Finding Committee has made recommendations for grant of Autonomous Status for the college with effect from the Academic Year 2011-12 for a period of three years.
- The UGC guidelines for conferment of Autonomous Status to the University Affiliated Colleges will be applicable with no financial commitment of the University. If at any stage, the Institution is not able to operate the academic autonomy due to unforeseen problems, it will be reverted back to the Affiliating parent University, JNTUH and henceforth the academic rules and regulations of the Affiliating University will come in force.
- Under the circumstances as stated above, the Vice-Chancellor is pleased to Grant Autonomous Status to “VNR Vignana Jyothi Institute of Engineering & Technology, Bachupally, (via) Kukatpally, Hyderabad” sponsored by “Vignana Jyothi, Sree Ramakrishna Towers, Nagarjuna Nagar, Ameerpet, Hyderabad” to offer UG/PG Degree Courses in the following disciplines with the intake shown against each for **3 years** from the Academic Year 2011-12 to 2013-14. The Autonomous Status is conferred for batches starting from the Academic Year 2011-12, i.e., B.Tech 1/4 and M.Tech 1/2; however all senior batches of B.Tech 2/4, 3/4, 4/4 and M.Tech 2/2 will be governed by JNTUH Academic Regulations. The institution is required to adopt semester system from B.Tech 1st year onwards.

SNo.	Name of the Course	EXISTING INTAKE
1.	B.Tech-Civil Engineering	120
2.	B.Tech-Computer Science & Engineering	120
3.	B.Tech-Information Technology	60
4.	B.Tech-Electrical & Electronics Engineering	60
5.	B.Tech-Electronics & Communication Engineering	120
6.	B.Tech-Electronics & Instrumentation Engineering	120
7.	B.Tech-Mechanical Engineering	120
8.	B.Tech-Automobile Engineering	60
9.	M.Tech-Software Engineering	18
10.	M.Tech - Embedded Systems	18
11.	M.Tech- Highway Engineering	18
12.	M.Tech-Advanced Manufacturing Systems	18
13.	M.Tech-Power Electronics	36
14.	M.Tech-VLSI Systems Design	18
15.	M.Tech-Automation	18
16.	M.Tech-Electronics & Instrumentation	18
17.	M.Tech-Structural Engineering	18
18.	M.Tech-Geo-Technical Engineering	18

Contd..2

Contd...

-- 2 --

The Autonomous Status shall be subject to the following conditions:

1. The Management shall follow the autonomy norms of UGC and the rules of JNT University Hyderabad in all aspects without any financial commitment of JNTUH. The Broad Guidelines are:
 - The composition of following committees shall be as per the UGC Guidelines in addition to one representative each from the University.
 1. Governing Body.
 2. Academic Council.
 3. Board of Studies.
 4. Finance Committee.
 - **Constitution of Board of Studies:**
 - There shall be one expert from each branch from University for UG and PG courses.
 - 80 % of the Syllabi prescribed by the University for Affiliated Colleges shall be retained.
 - **Examination Branch:**
 - Establishment of full-fledged Examination and Evaluation System by appointing Controller of Examinations.
 - **Recruitment of Faculty:**
 - The recruitment of faculty can be done by the Governing Body, maintaining 1 : 15 staff student ratio for UG and 1 : 12 for PG Programmes and AICTE norms for cadre ratio of 1:2:6 is to be adhered.
 - **Other Aspects:**
 - Starting of any new course or increase of existing intake for UG and PG with a prior approval from the University is essential.
 - The University has got the right to visit the institution at any time and depute the Squads during examinations.
 - The University can conduct periodical academic audit to ensure continuation of the normal standards.
 - The University may consider the review of Autonomous Status from time to time.
 - Except for the examination fee, all other statutory fee as per the rules of the University/State Govt. shall be remitted to the University.
2. The appointment of the Principal shall be ratified by the University.
3. The appointment of 50% of faculty members shall be ratified by the University.
4. During the period of Autonomous Status, the college is required to submit annual report along with Application fee, Inspection fee and Affiliation Fees and dues, if any.
5. The University can withdraw the Autonomous Status at any time if the college does not satisfy the standards and norms of UGC/AICTE and the Affiliating University.
6. The Institution is required to adopt semester pattern from B.Tech 1st year onwards.

Note: **The Institution should seek autonomous status from UGC within one year from the issue of JNTUH order.**

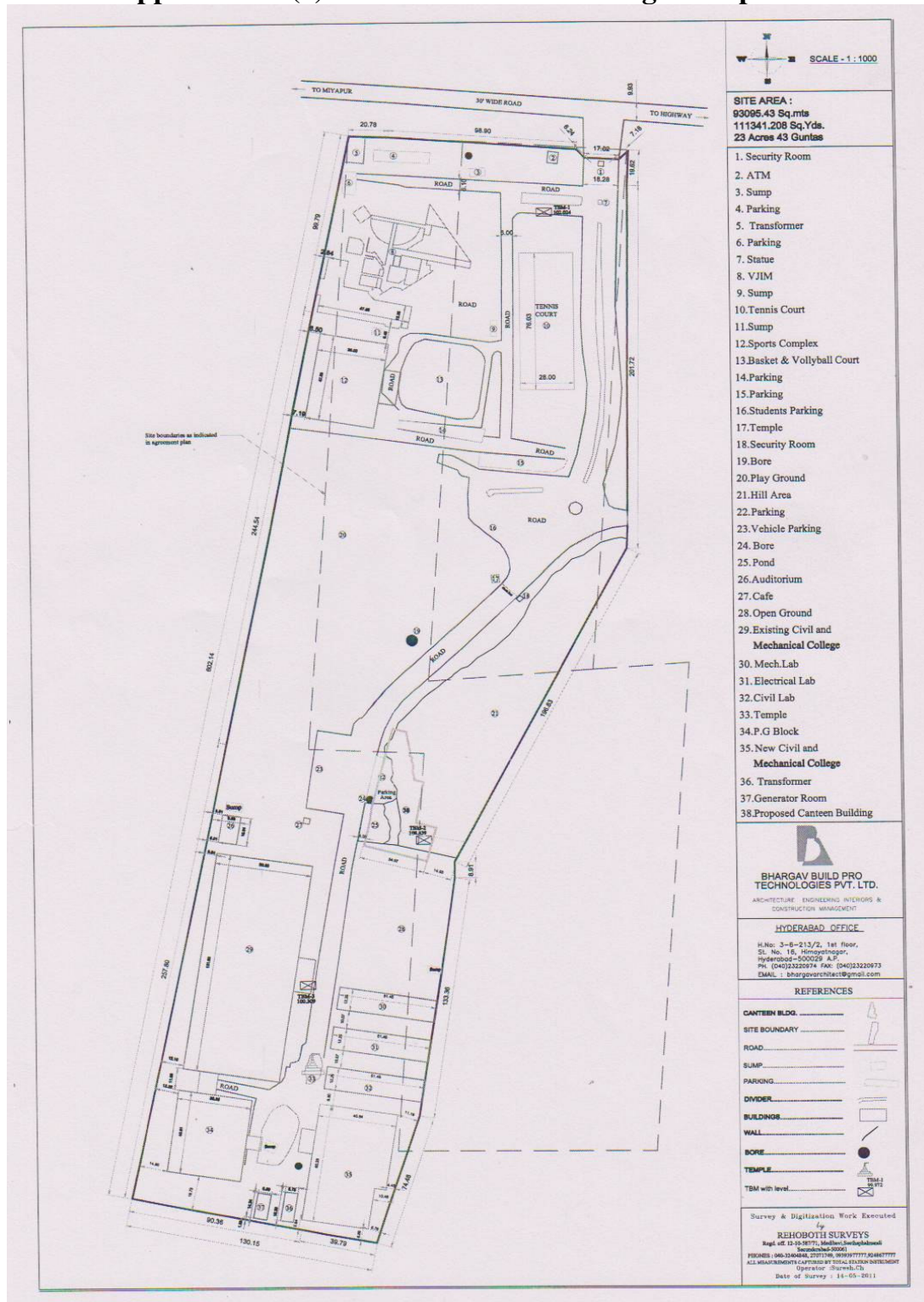
J. Krishan Kumar
REGISTRAR I/c

To
The Director / Principal,
VNR Vignana Jyothi Institute of Engineering & Technology,
Bachupally, (via) Kukatpally,
Hyderabad.

Copy to:

The Chairman/Secretary, Vignana Jyothi, Sree Ramakrishna Towers, Nagarjuna Nagar, Ameerpet, Hyderabad.
The Principal Secretary to Government Higher Education (EC-1) Dept, Govt. of Andhra Pradesh, Secretariat, Hyderabad.
The P.A. to Chairman, Andhra Pradesh State Council of Higher Education, JNTU Old Campus, Masab Tank, Hyderabad-500 028.
The Secretary, A.P. State Council of Higher Education, JNTU Old Campus, Masab Tank, Hyderabad-28.
The Commissioner of Technical Education, BRKR Govt. Office Complex, Hyderabad.
The Member Secretary, All India Council for Technical Education, New Delhi - 110002.
The Regional Officer, South Central Regional Office, AICTE, Masab Tank, Hyderabad - 500 028.
The Asst. Educational Advisor (T), Southern Regional Committee, AICTE, Ministry of Human Resource Development (Dept. of Education), Shastry Bhavan 26, Haddous Road, Chennai-600006.
Copy to the PA to V.C / PA to Rector / PA to Registrar/DE, JNTUH.

Appendix-II: (1) Master Plan of the College Campus



87260 SQ YDS.

BLOCK - A (BTLT.B + 10 FLOORS)
 BLOCK IDEAL... 69'x65 X 10 FLOORS
 = 690' x 650' X 5 = 1350' x 650'

BLOCK - B (BTLT.B + 10 FLOORS)
 BLOCK IDEAL... 69'x65 X 10 FLOORS
 = 690' x 650' X 5 = 1350' x 650'

BLOCK - C (GROUND + 8 FLOORS)
 1000' x 650' CENTER
 1000' x 650' CENTER

SITE AREA = 1000' x 650' OR 1000' x 650'
 ROAD TOTAL LOT 100' OF 1000' = 1000' x 650' = 1000' x 650'
 TOTAL LOT COUNTING = 1000' x 650' = 1000' x 650'
 TOTAL LOT AREA = 1000' x 650' = 1000' x 650'
 TOTAL TOTAL LOT AREA = 1000' x 650' = 1000' x 650'

ALL DIMENSIONS ARE IN FEET	
CLIENT	VIGNAN JYOTI
TITLE	SITE PLAN
DRAWN	D.JAYASIN
DESIGNED	PRIYU SINGH LAKSHY P.S.P.

NORTH

SCALE 1" = 100'

DATE 08-11-2011

DRG NO: **115**

ALT - 1

TOT LOT AREA = 27650 SFT

Appendix-III: Income-Expenditure Statement for 2010-11 & 2009-10
GROUPING SCHEDULES TO EXPENDITURE ITEM (31-3-2011)

Previous Year	Description	Current Year
	SALARIES & BENEFITS	
144,000.00	Job work Charges	63,532.00
60,581,866.00	Salaries -TS	64,091,111.00
75,920.00	Consolidated Pay	-
55,000.00	Incentive for Staff	60,000.00
1,239,712.00	Research Incentives	963,054.00
2,429,970.00	PF Contribution	2,488,720.00
380,250.00	Consultancy Charges	98,000.00
35,000.00	Honorarium	5,000.00
2,312,535.00	Professional Charges	1,778,380.00
7,500.00	Sitting Fees	12,500.00
13,000.00	Visiting Faculty	1,261.00
102,170.00	Guest Lectures	66,620.00
67,376,923.00		69,628,178.00
	NON TEACHING STAFF	
12,261,428.00	Salaries - NTS	13,652,078.00
12,261,428.00		13,652,078.00
	BOOKS AND JOURNALS	
612,203.00	Books & Periodicals	940,649.00
676,129.75	Journals	942,419.50
7,935.00	News Papers & Magazines	7,584.00
516,293.00	Library Books	388,612.00
1,296,267.75		2,279,264.50
	BUILDING DEVELOPMENT	
665,133.00	Building & Electrical Maintenance	419,080.00
197,656.00	Sanitary Maintenance	184,660.00
940,119.00	Institute Maintenance	531,943.00
1,802,908.00		1,135,683.00
	SPENT ON HOSTELS AND OTHER STUDENT EMENITIES	
188,212.00	Academic Calendars	120,120.00
122,304.00	MTP Records	84,430.00
21,990.00	Identity Card Charges	-
55,388.00	Students Project Material Expenses	84,808.00
23,450.00	Student Training Expenses	109,365.00
73,158.00	Students industrial Visits	125,026.00
-	Building Maintenance - Hostel	267,500.00
54,616.00	Electrical Maintenance - Hostel	4,665.00

56,771.00	Electricity Charges - Hostel	187,800.00
217,096.00	Maintenance - Hostel	608,628.00
732,659.00	Mess Charges	2,438,360.00
728,112.00	Rent - Paid	1,344,000.00
249,334.00	Vehicle Hire Charges - Hostel	729,098.00
215,190.00	Watch & Ward - Hostel	404,802.00
411,429.00	Annual Day & Cultural Day Function Exp.	196,085.00
49,650.00	Fresher's Day Expenses	63,550.00
93,984.00	Function Expenses	49,245.00
70,538.00	Ist Year Student Induction Programme Expenses	145,507.00
873,727.00	SLAST-2009Sports Fest Expenses	725,195.00
133,000.00	Awards for Students	132,000.00
7,700.00	Farewell Day Party Expenses	22,500.00
4,378,308.00		7,842,684.00
	SPENT ON MAINTENANCE - ELECTRICITY WATER, TELEPHONES,INFRASTRUCTURE	
2,228,381.00	Electricity Charges	3,065,859.00
964,707.00	Water Charges	429,101.00
-	Electricity Development Charges	150,000.00
3,328.00	Institute Net Work Charges	-
2,164,348.00	Internet Leased Line Charges	2,206,000.00
87,252.00	Postage & Telegrams	100,952.00
221,069.00	Telephone Charges	216,459.50
45,599.00	Web Site Expenses	54,245.00
331,800.00	Garden Maintenance	871,657.00
2,325,098.00	Electrical & Fixtures	566,703.00
8,371,582.00		7,660,976.50
	SPENT ON ACADEMIC ACTIVITIES, LABORATORIES, GREEN HOUSE	
92,688.00	Chemistry Lab Expenses	78,052.00
-	Civil Dept. Assoc. Expenses	14,558.00
26,193.00	Civil Engg. Dept Expenses	-
109,671.00	Civil Engg. Lab Expenses	156,014.00
26,392.00	CSE Department Exp.	2,718.00
4,500.00	C S E Lab Expenses	151,269.00
53,812.00	ECE Dept. Exp.	13,437.00
21,751.00	E C E Lab Expenses	51,911.00
15,713.00	EEE Dept Exp	9,126.00
16,817.00	E E E Lab Expenses	41,535.00
49,481.00	EIE Dept. Exp.	20,175.00

8,315.00	E I E Lab Expenses	97,531.00
2,450.00	English Language Lab Expenses	5,240.00
35,986.00	Examination Cell Expenses	10,067.00
16,669.00	H&S Department Exp.	3,740.00
38,455.00	IT Dept. Expenses	4,066.00
6,500.00	IT Lab Expenses	27,643.00
28,100.00	Library Expenses	29,907.00
56,323.00	ME Engg. Dept. Exp.	1,020.00
94,284.00	ME Engg Lab Expenses	79,839.00
-	Physics Lab Expenses	5,628.00
38,192.00	RCC Expenditure	77,887.00
21,144.00	Registrar Office Expenses	10,916.00
1,124.00	CEED Cell Expenses	-
299,854.00	Convergence - 2010-11 Expenses	520,000.00
-	Entrepreneurship Awareness Camp Expenses	8,277.00
-	ISTE Convention 2010 expenses	105,739.00
	National Conference Expenses - 2010-11	17,825.00
13,640.00	Saarang-2010-11 Expenses	40,440.00
-	Sintillashunz-2010-11 Expenses	891,569.00
295,296.00	Staff Recruitment & Training Expenses	114,543.00
167,629.00	Staff Skills Upgrading & Training	185,603.00
-	Sponsorship fees (XVI National Power System)	30,000.00
-	Workshop Expenses	4,150.00
97,379.00	Training & Placement Expenses	182,667.00
18,600.00	Mementos	11,250.00
731,550.00	Affiliation Fees	761,950.00
52,307.00	Membership Fees	14,859.00
-	N B A Accreditation Processing Fees	1,349,100.00
230,500.00	Application Fee for New Courses	133,000.00
-	Oracle - Annual Membership Fees	-
140,100.00	Processing Fees for Integrated Campus	350,100.00
-	JNTU Ratification Fees	20,000.00
-	New PG Course Approval Fees	100,000.00
265,794.00	Service & Maintenance	483,422.00
5,178,965.00	Data Process Equipment	69,426.00
741,992.00	Audio Visual Equipment	57,000.00
8,998,166.00		6,343,199.00
	SPENT ON RESEARCH,SEMINARS , ETC	
106,512.00	Staff Seminar Participation Expenses	107,617.00

4,558,401.00	Lab & other equipment	4,393,095.00
4,664,913.00		4,500,712.00
	SPENT ON MISCELLANEOUS EXPENSES	
2,573.00	Institute Medical Centre Expenses	19,929.00
144,150.00	Medical Expenses	124,002.00
230,919.00	Welfare Expenses	275,204.00
786,072.00	Printing & Stationery	1,181,255.00
264,967.00	Vehicle Maintenance	204,476.00
3,022,550.00	Vehicle Hire Charges	3,166,226.00
28,774.00	Car Hire Charges	120,248.00
101,332.00	Conveyance Charges	116,159.00
108,097.00	Travelling Expenses	83,996.00
124,023.00	Annual Maintenance Charges	143,809.00
146,611.00	Electrical Maintenance	25,406.00
531,528.00	Generator Maintenance	387,106.00
294,866.00	Repairs & Maintenance	393,813.00
133,278.00	Repairs To Furniture	123,704.00
264,610.00	Sports Development Expenses	128,352.00
796,057.00	Site Development Charges	472,170.00
1,369,551.00	Watch & Ward	1,686,506.00
100,000.00	Cash Awards for Staff Children's	60,000.00
475,126.00	Advertisement Charges	841,481.00
128,056.00	Insurance Charges	135,212.00
2,500.00	Rates & Taxes	2,500.00
	Property Tax	2,702,651.00
28,888.50	Bank Charges	23,023.46
-	Incidental Charges	78,300.00
76,872.00	General Charges	32,780.00
41,636.00	Meeting Expenses	64,289.00
429,200.00	Tuition Fee Waived	-
326,026.00	PF Admin. Charges	333,884.00
2,800.00	University fees & Technical Society Fees Waived	-
314,756.00	Polytechnic Expenses	2,416,519.00
25,287,276.03	Depreciation	22,217,880.29
851,547.00	Software Expenses	715,955.00
32,500.00	Legal Charges	5,000.00
36,447,141.53		38,281,835.75
145,597,637.28		151,324,610.75

Appendix-IV: Audited Statement of Accounts for the A.Y 2010-11

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
BACHUPALLY (VIA) KUKATPALLY, HYDERABAD

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2011

Previous Year	Description	Current Year	Previous Year	Description	Current Year
Rs.		Rs.	Rs.		Rs.
74,644,264	Salaries & Benefits	80,962,330	109,743,000	Course Fees	136,605,700
2,429,970	P.F. Contribution	2,488,720	3,237,300	Admission & Other Fees	5,812,050
-	Gratuity	5,447,359	1,262,521	Exam & Other Fees	3,096,721
2,882,955	Professional Charges	2,198,690	172,679	Sale of Applications...	341,436
377,642	Welfare Expenses	419,135	677,300	Transport Collections	645,100
728,112	Hostel Rent	1,344,000	321,077	Other Collections	815,299
1,118,578	Printing & Stationery	1,385,805	1,649,250	Hostel Collections	5,798,300
264,967	Vehicle Maintenance	204,476	117,063,127		153,114,606
3,300,658	Vehicle Hire Charges	4,015,572	459,094	Interest Earned	757,841
209,429	Travelling & Conveyance	200,155	364,886	Misc. Income	883,820
2,521,596	Communication Expenses	2,577,657	1,239,712	Research & Consultancy Fees	963,054
3,249,859	Electricity & Water Charges	3,832,760		Balances Written Back	4,980,903
1,802,908	Repairs to Buildings	1,330,683	13,666,362	Excess of expenditure over Income	-
2,831,891	Repairs to Other Assets	2,787,078			
-	Prior period Expenses-Hostel	72,500			
1,584,741	Watch & Ward	2,091,308			
331,800	Garden Maintenance	871,657			
851,547	Software Expenses	715,955			
764,560	Dept. Lab & Other Expenses	930,240			
1,296,268	Books & Periodicals	1,890,653			
1,640,028	Function Expenses	1,334,082			
100,000	Cash Awards	60,000			
475,126	Advertisement Charges	841,481			
1,883,565	Seminar & Training Expenses	4,947,239			
1,179,457	Affiliation & Membership Fees	2,959,009			
128,056	Insurance	135,212			
2,500	Rates & Taxes	2,705,151			
905,422	General Charges	532,276			
-	Balances Written off	955,000			
25,287,276	Depreciation	22,217,880			
	Excess of Income over expenditure	152,454,063			
132,793,181	TOTAL INCOME	160,700,224	132,793,181	TOTAL	160,700,224

For VIGNANA JYOTHI
General Secretary
Vignana Jyothi Institute of Engineering & Technology
Bachupally Nizampet (S.O.),
Hyderabad - 500 090

Contd...

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
BACHUPALLY (VIA) KUKATPALLY, HYDERABAD - 500 090

SCHEDULE FOR FIXED ASSETS FOR THE YEAR 2010-11

S.No	Description	Gross Block		Depreciation		Total		Net Block		Rate of Dep.
		As at 31.3.10	As at 31.3.11	Up To 31.3.10	For the Year	31.3.11	31.3.11	As at 31.3.11	as at 31.3.10	
1	Land	2,277,164.50	2,277,164.50	-	-	-	-	2,277,164.50	2,277,164.50	-
2	Roads	3,378,034.44	3,378,034.44	1,782,152.79	159,588.19	1,941,740.98	1,941,740.98	1,436,293.46	1,595,881.65	10
3	Buildings	141,550,773.16	243,273.00	141,794,046.16	6,776,051.54	80,809,492.52	80,809,492.52	60,984,553.64	67,517,342.18	10
4	Borewells	-	470,973.00	470,973.00	47,097.30	47,097.30	47,097.30	423,875.70	-	10
5	Sheds	4,178,610.16	-	4,178,610.16	3,592,323.55	58,628.67	3,650,952.22	527,657.94	596,286.61	10
6	Furniture & Fixtures	28,284,019.62	1,198,446.00	1,388,674.00	1,738,262.51	14,008,331.08	14,008,331.08	15,644,362.54	16,013,951.05	10
7	Vehicles	1,950.00	566,703.00	1,950.00	1,438.82	239,791.44	239,791.44	959,165.74	511.18	20
8	Electrical Fittings & Fittings	15,300,201.80	-	15,300,201.80	1,707,065.72	11,860,510.39	11,860,510.39	3,986,394.41	4,748,489.54	25
9	Generator	2,940,914.00	-	2,940,914.00	308,462.07	2,015,527.79	2,015,527.79	925,396.21	1,233,848.28	25
10	DATA Processing equipment	52,177,238.00	69,426.00	52,246,664.00	38,287,653.11	41,777,405.83	41,777,405.83	10,469,258.17	13,889,594.89	25
11	Lab & Other Equipment	65,025,365.34	4,393,095.00	69,418,460.34	5,440,876.43	53,095,830.96	53,095,830.96	16,322,629.38	17,370,410.64	25
12	Library Books	4,457,398.59	388,612.00	4,846,010.59	3,194,579.50	412,857.83	3,607,437.33	1,238,573.26	1,262,819.26	25
13	Air Conditioners	3,141,611.00	28,676.00	3,170,287.00	2,214,730.41	238,889.15	2,453,619.56	716,667.44	926,880.59	25
14	Audio Video Equipment	5,375,971.82	57,000.00	5,432,971.82	3,312,569.92	3,842,670.40	3,842,670.40	1,590,301.42	2,063,401.90	25
15	Digital Library	248,800.00	-	248,800.00	143,837.50	26,240.63	170,078.13	78,721.87	104,962.50	25
16	Institute Net Working	9,967,550.00	-	9,967,550.00	4,277,657.19	5,700,130.39	5,700,130.39	4,267,419.61	5,689,892.81	25
17	Temporary Sheds	240,699.00	-	240,699.00	1,422,473.20	240,699.00	240,699.00	-	-	100
	Work-in-Progress	9,475,951.00	48,265,105.00	-	-	-	-	121,848,425.29	135,281,427.58	-
	Mobilization advance-P.P.Raju	348,022,252.43	57,049,983.00	405,072,235.43	203,264,873.85	22,217,880.29	225,482,754.14	183,846,605.29	135,281,427.58	-
								4,257,124.00	-	-
								183,846,605.29	135,281,427.58	-

For M.S. RAO & CO.
Chartered Accountants



VIGNANA JYOTHI
General Secretary

P. GOVINDHAN REDDY
M-NO 29193.

Administrative Officer
VNR Vignana Jyothi Institute of
Engineering & Technology
Bachupally (via) Kukatpally,
Hyderabad - 500 090.

VNR Vignana Jyothi Institute of
Engineering & Technology
Bachupally Nizampet (S.O.),
Hyderabad - 500 090.

Contd...

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
BACHUPALLY (VIA) KUKATPALLY, HYDERABAD

STATEMENT OF AFFAIRS AS AT 31-03-2011

As at 31-03-10	LIABILITIES	As at 31-03-11	As at 31-03-10	ASSETS	As at 31-03-11
Rs		Rs	Rs	fixed Assets	Rs
135,227,553	Vignana Jyothi	176,470,489	135,281,428	As per Schedule	121,848,425
5,557,000	Grants	5,557,000			
	Received during the Year	700,000			
30,681,500	Development Fund	30,681,500	14,475,951	Capital Work-in-Progress	61,998,180
	Current Liabilities			Current assets	
9,042,823	Creditors for Purchase and Expenses	6,788,846	94,197	Cash in Hand	97,656
8,213,624	Other Finances	5,895,959		Balances with Scheduled Banks	
1,571,550	Fees Received in Advance	3,104,000	2,467,664	Fixed Deposits	2,530,629
3,880,270	Caution Deposit Refundable	2,861,000	16,800,521	Current/USB Accounts	17,030,655
	Excess of Income Over Expenditure as per		97,515	Stock of books & Software Kits	72,280
	Statement of Affairs as at 31-3-10			Loans & Advances	
4,614,160	for the year	4,614,160	114,883	Interest Accrued	245,126
		8,246,161	401,304	Deposits Recoverable	501,304
			1,330,859	Advances for purchases	3,449,377
			21,597,900	Fees Receivable	32,709,829
			3,145,833	Other Receivable	3,397,511
			2,980,426	Pre-Paid Expenses	1,038,143
			198,788,480	TOTAL	244,919,115
198,788,480	TOTAL	244,919,115			

for K.S. RAO & CO.
Chartered Accountants



for VIGNANA JYOTHI
General Secretary

Hyderabad
13-08-2011.
P. Srinivasan Reddy
M NO 29193.

Administrative Officer
VNR Vignana Jyothi Institute of
Engineering & Technology
Bachupally (via) Kukatpally,
Hyderabad - 500 090.

Principal
Vignana Jyothi Institute
Engineering & Technology
Bachupally (via) Kukatpally (S.O.),
Hyderabad - 500 090.

Appendix-V: Peered Reviewed Journals – Department-wise**Civil Engineering Department:**

1. Malleswara Rao, B.N., Umamahesh, N.V., and Thimma Reddy G., (2005) GIS Based Soil Erosion Modeling for Conservation Planning of Watersheds, *ISH (The Indian Society for Hydraulics) Journal*, 11(3).
2. B.D.V. Chandra Mohan Rao and N.V. Ramana Rao. (2009), Analysis & Structural shape Optimization of Cylindrical Shells; *International Journal on Mechanical & Automobile Engineering*, Vol.2, No.2, Nov'2008 – Jan'2009, pp. 47-58.
3. B.D.V. Chandra Mohan Rao and N.V. Ramana Rao. (2010), Analysis and Optimization of Spherical Shells with Strain energy & Stress leveling index as objectives; *Journal of Structural Engineering (SERC)*, Vol.37, No.2, Jun-Jul'2010, pp. 101-109.
4. B.D.V. Chandra Mohan Rao and N.V. Ramana Rao. (2010), Analysis and Optimization of Box Girder Bridges with Strain energy minimization as objective; *The IUP Journal of Structural Engineering*, Vol.III, No.4, Oct'2010, pp.26-36.
5. B.D.V. Chandra Mohan Rao and N.V. Ramana Rao. (2011), Analysis and Optimization of Cylindrical Shells with Strain energy & Stress leveling index as objective functions; *Journal of Structural Engineering (SERC)*, Vol.37, No.5, Dec'2010-Jan'2011, pp. 313-321.
6. A.Mallika, Dr.N.V.R.Rao," Thickness Optimization of vibrating shells for minimum volume", *Journal of Civil and Structural engineering*, ISSN 0976 – 4399, Vol.1, No 2, 2010,pp.211-220
7. A.Mallika, Dr.N.V.R.Rao," Optimization of Vibrating Concrete Shell Structures", *International Journal of Earth Sciences and Engineering*, ISSN 0974-5904, Vol. 04, No. 01, 2011, pp.178-188
8. A.Mallika, Dr.N.V.R.Rao, "Topology Optimization of Cylindrical Shells for Various Support Conditions ", *Journal of Civil and Structural engineering* , ISSN 0976 – 4399 ,Vol.1,No.4,2011,pp.805-814

Mechanical Engineering Department:

1. Paruchuru S.P., Wang X., Dong X., (2010) Finite Element Simulation of Nanoindentation Tests for Cortical Bone Using a Damage Plastic Model, *Strength, Fracture and Complexity*, 6(3), pp. 83-89. Impact Factor: 0.23.
2. Paruchuru S.P. and Jain A., (2009) Normalized Specimen Thickness Requirements of a Compact Sandwich Test for Measuring Fracture Toughness of Bone; *Journal of Applied BioMaterials and BioMechanics*, 7(1), pp. 43-50. Impact Factor: 0.944.
3. Paruchuru S.P. and Wang, X., (2009) Finite Element Simulation of a Nano-scratch Test of Bone, *Journal of Mechanics in Medicine and Biology*, 9(3). pp. 427-435. Impact Factor: 0.493.
4. Paruchuru S.P., Wang X., Agrawal C.M., (2007) Use of Compact Sandwich Specimen to Determine the Critical Strain Energy Release Rate of Bone, *BioMedical Materials and Engineering*, 17(4), pp. 249-253. Impact Factor: 1.026.

5. Paruchuru S.P., Jain A., Wang X., (2007) Size Requirements of Compact Sandwich Specimen for Testing of Bone, *Journal of Mechanics in Medicine and Biology*, 7(4), pp. 419-431. Impact Factor: 0.493.
6. Paruchuru S.P., and Jain A., (2007), Finite Element Modeling and Experimental Validation of Computational Procedures for a Fracture Mechanics Based Bone Test Method, *Trends in Biomaterials and Artificial Organs*, 21(1), pp. 1-7. Impact Factor: 0.4.
7. Paruchuru S.P., Rao K.M., Wang X., Agrawal C.M., (2004) Validity of the Direct Relation between the Fracture Mechanics Parameters, K and G, in the case of Bone, *Journal of Mechanics in Medicine and Biology*, 4(3) pp. 321 - 331. Impact Factor: 0.493.
8. Paruchuru S.P., (2004) Recent Development in Specimens for Fracture Toughness Testing of Bone, *Trends in Biomaterials and Artificial Organs*, 18(1), pp. 60-63. Impact Factor: 0.4.
9. Paruchuru S.P., Wang X., Agrawal C.M., (2002) Finite Element Simulation of Elastic Compliance Technique for Formulating a Test Method to Determine the Fracture Toughness of Bone, *Journal of Mechanics in Medicine and Biology*, 2(3&4), pp. 473-486. Impact Factor: 0.493.
10. Dr. B.V.R. Ravi Kumar and Dr. J.S. Soni, "Microstructural Studies of welding of 65032 Aluminum Alloy and 15 CDV 6 Alloy Steel weldments using Pulsed and Non-Pulsed Current GTAW", published in Spring Edition 2009, *International Journal on Mechanical and Automobile Engineering (IJMAE)*, Nov 2008-Jan 2009, Vol. 01, No.1, pp. 92-116.
11. Dr. B.V.R. Ravi Kumar and Dr. J.S. Soni, " Microstructure and Properties of Welded 15 CDV 6 Alloy Steel" published in *The Icfai Journal of Science and Technology*, June 2009, Vol. 5, pp. 7-25
12. B.V.R. Ravi Kumar and Dr. J.S. Soni, "Microstructure and Properties of Welded 65032 Aluminum Alloy" *Journal of Indian Welding Society*, Weld 5, Bead 3, March 2008, pp. 37 – 50.
13. B.V.R. Ravi Kumar and Dr. J.S. Soni, "A comparative study of Welding Characteristics of Aluminum Alloy (65032) and Alloy Steel (15 CDV 6) using Pulsed and Non-Pulsed Current GTAW", *Journal of Aerospace Quality and Reliability*, Vol. 2, No. 1, January 2006, pp. 33 -59.
14. B.V.R. Ravi Kumar and Dr. J.S. Soni, "Microstructure Study of Weldments of 15 CDV6 Alloy Steel using Pulsed and Non – Pulsed Current GTAW", *Journal of Indian Welding Society*, Weld 3, Bead 2, March 2006, pp. 33 – 40.
15. B.V.R. Ravi Kumar and Dr. J.S. Soni, "Comparative Study of Welding Characteristics of 15
16. CDV 6 Alloy Steel using GTAW", *Journal of Aerospace Quality and Reliability*, Vol. 2, No. 2, July 2006, pp. 55 -65.
17. P. C. Upadhyay, G. Srinivasa Gupta, and D. W. Lyons (1999), "Plastic Deformation of Fiber Coating in Polymer Matrix Composites under Hygrothermal Loading", *Journal of Reinforced Plastics and Composites*, 18, pp. 985-1010
18. G. Srinivasa Gupta, G. Vamsi Madhav, A. Pandey, B. Nageswara Sarma, and S. Lele, (2005) Estimation Of Ce–Cvm Energy Parameters From Miscibility Gap Data, *Bulletin of Materials Science*, 28 (2), pp. 173-177.

19. M.V.R.D. Prasad, G. Rangajanardhana and D. Hanumantha Rao, (2009) Experimental Investigation To Study The Influence Process Parameters In Dry Machining, **ARPN Journal of Engineering and Applied Sciences**, 4(3), pp. 91-94
20. M.V.R.D. Prasad, G. Rangajanardhana and D. Hanumantha Rao, (2009) Analysis Of Cutting Parameters In Dry Machining Of Hardened Steel With Cermet Tool, *International Journal on Mechanical & Automobile Engineering*, 2(2), pp. 07-13.
21. M.V.R.D. Prasad, G. Rangajanardhana and N.N. Ramesh, (2008) Analysis Of Surface Modification Through Pcbn Cutting Tool – By Dry Machining, *Manufacturing Technology Today*, 7, pp.15
22. M.V.R.D. Prasad; Dr.G.Ranga Janardhana; “Influence Of Process Parameters On Surface Residual Stress In Dry Machining Of Hardened Steel (En31) With Cermet Cutting Tool- Ann Approach”; *Journal of Manufacturing Engineering*, Vol. 5, ISSUE 2 June 2010, pp.143-146.
23. M.V.R.D. Prasad; Dr.G.Ranga Janardhana., “The influence of process parameters on surface roughness in dry machining of hardened steel En31 with CBN cutting tool –by ANN”; *International Journal of Applied Engineering Research*, Volume 5, Number 12 [2010] pp.2059-2068.
24. M.V.R.D. Prasad; Dr.G.Ranga Janardhana., “Study The Effect Of Cutting Conditions On Micro Hardness In Dry Machining Of Hardened Steel En31 With Cbn Cutting Tool –By Ann Technique”, *Journal of Engineering and Technology*, Volume 8, No. 1, 2010, pp.13-22.
25. M.V.R.D. Prasad; Dr.G.Ranga Janardhana., “Effect Of Input Parameters On Residual Stress In Dry Machining Of Hardened Steel [En31] With Cbn Tool – Coactive Neuro – Fuzzy Interface System Approach”; Feb – April’11 issue of i-manager’s *Journal of Mechanical Engineering*, Vol.1, No.2, February – April 2011, pp.42-46.
26. T. Srinivasa Rao, S.Srinivasa Rao, K. Madhu Murthy., (2009) Effect of Submergence and Air flow Rate On The Performance of Air Lift Pump- An Experimental Investigation; *International Journal on Mechanical & Automobile Engineering*.
27. B.Satyanarayana, G Ranga Janardhana , D Hanumantha Rao “Experimental Investigations on Turning of Inconel 718”, *International Journal on Mechanical & Automobile Engineering (IJMAE)* ISSN 0974 –231x, Vol 11. No 1 pp18-25
28. B.Satyanarayana, G Ranga Janardhana , D Hanumantha Rao “Multi-Response Optimization Of Inconel 718 High Speed Turning Using Taguchi Method Based Grey Relational Analysis”, *Journal on Manufacturing Technology Today*, CMTI, Bangalore in press (July issue).
29. B.Satyanarayana, G Ashok Kumar “A Review Of Developments Towards The Machinability Characteristics of Inconel 718 Alloy” National conference on advances in Mechanical Engineering (NCAME-2010), held on 18th January’ 2011 organized by Department of Mechanical Engineering, PVP Siddhartha Institute of Technology, Vizayawada, AP, India.
30. M. Venkata Ramana, K.Srinivasulu, Dr. G.Krishna Mohan Rao and Dr. D. Hanumantha Rao, Performance Evaluation and Selection of Optimal Cutting Conditions in Turning of Ti-6Al-4V Alloy under Different Cooling Conditions, *International Journal of Innovative Technology & Creative Engineering* (Issn:2045-8711), Vol.1 No.5 May 2011, pp 10-21

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32. Dr.A.Satyadevi, V Anandkumar (2009)“Finite Element Analysis of Composite Plates with Multi-Pin Joints” Engineering Today Journal of Technological world (ISSN 0974-8377)Vol-9, Issue-10, Pages 88-92.

Electrical and Electronics Engineering Department

1. Co-Author, (2009) Restructuring in Distribution for line Outage Contingency, *Electric Power Systems Research*.
2. Poonam Upadhyay, Amarnath J. and Sinh B.P., (2007) *Parametric variation due to metallic contamination in SF6/N2 gas insulated bus duct*, *International Journal of Current Sciences*, 10(2), pp 85-90.
3. Poonam Upadhyay, and Amarnath J., (2007), Determination of particle trajectories in a gas insulated line using SF6/N2 gas mixture, *National Journal of Engineering Today*, 9, pp 36-39.
4. “Performance Analysis of Matrix Converter with Variable Voltage, Variable Frequency without DC Stage in International Journal of Computer Applications (“IJCA”) , Vol-I, No.2, April-2010, Page:2-22.
5. K.Sandhya, Dr.A. Jaya Laxmi, Dr.M.P.Soni, “Mitigation of Voltage Sag/Swell Using DVR” National Conference conducted by Federal Institute of Science and Technology (FISAT 2010), held at Ernakulam, Kerala, India on 20 & 21 May 2010 Pg. No. 40-45.
6. K.Sandhya, Dr.A. Jaya Laxmi, Dr.M. P. Soni, “Impact of DVR on the Dynamic
 - a. Performance of Distribution System” Proceedings of National conference -CPEDS
 - b. 2010, 30th & 31st May 2010, pg 141-145, Andhra University, Visakhapatnam, AP.
7. Sandhya, Dr.A. Jaya Laxmi, Dr.M. P. Soni, “ Power Quality improvement in Distribution system using DSTATCOM” Proceedings of National conference Power Systems Today (PST 2010), 29th & 30th June 2010, pg 74-80, Andhra University, Visakhapatnam, AP.
8. K.Sandhya, Dr.A. Jaya Laxmi Dr.M. P. Soni, “Direct and Indirect Control Strategies of Dynamic Voltage Restorer”, International Conference on Control, Communication and Power Engineering – CCPE 2010 July 28-29, 2010 at Chennai, India, Page 281-285 organized by the Association of Computer Electronics and Electrical Engineers (ACEEE)
9. K.Sandhya , A. Jaya Laxmi, M. P. Soni, “Impact Of DSTATCOM And DVR In Distribution System”, International Conference On Electrical Power And Energy Systems (ICEPES – 2010) , pg 325-331, 26-28 August 2010, Maulana Azad National Institute of Technology (MNIT), Bhopal.
10. K.Sandhya , A. Jaya Laxmi, M. P. Soni "POWER QUALITY ENHANCEMENT IN DISTRIBUTION SYSTEMS USING DYNAMIC VOLTAGE RESTORER", INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING AND ELECTRICAL SYSTEMS (IJEEES), PP[28-35], Volume 04, Issue No 01, WINTER EDITION 2010.

11. Nireekshana T (2008) A Novel Method for line-load Eliviation in Deregulated Power Systems, *I-Manager's Journal of Electrical Engineering*, 1(3) pp. 13-18
12. Nireekshana T (2011) Modeling and Control Design of Unified Power Flow Controller for Various Control Strategies, *International Journal of Engineering Science and Technology*, Vol. 2(11), 2010, pg: 6293-6307
13. Nireekshana T (2011) Probabilistic Locational Marginal Pricing in Deregulated Power System, *International Journal of Engineering and Techno science*, Vol 2(3), pp. 241-245
14. Naveen Kumar G., Suryakalavathi M., and Ravindranath Reddy B, (2009) Eigen Value Techniques for Small Signal Stability Analysis in Power System Stability, *Journal of Theoretical and Applied Information Technology*, 6(2), pp. 181-193.
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16. Kiran Seelam, Surender Kumar Yellagoud, Veeranjanyulu Puppala, An improved evaluation method for Available Transfer capability by Incorporating the Reactive power flows , *IJEST*, Vol 2 (12), 2010, 7572- 7578, Singapore .
17. J.SRINIVASA RAO, B.V.Sanker ram, Adaptive filter modeling for vector controlled induction machine for robust inverter design., *IJMRAE*, Volume .2, no -111.october, 2010, Pune.

Electronics and Communication Engineering Department:

- 1) Arun K. Pujari, C. Dhanunjaya Naidu, M. Sreenivasa Rao and B.C. Jinaga, (2004) An Intelligent Character Recognizer for Telugu Scripts Using MultiResolution analysis and Associative Memory, *Journal of Image, Vision Computing*, 22(14), pp. 1221 to 1227.
- 2) P.Srihari , B.C.Jinaga – *Data Inverting Codes – A Single error correcting coding*
 - i. *Scheme* – Journal of Current Sciences, volume VII, Number – 1, 2005,p.No.25-p.No.31.
- 3) P.Sri Hari, B.C.Jinaga-"Design of (2k-1,k) Systematic Double Error correcting codes"-International Journal of Computer Applications in Engineering, Technology and Sciences,Volume2;Issue2,April-10 to Sept.10,Pages:13-16.
- 4) Y. Padmasai, K.SubbaRao, C. Raghavendra Rao, S. Sita Jayalakshmi and M.D.Koteswar Rao, (2008) *EEG Analysis using Chi Square Association metric*, IETE Journal of Research, 54(1), pp73-80.
- 5) Y. Padmasai, K. SubbaRao, C. Raghavendra Rao and S.Sita Jayalakshmi, (2008) Detection of Epileptic Seizures using Wavelet Transform", *International Journal of Biomedical Engineering and Consumer Health Informatics*, 1(1), pp. 15-22.
- 6) Y. Padmasai, K. SubbaRao, C. Raghavendra Rao and S. Sita Jayalakshmi, Gamma Frequency Range Based EEG Analysis for Epilepsy Detection, *International Journal of Medical Engineering and Informatics*, Vol. 2, No. 1, 2010, pp 15-25
- 7) Y.Padma Sai, K.Subba Rao, C.Raghavendra Rao and S.Sita Jayalakshmi and G.Janardhan, "DSP Implementation of EEG Analysis Using Discrete Wavelet

- Transform”, International Journal of computational Intelligence and Healthcare Informatics, vol. 2, No. 2, July-December 2009, pp. 145-151.
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 - 9) L.V.Rajani Kumari, Y.Padmasai and N.Balaji, “Intelligent Infrared Target for Training Commandos to Combat Urban Terrorism” submitted to International journal of World Academy of Science, Engineering and Technology.
 - 10) Padmaja Vangala, Dr. E.G. Rajan and Dr. I.V. Muralikrishna,”Soft techniques for image classifications”, Geospatial Today, February 2008, Vol 6 ,issue 12, pp. 17-21.
 - 11) Padmaja Vangala, Dr. Ch. D. V. Paradesi Rao, Dr. I.V. Muralikrishna,”A Brief Assessment of Image Classifications Techniques”, International Journal of Scientific Computing ,Jan-June 2008, Vol 2 , No. 1,pp.1-5
 - 12) L. Padma sree, J. Anand Chandulal, M. Sreenivasa Rao “Intrusion Detection Using Dynamic Neural networks”, International conference on Current Trends of Information Technology , Dept. of Information Technology, S.R.K.R Engineering College, Bhimavaram, Andhra Pradesh , INDIA, pp 193-196, 1-3 Oct 2005.
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 - 14) J. Anand Chandulal, L. Padma sree, Lakshmi Hari, M. Sreenivasa Rao, “ Vendor Management in Digital Libraries” , GITAM Journal of management, India.
 - 15) L. Padma sree, M. Sreenivasa Rao, “ Anomaly Detection Using Signature File Method And Temporal Relations” , Indian Journal of Current Sciences Vol. 10, No. 2, pp 461-467, 2007.
 - 16) L. Padma sree, N.Madhu Sudhan Reddy, M. Sreenivasa Rao `` Host Intrusion Prevention System Using Signature File Method ", IEEE International Advance Computing Conference, Patiala, Mar 6-7, 2009.
 - 17) L. Padma sree, M. Sreenivasa Rao, “Minimized Damage Cost Approach For Host Based Intrusion Detection”, International Conference on Electronic Design and Signal Processing, ICEDSP-09, MIT, Manipal, Dec 10-12, 2009.
 - 18) N.Balaji and K.Subba Rao, “Real Time Generation of the Quinquenary Pulse Compression Sequence using FPGA,” WSEAS Transactions on Signal Processing, USA, Issue 5, Volume 4, May 2008, page No.300-309.
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 - 20) N.Balaji and K.Subba Rao, "VLSI Implementation of Four phase pulse compression Sequences”, International Journal of Recent Trends in Engineering , FINLAND Vol. 1, No. 3, May 2009, page No. 311-315.
 - 21) N.Balaji and K.Subba Rao, “A Real time Signal processing solution for the Binary Pulse Compression Sequences with Good Merit Factor values”, in

- International Journal Acta Electrotechnica , Technical University of Cluj-Napoca, Romania, Vol. 50, No. 1, 2009, page No.18-24.
- 22) N.Balaji and K.Subba Rao, "A Real time Signal processing solution for the Binary Pulse Compression Sequences with Good Discrimination Factor", in International Journal of Recent Trends in Engineering, Finland Vol. 2, No. 6, November 2009, page No.177-181.
 - 23) N.Balaji, and K.Subba Rao, "VLSI Based Real-Time Signal processing Solution employing four phase codes for Spread Spectrum Applications", Accepted for IETE Journal of Research.
 - 24) "Design and Development of an Embedded Smart Car Security and Theft Control System" in ICMAC-2010

Computer Science and Engineering Department:

1. C.Kiran Mai et al., "An Impudent Approach for Intelligent Data Mining using Rough
2. Set Theory" published in International Journal of Software Engineering. Volume 2,
3. Number 1 (2011), pp. 1-10
4. C.Kiran Mai et al., "Hypothetical Description for Intelligent Data Mining "published in **International Journal on Computer Science and Engineering, vol 2, Issue 7, Oct 2010.**
5. C.Kiran Mai et al., "Drag and Drop: Influences on the Design of Reusable Software Components "published in **International Journal on Computer Science and Engineering, vol 2, Issue 7, Oct 2010, 2386 - 2393**
6. *C.Kiran Mai et al* "Breaking Boundaries for Software Component Reuse Technology", published in International Journal of Computer Science and Network Security, Oct 2010.
7. *C.Kiran Mai et al* "The Feasibility Study for Land Suitability Using GIS Tools", published in International Journal on Environment, Cultural, Economic & Social sustainability, University of Technology, Mauritius, July, 2009.
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9. *C.Kiran Mai et al* "A Comparative study of Manual and Automated System for Wireless Networks", International Journal of Systems & Technologies (IJST)-2010[awaiting approval]
10. *C.Kiran Mai et al* " Trees that decide on criminals-Spatial Data Mining for Crime Analysis", published in Journal of Geospatial Today, July 2006 Vol4.
11. *C.Kiran Mai et al* "Implementation of Decision Tree Algorithm for Spatial Data Mining", Technology Spectrum, a multi disciplinary Journal of JNTUH, Vol.1.No.2 July 2007.
12. G.Sathya and G. Ramesh Chandra (2009), Real Time Machine Vision Based Robot; International Journal on Systemics, Cybernetics and Informatics, Jan 09 issue, pp. 61-70.
13. G. Ramesh Chandra and E.G. Rajan , Improving The Performance Of Volume Rendering For Medical Images; International Journal on Advances In Soft Computing Technology(Accepted for publication- to be published in June Issue)

14. Paper on “The Feasibility Study on Land Suitability Using GIS Tool” published in International Journal of Environmental Cultural Economic & Social Sustainability “2009In Vol. 5 , Issue 6.
15. “A COMPARATIVE STUDY ON MANUAL AND AUTOMATED SYSTEM FOR WIRELESS NETWORKS” published in Journal of Theoretical and Applied Information Technology.
16. “STUDY ON PEER RELATIVE MARKET STRENGTH EXTRACTION “.Srinivasa Reddy, P.Harikrishna, N.Rajasekhar, Dr.C.Kiranmai, Research Journal of Computer Systems and Engineering - **RJCSE** (ISSN: 2230-8563; e-ISSN: 2230-8571)
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2. Visual Meteoric Activity over Waltair during Oct-Feb. 1961-72, Curr.Sci., 43, 647, 1974.
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4. Study of Meteors during Dec. 1974 by Forward Scatter of VHF Radio Signals between Dehra Dun & Waltair, Ind. J. Radio & Space Phy., 5, 103, 1976.
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6. The effect of D-Region Absorption on the Forward Scatter Radio Meteor Amplitude Distribution Index. J. Atmos. Terr. Phys., 40, 571, 1978
7. Rigorous Method of Normalization & Analysis of Visual Meteor Data. Ind.J. Radio & Space Phy., 7, 229, 1978.
8. The types of Meteor Echoes and Meteor Rates Observed by VHF forward Scatter. Ind.J. Radio & Space Phy., 8, 6, 1979.
9. The Role of Electro negativities in the Calculation of Diatomic Molecular Parameters of Transition metal Halides. Ind.J. Theo. Phy., 80, 325, 1982
10. Survey of Meteor Signal Rates Observed over a VHF Forward Scatter Link Between Waltair & Dehra Dun. Ind. J. Radio & Space Phy., 12, 50, 1983.
11. Electronegativities in the Calculation of Diatomic Molecular Parameters of Hydrides of some Transition Elements. J. Quan. Spect. Rad. Trans 29, 85, 1983
12. The Role of Electronegativities in the Calculation of Diatomic Molecular Parameters of Oxides of some Transition Elements. Acta. Chim. Hung., 113(1), 35, 1983.
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14. Microprocessor based serial I/O Communication interface using SOD line of 8085 Microprocessor. J. Inst. Soc. of India, 22, 162, 1992.
15. Microcontroller based Experiments. J.Phys. Edn., 14, 159, 1997

16. Interfacing of Analog-to-Digital and Digital-to-Analog converters with Microcontroller. J. Phys. Edn. (In Press).
17. Computer based pH measurement. J. Inst. Soc. of India 27, 166, 1997
18. Computer based Device Characteristics and Circuit Design. J. Inst. Soc. of India (Accepted for Publication)

Information Technology Department:

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2. Mangathayaru N, Allam Appa Rao(2008) "Bioinformatics analysis of Functional proteins involved in Obesity Associated with Diabetes", *Int J Biomed Sci vol. 4 no. 1, pp 70-73*, March, 2008, *International Journal of Biomedical Sciences*
3. Mangathayaru N, Allam Appa Rao ,Amit kumar(2010), "Insilico Methodology –Resistin involved in Diabetesity" , Internet Journal of Bioengineering,ISSn:1937-8246,vol. 4,no. 2,2010
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8. G.Madhu et al. "A Quality Assessment and Handling Uncertainty in Health care Data Mining", published in *International Journal of Computing and Mathematical Applications Vol. NO.1-2, January-December 2008,pp199-213*.
9. G.Madhu et al., "Data Mining for Genetics: A Genetic Algorithm Approach ", *Journal of Convergence Information Technology*, published by *Advanced Institute of Convergence Information Technology, Korea. Vol 3 Number 3 September 2008,pp 39-45*.
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12. G.Madhu et al., "Application on Fuzzy Theory for Handling Uncertainty to Spatial Data Mining", published *International Research Journal "ACTA CIENCIA INDICA"* -Published Dec 2005.

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14. B.Jalender, Dr A.Govardhan ,P.Premchand,Dr C.Kiranmai and G.Suresh Reddy “Drag and Drop: Influences on the Design of Reusable Software Components” International Journal on Computer Science and Engineering Vol. 02, No. 07, pp. 2386-2393 July 2010.
15. B.Jalender, N.Gowtham, K.Praveenkumar, K.Murahari and K.sampath” Technical Impediments to Software Reuse” International Journal of Engineering Science and Technology (IJEST), Vol. 2(11),p. 6136-6139.Nov 2010.
16. B.Jalender, Dr A.Govardhan and P.Premchand.” Breaking the Boundaries for Software Component Reuse Technology”, International Journal of Computer Applications 13(6):37–41, January 2011. Published by Foundation of Computer Science.)

Humanities & Sciences Department:

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3. Shah C, Rao PR and Mukhopadhyay G: Self-consistent approach to dynamic image potential, Proc. DAE (India) Symp. On NPSSP, 24 C, 11(1981)
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5. Rao PR, Shah C and Mukhopadhyay G : Dynamic response approach to dynamic image potential, Pramana (India) 23,119 (1984)
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14. Jyotsna C., and Anjaneyulu Y., (2005), Design and Development of low cost, simple rapid and safe, modified field kits for the visual detection and determination of arsenic in drinking water samples. International Journal of Environmental Research and Public Health, 2(2), pp. 322-327.
15. Jyotsna C., Studies on the Development of Simple and Precise Spectrophotometric Method for the Estimation of Arsenic in Water Samples. Environmental Geochemistry, 2004, Vol.7. pp. 65-68
16. Jyotsna C., Rapid assessment of technologies for arsenic removal from drinking water: a comparative study, 5, pp. 21-25 Andhra Samachar, a bilingual bimonthly on industry and environment.
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21. J.V. Ramanamurthy, P. Aparna, Oscillatory flow of an incompressible micropolar fluid past a permeable sphere, Int. J. Appl.Math & Mech ,6(7): !- 12,2010.

Appendix-VI : Publications in National and International Conferences Department Wise

National Conferences: Civil Engineering:

1. “Development Of Road Accident Statistical Models For Hyderabad Metropolitan City In India” Journal of Indian Road Congress, New Delhi.(Accepted for Publication)
2. “Road Accident Models According To Type Of Collision Using MNL Approach” Journal of Institute of Urban Transport, New Delhi (Communicated)

National Conferences: Electrical and Electronics Engineering

1. K.Anuradha, B. P. Muni , A. D. Raj Kumar, “Independent DC link Voltage Controllers for Cascaded H- Bridge Converter based DSTATCOM”, NPSC December 10-12, 2006 IIT- Rourkee.
2. K.Anuradha, Jeelan Basha, “A Single Phase Power Factor corrector with Boost Rectifier”, Recent Developments and emerging trends in electrical engineering , November 21-23,2008,GCE, Andhra Pradesh.
3. K.Anuradha, Jeelan Basha, “Single Phase Active Front End Converter”, Recent Innovations in Technology (NCRIT), March 26-28, 2009, Rajiv Gandhi Institute of technology(Government engineering college), Kottayam.
4. K. Anuradha, B. P. Muni, A. D. Raj Kumar, Modeling of Electric Arc Furnace and Control Algorithms for voltage flicker mitigation using DSTATCOM, NPSC 15-17 December, 2010, Osmania University,
5. Mrs.N. Krishan Kumari , Lecturer, EEE Dept SRM University, Chennai; Dr.G.Sambabdan, Prof, EEE Dept. SRM University, Chennai Presented a paper on Direct Torque Control of Switched Reluctance Motor” at National conference on Power Conversion and Industrial Controls at NSS College of Engineering, Palakkad, Kerala, June 2004
6. Technical paper titled “AC to AC Converter with Constant Frequency Sinusoidal Input / Output Currents for Wind Generators” by Mrs.N.Krishna Kumari, Assoc. Prof. has been presented in the SEMS Conference held in BHEL R&D, Hyderabad on Feb 16th & 17th, 2010.
7. “Speed Control of AC Chopper fed Induction motor using PI Controller”, NCEEE’ 10, Satyabhama University, Chennai, 29th and 30th July
8. “Efficiency Optimization of DTC based Induction Motor by tuning stator Resistance using PI Controller”, NPEC’ 10, Madurai, 2nd & 3rd December.
9. Performance Analysis of Static Trippler used for electric furnaces, National Conference on Electrical Machines and Power Systems (EMPS-2011). Pondechery Engineering College, Pondechery, Feb 11th, 2011
10. P. Ramesh and Satya Sheel, Output Feedback Tracking Control Systems Design, Second National Conference on Emerging Trends in Electrical Engineering and Power Dries, GCE, Tirunelveli, 3rd March 2006, Sl. No.1, pp. 1-8.
11. Chand Kishor, Satya Sheel and P. Ramesh, Load disturbance Rejection in D.C Drives using Adaptive Techniques, Second National Conference on Emerging Trends in Electrical Engineering and Power Dries, GCE, Tirunelveli, 3rd March 2006, Sl. No.43, pp. 269-275.

12. J. Syamu, P. Ramesh, Average current control for power factor correction of the Converter, National Conference on Technological Development in Power Sector. 23-24th Feb 2006. ID No. PE 112 pp (Abstract). 22-23.
13. K.Sandhya, Dr.A. Jaya Laxmi, Dr.M.P.Soni, "Mitigation of Voltage Sag/Swell Using DVR" National Conference conducted by Federal Institute of Science and Technology (FISAT 2010), held at Ernakulam, Kerala, India on 20 & 21 May 2010 Pg. No. 40-45.
16. K.Sandhya, Dr.A. Jaya Laxmi, Dr.M. P. Soni, "Impact of DVR on the Dynamic Performance of Distribution System" Proceedings of National conference - CPEDS 2010, 30th & 31st May 2010, pg 141-145, Andhra University, Visakhapatnam, AP.
17. K.Sandhya, Dr.A. Jaya Laxmi, Dr.M. P. Soni, "Power Quality improvement in Distribution system using DSTATCOM" Proceedings of National conference Power Systems Today (PST 2010), 29th & 30th June 2010, pg 74-80, Andhra University, Visakhapatnam, AP.

National Conferences: Mechanical Engineering

1. Paruchuru S.P., Dong X., Wang X., and Jain, A., (2007) Mechanical Techniques For Measuring Properties Of Cortical Bone, Presented on the joint occasion of National Conference on Medical Materials 2007, XVIII National Conference and Annual Meeting of Society for Biomaterials and Artificial Organs, and I Annual Meeting of Society for Tissue Engineering and Regenerative Medicine, held at IIT Chennai, India, 13th – 14th Dec. 2007.
2. B.V.R. Ravi Kumar and Dr. J.S. Soni, "Effect of Pulsed Current GTAW on Porosity and Cracks in 65032 Aluminum Alloy Weldments", Published in the proceedings of National Conference on Technological Advancements in Mechanical Engineering (TAME – 2005), organized by Department of Mechanical Engineering, Sreenidhi Institute of Science and Technology, Hyderabad, held on 2nd – 3rd December 2005, pp. 20 – 27.
3. M.V.R.D.Prasad; Dr.G.Ranga Janardhana;Dr.D.Hanumantha Rao., "Effect of cutting conditions on surface roughness in dry machining of hardened steel – An Artificial Neural Network Approach", National conference on Advances in Mechanical Engineering, Dec 04th & 05th -2009, at MIT, Manipal University, Manipal.
4. A paper on "Production to Manufacturing – A Journey " submitted at National Conference held at GND Engineering College, Bidar, Karnataka, during Oct 12 – 13, 2003
5. K. Udayabhanu and Y. Shivraj Narayan., Recent Advances in MicroEDM, National Conference on Recent Advances in Manufacturing Engineering & Technology (RAMET 2011), VNR VJIET, Hyderabad, India, Jan. 10-11, 2011.
6. P. Naveen Kumar and Y. Shivraj Narayan., Simulation in Robotics, National Conference on Recent Advances in Manufacturing Engineering & Technology (RAMET 2011), VNR VJIET, Hyderabad, India, Jan. 10-11, 2011.
7. Abdul Mushtaq and Y. Shivraj Narayan., Optimization of Cost using Statistical Process Control (SPC) : A Case Study, National Conference on Recent Advances in Manufacturing Engineering & Technology (RAMET 2011), VNR VJIET, Hyderabad, India, Jan. 10-11, 2011.

8. K. Srinivas and Y. Shivraj Narayan,, An Application of Six Sigma DMADV Methodology to improve life of Belt for Radiator Fan of 250 HP Engine in an Earth Moving Equipment, National Conference on Recent Advances in Manufacturing Engineering & Technology (RAMET 2011), VNR VJIET, Hyderabad, India, Jan. 10-11, 2011.
9. Y. Shivraj Narayan and K. Karumanchi, Modeling And Core Cavity Preparation Of Side Engine Cover Of A Gear Box Casing Using Pro/E Software, National Conference on Advances in Mechanical Engineering (NCAME 2010), PVP Siddhartha College of Engineering, Vijayawada, India, Dec. 18, 2010.
10. Y. Shivraj Narayan, Dr. N N. Ramesh, Dr. B. Balu Naik, A Review of EDM Micro Drilling Process, National Conference on Recent Trends in Mechanical Engineering (TIME 2010), Chandigarh Engineering College, Mohali, India, Feb. 25-26, 2010.
11. M. Venkata Ramana, Y. Shivraj Narayan, An Effect of Minimum Quantity Lubrication in Machining – A Review, National Conference on Sustainability & Social Comfort – Strategizing Design and Manufacturing (NCOSASC 2009), VNR VJIET, Hyderabad, India , January 19-20, 2009.
12. K. Kodanda Ram, J. Chandrasheker, Y. Shivraj Narayan, Optimization of Process Parameters in Turning Process using Taguchi Design of Experiments, National Conference on Sustainability & Social Comfort – Strategizing Design and Manufacturing (NCOSASC 2009), VNR VJIET, Hyderabad, India, January 19-20, 2009.
13. Y. Shivraj Narayan, N. N. Ramesh, Application of Taguchi's Robust Design Philosophy for achieving higher surface finish in High Speed Machining, National Conference on Advances in Manufacturing & Industrial Engineering (NCOAIMAIE 2007), VNR VJIET, Hyderabad, India, July 12-14, 2007.
14. Y. Shivraj Narayan, Carbon Nanotubes: A Review, National Conference on Advances in Manufacturing & Industrial Engineering (NCOAIMAIE 2007), VNR VJIET, Hyderabad, India, July 12-14, 2007.
15. Y. Shivraj Narayan, Optimization Of Machining Parameters Of High Speed Machining Operation Using Taguchi Methodology, National Level Technical Conference PRATIBHA 2004, GVP CE & T, Visakhapatnam, India, Dec. 18, 2004.
16. Adapa Rama Rao, Reddy D N, Y. Shivraj Narayan, Optimization of Production Planning and Scheduling for Critical Products Like Gas Turbines, National Conference on Advanced Materials & Manufacturing Techniques, JNTU, Hyderabad, India, Mar. 8-9, 2004.
17. Y. Shivraj Narayan, S. K. Mishra, C. S. Kaul, Realization of Precision Aerospace Components by High Speed Milling through Parameter Optimization for Better Surface Finish, The Aeronautical Society of India, National Conference on Advances in Aerospace Manufacturing NCAAM, Thiruvananthapuram, India, Feb. 1-2, 2002.
18. M. Venkata Ramana R. Vidyanath and K Rajesh, "Performance Evaluation and Selection Optimal Cutting Conditions in Turning of AISI 4340 Steel with Coated and Uncoated Tools", National Conference on Recent Advances in Manufacturing Engineering & Technology, 10-11 January 2011, VNRVJIET, Hyderabad, A.P., pp 74 -80.
19. M. Venkata Ramana, A. Swarnendra Goud and K. Jaya Prakash, "Optimization of Process Parameters and Experimental Investigations in Turning of 6351 Aluminium Alloy With Dry, Flooded and Minimum Quantity Lubrication (MQL) Conditions on Cutting Temperature and Chip Morphology", National Conference on Recent Advances in Manufacturing Engineering & Technology, 10-11 January 2011, VNRVJIET, Hyderabad, A.P., pp 89-96.

20. A Venkata Vishnu and M Venkata Ramana, "Machinability of Titanium Alloys - A Review", National Conference on Recent Advances in Manufacturing Engineering & Technology, 10-11 January 2011, VNRVJiet, Hyderabad, A.P., pp 60-68.
21. M. Venkata Ramana, and M. Sai Santhosh, "Performance Evaluation and Selection of Optimal Cutting Conditions in Turning of En8 Steel Using Vegetable Oils Combined With Solid Lubricant As Cutting Fluids", National Conference on Advances in Mechanical Engineering [AIM-2010], 18-19 November 2010, Vasavi College of Engineering, Hyderabad, A.P, pp 72-75.
22. M. Venkata Ramana, Dr. G.Krishna Mohan Rao and Dr. D. Hanumatha Rao "Machinability of Titanium alloys - a review" National Conference on State of the Art of Technologies in Mechanical Engineering [NCSAME-2009], 20-21 August 2009, College of Engineering, JNTU Hyderabad, A.P.
23. M. Venkata Ramana and Y. Shivraj Narayan "An Effect of Minimum Quantity Lubrication in Machining – A Review" National Conference on Sustainability and Social Comfort- Strategizing Design and Manufacturing, 19-20 January 2009, VNR VJiet, Hyderabad, A.P.
24. S.Shyam Sunder Rao, R. Chandrika and M. Venkata Ramana "Computer Aided Programming and Simulation of Gas Turbine on 5-Axis Machine" National conference on Sustainability and Social Comfort- Strategizing Design and Manufacturing, 19- 20 January 2009, VNR VJiet, Hyderabad, A.P.
25. M. Venkata Ramana "Implementation of Radio Frequency Identification Tags for Bin/Component Identification on an ASRS System" National Conference on Advances in Manufacturing & Industrial Engineering, 12-14 July 2007, VNR VJiet, Hyderabad, A.P.
26. M. Venkata Ramana, S. Ramesh Babu "Evaluation of Fracture Toughness of Thermally Sprayed Coatings" National Conference on Emerging Trends in Mechanical Engineering, 23-24 January 2004, SVITS, Mahabubnagar, A.P.
27. V Anandkumar "Applications Of Composites In Bio-Mechanical Engineering Field" MECANICA-2008
Raghu Engineering College, Visakahapatnam, Andhrapradesh, India 14-15th March-2008.
28. V Anandkumar, Shaik Feroz "Finite Element Analysis Of Laminated Composite Plates With Multi-Pin Joints" National Conference on Aerospace Engineering (NCAE) Mallareddy College of Engg&Tech, Secunderabad, Andhrapradesh, India 4-5th December-2009.

National Conferences: Electronics Communication Engineering

1. V. Nagesh, and C. Dhanunjaya Naidu, Investigation of a DFT-IDFT based Approach to Fractional Sampling Rate Conversion, National Conference on signals Systems and Security, Department of ECE, PSG College of Technology, Coimbatore, India, March 1-2, 2002.
2. Arun K. Pujari, C. Dhanunjaya Naidu, and B.C. Jinaga An adaptive Character Recognizer for Telugu Scripts Using Multi- Resolution Analysis and Associative Memory, Third Indian Conference On Computer Vision, Graphics and Image Processing, Space applications centre, Ahmedabad, December 2002.

3. M. Srinivasa Rao, J. Anand Chandulal, K. Venkateswara Rao, and C. Dhanunjaya Naidu, VLSI Implementation of Dynamical Neural Network (DNN), National Symposium on Low Power VLSI Design, Hyderabad, February 2003.
4. P.Srihari - "Promtt Codes – A Novel Method Of Encoding Discrete Information Source" Proceedings Of 29th Mid Term Symposium On "Wide Band Wireless services" organized by The Institute of Electronics And Tele Communication Engineers (IETE), New Delhi at Nainital during 4-5 April, 1998.
5. P.Srihari - Generation Of Efficient Variable Length Codes (Source Encoding) – A Novel Approach proceedings of National Conference on "Advances in Broad-band Communication" jointly organized by Department of Electronics, Walchand College of Engineering, Sangli, Sangli Telecom and IETE, Pune Centre at Walchand College of Engineering, Sangli during 6-7 April 1998.
6. P.Srihari - Design Of Systematic Error Correcting Codes With UnequalParity Bit Structure - Proceedings of All India Seminar on "Trends in personal and wireless Communication" jointly organized by "The Institution of Engineers (India), Orissa State Centre and "Orissa Engineering Congress", Bhubaneswar at Bhubaneswar on 24th April 1999.
7. P.Srihari And B.C. Jinaga,- Design Of Single Error Correcting Codes Having Different Code Word Format With Reference To Hamming Codes - proceedings of All – India Seminar on "Information Technology" jointly organized by The Institution of Engineers (India), Cuddpah Local Centre and KSRM College of Engineering, Cuddapah at Cuddapah on 15th March 2000.
8. P.Srihari And B.C. Jinaga - Algorithms For Generation Of Efficient Variable Length Binary Source Code Words For Discrete Sources – Proceedings of Seminar on State of Art Technologies (SAT –03) organized by IETE, Visakhapatnam center at Visakhapatnam during Sept. 6-7, 2003.
9. P.Srihari And B.C. Jinaga, B. Prabhakara Rao,M.V.S. Sai Ram – $(n+1,k)$ systematic single error correcting codes" – Proceedings of National conference on "Advanced communication Techniques- ACT 2005" organized by Department of Electronics & Telecommunication, Computer science & Engineering and Information Technology, Bhilai Institute of Technology, Durg, during 5th & 6th April 2005.
10. P.Srihari And B.C. Jinaga, Systematic single error correcting codes with unequal parity bit structure" – Proceedings of National conference on "Recent trends in communication (NCRTC- 2005)" organized by Department of Electronics & communication Engineering, Arulmigu Kalasalingam college of Engineering, Anandanagar, Krishnakoil, Tamilnadu during 12th & 13th of May 2005.
11. P.Srihari And B.C. Jinaga, " $(2k-m,k)$ Systematic single error correcting codes with variable parity bit structure" – Proceedings of Second National "Control instrumentation systems Conference(CISCON 2005)" organized by Department of Instrumentation & Control Engineering, Manipal Institute of Technology, Manipal during 11th & 12th of Nov 2005.
12. P.Srihari And B.C. Jinaga, – $(n+1,k)$ systematic single error correcting codes – A Matlab Implementation" - Proceedings of National conference on "Trends in Electronics, computers and Communication (TRENZ'06)" organized by

- Department of Electronics & Communication Engg, Thanthai Periyar Government Inst.of Tech, Vellore, on 24th April 2005.
13. Y.Padmasai, Dr.K.Subba Rao, Dr.S.Raja Ratnam, Dr.S.Sita Jayalakshmi and M.D. Koteswar Rao, “ EEG Spike detection using Wavelet Transform”, Medical Council of India & Indian Council of Medical Research (Meditel-06) , Centre for Digital Health, Amrita Institute of Medical Sciences, Kochi, 24-26th November 2006, pp33-38.
 14. Y.Padma sai, Dr. V.Sree Hari Rao , Dr C.Raghavendra Rao and Dr.K.Subba Rao, “Analysis of EEG using Maximum likelihood Estimate”, Proceedings of IETE Zonal seminar on “Emerging and Converging Communication Technologies” (SECT-07), The Institute of Electronics and Telecommunication Engineers, Visakhapatnam centre, Visakhapatnam, 10- 11th February, 2007, pp25-27.
 15. Y.Padmasai, K.SubbaRao, C.Raghavendra Rao and S.Sita Jayalakshmi, “EEG analysis by Evaluating Performing Index”, Proceedings of National conference on Bio-Medical Engineering, Manipal Institute of Technology, Manipal, 4-6th October 2007, pp55-60.
 16. Y.Padma Sai, K.Subba Rao, T. Sunitha, C.Raghavendra Rao and K.Radha, “FPGA Implementation of Triple Data Encryption Algorithm for Data Security”, Proceedings of National Conference on Advances in Signal Processing (NCASP - 09) Andhra University, Visakhapatnam , 20-21 November 2009.
 17. N.Balaji, K.Subba Rao and M.Srinivasa Rao, “Hybrid GA-SA algorithm for Non Binary Pulse Compression Sequence”, Proceedings of National Conference on Communication and Signal Processing, Mumbai, India, April 12-13, 2007.
 18. N.Balaji, and K.Subba Rao, “Four phase Code Design using Modified Genetic Algorithm”, Proceedings of National Conference on Emerging Trends in RF and Signal Processing, Kerala, March 2010.
 19. N.Balaji, and K.Subba Rao, “FPGA Implementation of Modified Genetic Algorithm for Four phase code design”, Proceedings of National Conference on Information Sciences (NCIS-2010) April, 2010, Manipal, India.
 20. A.Ramesh Kumar, B.L.Malleshwari and G.Rajendra (2009) Performance Evaluation For Digital Matched Filters, National conference SNIST, India. National Conferences: Computer Science and Engineering
 21. C.Kiran Mai et al “Decision Tree Algorithm Application For Data Mining”, National Conference on emerging areas of computer Science and engineering, November 2006, Hyderabad, India.
 22. A paper on “A Review on DNA Computing” selected in National Conference at SKET Coimbatore in December 2007.
 23. A Paper on “Driver Fatigue Monitoring system based on Pupil analysis” was presented in National Conference at KGiSLII M Coimbatore in February -2011. It was awarded as a “Best Paper”.
 24. Presented a technical paper on “HASTY COMPUTING TO ACCESS INTERNET USING GRID TECHNOLOGY”, published in the proceedings of the national conference on recent advances in Computing NCRAC-2006.

25. A.Kousar Nikhath Published paper on “Simulation of interaction of 3Dimensional object with waves” in International Conference for Systematic, Informatics, Cybernetics. (ICSCI-2011) at Taramathi Resort, Andhra Pradesh, India, India, during February, 2011.
26. A.Kousar Nikhath, Published paper on “Modeling and Simulation of Boat Dynamics”, in International Conference for Systematic, Informatics, Cybernetics. (ICSCI-2010) at Dr.MCRD HRD Institute, Government of Andhra Pradesh, India, Road No: 25, Jubilee Hills, Hyderabad-500033, Andhra Pradesh, India, during January 27-30th, 2010 and have been awarded and selected as “Best Paper for the session” in the year 2011 and 2010.
27. Published a paper on “Multipath Routing Algorithms” in National Conference at Karpagam College of Engineering-Coimbatore.
28. Presented a paper titled “Efficient Dissemination of Dynamic Data using Co-operative caching for mobile ad-hoc networks” in National Research Conference on “Challenges and Innovations in Information Technology” – NRCCIIT '08 organized by Kongu Engineering College, Erode,TN during May 2008.
29. Presented a paper titled “Caching Schemes for Mobile Ad-hoc Network-CSMAN” in **National Conference on research in engineering Organized by Amal Jyothi College of Engineering Kottayam, Kerala during March 2009**
30. Presented a paper titled “Supporting Cooperative caching in Ad-hoc networks” in National Conference NICS '08, Organized by SNS college of Technology,CBE,TN during April 2008

National Conferences: Information Technology

1. Suresh Reddy G: “Grid Computing and its Technologies” (2007), National Conference on Parallel Computing, June 17th – 19th 2007, Osmania University, Hyderabad, Vol -1 pp: 224 -231.
2. Suresh Reddy G: “Hasty Computing to Access Internet Using GRID Technology” (2006),National Conference on Recent Advancement in Computing, Dec 21st – 22nd 2006, SKCET, Coimbatore, Vol -1 pp: 197-202 .
3. Dr.S.V.S.S.Srinivasa Raju , Kode Jaya Prakash ,Mohd.Ather mohiuddin “An analysis of application of TQM concepts in Engineering and Technical Education – A case study” was published in the proceedings of A two day National Conference on “Recent Advances In Manufacturing Engineering & Technology”(RAMET- 2011), pp 213-218
4. Dr.S.V.S.S.Srinivasa Raju , Kode Jaya Prakash ,K.KodandaRam “Performance Evaluation of Manual and Automated System of A Solar Semiconductor Module Assembling Unit – A Comparative Study” was published in the proceedings of A National Conference on Advances in Mechanical Engineering (NACAME-2010), pp 64
5. Dr.S.V.S.S.Srinivasa Raju and S.Shyama Sunder Rao “Concurrent Engineering - A Strategy for product development” was published in the souvenir of A National Conference on “Sustainability and Social Comfort Strategizing Design and manufacturing” (2009), pp 38.
6. S.V.S.S.Srinivasa Raju (2004) “Banking Sector Reforms and Hi-Tech Banking (with Special Reference to ATM’s)”.was presented in a National Conference on “E-Commerce: Strategies, Technologies and Applications”.

7. S.V.S.S.Srinivasa Raju, I.B.Raju, and A.Naga Raju Paper Entitled “Is F.D.I. Deserves Faste Growth?” was Published in the Journal of XXIV A.P. Economic Annual Conference. (2006), pp.59-62.
8. S.V.S.S.Srinivasa Raju, and I.B.Raju (2006). “B 2 B Commerce” was presented in a National Conference on “E- Commerce: Strategies, Technologies and Applications.
9. (Published) on “Performance Evaluation of Manual and Automated System of A Solar Semiconductor Module Assembling Unit - A Comparative Study” National Conference on Advances in Mechanical Engineering (NACAME-2010) conducted by Department of Mechanical Engineering Prasad V. Potluri Siddhartha Institute of Technology (Affiliated to J.N.T.U.K, Kakinada) Kanuru, Vijayawada on 18-12-2010
10. Participated & Paper Presented (Published) on “An analysis of application of TQM concepts in Engineering and Technical Education – A case study” National Conference on “Recent Advances In Manufacturing Engineering & Technology”(RAMET- 2011) conducted by (VNRVJIET), Hyderabad. From 10-01-2011 to 11-01-2011
11. S. Dammavalam, C. Piciarelli, C. Micheloni and G.L. Foresti., Shadow Removal In Outdoor Video Sequences By Automatic Thresholding Of Division Images , International Conference on Image Analysis and Processing, 2009. LNCS 5716, pp. 190-198, 2009.
12. D. Srinivasa Rao, Dr. M.Seetha, Dr. MHM Krishna Prasad , Comparison of Pixel - Level Based Image Fusion Techniques and Its Application in Image Classification , Geospatial World Forum , Hyderabad, India 2011.

National Conferences: Electronics and Instrumentation Engineering

1. Presented a paper titled, Advanced Biomedical Instrumentation at National conference on Instrumentation during Dec 8th – 10th 2008, at AU college of Engineering, Visakhapatnam. The same is communicated for publication in ISOI journal.
2. Presented a paper titled, Labview Based Remote Patient Monitoring System At National Conference-Sixty years of Transistor & its impact. at OU, Hyderabad. Oct 2009.
3. Published a review article titled, Review of image processing and teleophthalmology research projects world over. November 2010, Technology Spectrum Journal.
4. Presented one Paper on “Development of Iteration-Free Fast Fractal Image Coding Technique for Medical Images”, National Conference on Advanced Communication Techniques '07 in March 2007 at Alagappa Chettiyar College of Engineering and Technology, Karaikudi, India
5. E Chandra Mohan and Lovecy Thomas Presented a paper “High order models are reduced to SOPTD models” at National conference” PECON 11” held at Govt. college of engineering in tirunelveli, Tamilnadu.
6. A.Adithya, M.Ramesh Patnaik “Fuzzy logic based approach to the reduction of signal wandering of pH transmitter output by eliminating the influence of induced signals” at National Symposium for Instrumentation (NSI-35), held at VTU Belgaum in Jan. 2011.

International Conferences: Civil Engineering

1. NagaMalleswara Rao, B and Ravi Sankar. J., Database creation for a rural watershed Management of a cluster of villages in South India using –GIS, GIS for the 21st Century, Italy, Jul. 6-8, 1998.
2. NagaMalleswara Rao, B., Murthy, M.V.R.L and Yadav, Y.N., Development of GIUH for Dondki- watershed- Bilaspur Dist. (M.P.), International Conference on Watershed Management and Conservation, New Delhi, India, Dec. 8-12, 1998.
3. NagaMalleswara Rao, B and Thimma Reddy, G., Conservation of Electrical Power and Water Resources Management for Khindsy Lake in Central India, International Conference on Developments in Hydrology – The Current Status along with a Colloquium on Water Resources Management, Kolkata, India, Oct. 24 – 25, 2002.
4. NagaMalleswara Rao, B and Umamahesh N.V., Hydrologic Modelling Using GIS, International Conference on Water and Environment, WE – 2003, Bhopal, India, December, 15 –18, 2003.
5. NagaMalleswara Rao, B Kavitha and Umamahesh N.V., Prediction of Runoff from Ungauged Watersheds – A GIS Approach, International Conference on Advanced Modeling Techniques for Sustainable Management of Water Resources (AMTSMW – 2004), National Institute of Technology, Warangal, India, January 28 – 30, 2004.
6. NagaMalleswara Rao, B, Umamahesh N.V and Thimma Reddy G., Estimation of Design Discharge in Ungauged Basins Using GIS, The Sixth International Conference on Hydro- Science and Engineering (ICHE-2004), Brisbane, Australia, May, 30 – 04 June
7. NagaMalleswara Rao, B and Umamahesh N.V., Rainfall - Runoff Modeling Using GIS and Digital Elevation Model of an Ungauged Basin, VII IAHS Scientific Assembly at Brazil, April. 3 – 9, 2005.
8. NagaMalleswara Rao, B and Umamahesh N.V., Spatial Decision Support System for Identification of Water Harvesting Structures using GIS, 3rd APHW (Asia Pacific Association of Hydrology & Water resource) International Conference, Bangkok, Thailand, Oct. 16 – 18, 2006.
9. NagaMalleswara Rao, B and Umamahesh N.V., GIS based Distributed Rainfall - Runoff Modeling of Ungauged Basins, XXIV General Assembly of the International Union of Geodesy and Geophysics, Perugia, Italy, July 2 – 13, 2007.
10. Naga Malleswara Rao, B GIS based Action Plan for Water Resources Management – A case study of a Central India Watershed, 3rd International Conference on Hydrology and Watershed Management, JNTU, Hyderabad, 3 – 6 Feb. 2010.
11. A. Mallika and N.V. Ramana Rao, Optimization Of Shell Structures For Minimum Weight Using Finite Element Analysis, INSHAB-2008, Feb, 2008, Coimbatore.
12. B.Narendra kumar, K.Ramujee ,G.Rajesh “ Analysis And Design Of Asrs System Using Finite Element Analysis ” National seminar on Civil engineering Applications “ organized by Civil engineering Association , VNRVJIET, HYDERABAD , 24-25 January 2007.

13. B.Narendra kumar, K.Ramujee , “ Analysis And Design Of Maglev Bogie Structure Using ANSYS ” National seminar on Civil engineering Applications “ organized by Civil engineering Association , VNRVJIET, HYDERABAD , 24-25 January 2007.
14. B.Narendra kumar, K.Ramujee, and A.Ravi kumar “ Effect Of Fine Aggregate Replacement With Flyash On Some Properties Of Concrete “International conference on recent advancements in Concrete and construction organized by Vasavi college of Engineering in Association with south Dakota school of Mines , Rapid city , USA during 7th – 9th February 2008.
15. B.Narendra kumar, K.Ramujee “ Quality Assessment Of New Concrete Structures by NDT Techniques” International conference on Condition monitoring ICCM-2011 organized by GITAM University , Vizag during 23-24 February 2011.
16. Dr. M. Kumar & Ramesh A., “An Experimental Investigation On Engineering Behavior Of Coir Fiber And Lime Fly Ash In Stabilized Mechanistic Pavements” at 13th International Conference of the International Association for Computer Methods and Advances in Geomechanics, Melbourne, Australia
17. Ramesh A & Dr. M Kumar., “Performance Appraisal Of Crumb Rubber Bitumen Using Waste Plastics” International Conference on Development of Road Transportation 2010 , NIT Rourkela
18. Ramesh A., and Kumar M., Discrete Choice Model For Optimization Of Urban Transit System: A Case Study in 3rd International Conference on Innovations in Travel Modeling 2010 A Transportation Research Board Conferences, May 2010, Arizona, USA.
19. Ramesh A., and Kumar M., A Study on Correlation of Vehicle Operation Cost and Road Roughness of a Highway in The Context of Economic Evaluation – (A Case Study), at 8th International Conference on **Transportation Planning and Implementation Methodologies for Developing Countries, 2008** - IIT Bombay

International Conferences: Electrical and Electronics Engineering

1. Ashok Kumar G., Krishna Kumari, Raju G.S., Soni, M.P., Converter Configuration for Electronic Distribution Transformer, IEEE Symposium on Industrial Electronics and Applications, Malaysia which is to be held in October 4-6, 2009.
2. K. Anuradha, B. P. Muni, A. D. Raj Kumar, Simulation of Cascaded H-Bridge Converter based DSTATCOM, ICIEA, May 23-24, 2006 NTU, Singapore.
3. K. Anuradha, B. P. Muni, A. D. Raj Kumar, Novel Control Strategy for Cascaded H-Bridge Converter based DSTATCOM, ICIIS, August, 2006, University of Peradeniya, Sri Lanka.
4. K. Anuradha, B. P. Muni, A. D. Raj Kumar, Control of Cascaded H-Bridge Converter based DSTATCOM for High Power Applications, PEDES – December 8-10, 2006, IIT Delhi.
5. K. Anuradha, B. P. Muni, A. D. Raj Kumar, Electric Arc Furnace Modeling and Voltage Flicker mitigation by DSTATCOM, ICIIS, December 8-12, 2008, IIT Kharagpur.

6. Poonam Upadhyay, Amarnath J. and Sinh B.P., Determination of particle trajectory in gas insulated bus duct by using artificial neural network approach, IEEE
7. Poonam Upadhyay, Amanath J. and Sinh B.P., Particle trajectory in single phase SF6/N2 bus duct for power frequency voltage, International Conference on Industrial and Information systems (ICIIS) 2006, University of Peradeniya, Srilanka.
8. Poonam Upadhyay, Amarnath J. and Sinh B.P., Determination of particle movement of conducting particles in SF6/N2 mixture GIL using Monte-Carlo simulation, IEEE International Conference on Electrical Insulation and Dielectric Phenomenon (CEIDP) 2006, Kansas City, USA.
9. Poonam Upadhyay, Amarnath J. and Sinh B.P., Movement of metallic particles in gas insulated line using SF6 and N2 gas mixture under the influence of power frequency and switching transient voltage, IEEE International Conference on Electrical Insulation and Dielectric Phenomenon (CEIDP) 2006, Kansas City, USA.
10. Poonam Upadhyay, Amarnath J. and Sinh B.P., Determination of breakdown voltages in SF6/N2 gas insulated line, IEEE International Conference on Electrical Insulation and Dielectric Phenomenon (CEIDP) 2007, Canada.
11. Poonam Upadhyay, Amarnath J. and Sinh B.P., Application of neural network for determination of peak switching over voltage in power systems. International conference on computer application in electrical engineering, 1997, IIT, Roorkee.
12. Poonam Upadhyay, Amarnath J. and Sinh B.P., Movement of Metallic Particle in Coated and Uncoated SF6/N2 Gas Mixture GIB, IEEE Region 10 Colloquium and the Third ICIIS, IIT Kharagpur, 8th to 10th Dec 2008.
13. G.Sravanthi, Dr.Poonam Upadhyay, Dr.G.S.Raju.: “Dynamic Voltage Restorer using AC Chopper for Distribution System” National Conference on Electrical Machines & Power Systems (EMPS-2011) held at Pondicherry Engineering College, Pondicherry, 11th & 12th Feb’ 2011.
14. “Analysis of Wind Turbine Driven Doubly Fed Induction Generator “, in IEEE explorer, 978-1-61284-379-7/11\$26.00_c 2011 IEEE
15. “Performance Analysis of Matrix Converter with Variable Voltage, Variable Frequency without DC Stage in International Journal of Computer Applications (“IJCA) , Vol-I, No.2, April-2010, Page:2-22.
16. Analysis of Wind Turbine Driven Doubly Fed Induction Generator” 1st International Conference on Electrical Energy Systems (ICEES – 2011), 3-5 January 2010, SSN College of Engineering, Chennai, Tamilnadu.
17. Placement of FACTS devices based on the comparative study of static voltage stability Indices. Set up experiments for Closed loop control of various power electronic drive in PC Lab as Lab-Incharge at VNR VJIET
18. K.Sandhya, Dr.A. Jaya Laxmi Dr.M. P. Soni, “Direct and Indirect Control Strategies of Dynamic Voltage Restorer”, International Conference on Control, Communication and Power Engineering – CCPE 2010 July 28-29, 2010 at Chennai, India, Page 281-285 organized by the Association of Computer Electronics and Electrical Engineers (ACEEE)

19. K.Sandhya , A. Jaya Laxmi, M. P. Soni, “Impact Of DSTATCOM And DVR In Distribution System”, International Conference On Electrical Power And Energy Systems (ICEPES – 2010) , pg 325-331, 26-28 August 2010, Maulana Azad National Institute of Technology (MNIT), Bhopal.
20. K.Sandhya , A. Jaya Laxmi, M. P. Soni "Power Quality Enhancement In Distribution Systems Using Dynamic Voltage Restorer", International Journal Of Electrical Engineering And Electrical Systems (Ijeees), Pp[28-35], Volume 04, Issue No 01, Winter Edition 2010.
21. Optimal Dispatch using FACTS Devices in Restructured Power System with Congestion Management, International Conference on Electrical Power and Energy Systems ICEPES 2010, Aug 22-28,2010MANIT, Bhopal, India
22. Incorporation of Unified Power Flow Controller Model for Optimal Placement using Particle Swarm Optimization Technique, IEEE 3rd International conference, Kanyakumari,
23. Voltage Stability Constrained ATC Calculation with Contingency Analysis in Deregulated Power Systems IEEE 3rd International conference, Kanyakumari,
24. Naveen Kumar G., and Devi K.K.A., Nucleus USB for Embedded Systems, International Conference on Advanced Technologies in Telecommunication and Control Engineering (ATTCE 2006) in INTI College, Malaysia, June 2006.
25. Naveen Kumar G., and Devi K.K.A., Digital Techniques for TRIAC control with a 16-bit Microcontroller, International Conference on Advanced Technologies in Telecommunication and Control Engineering (ATTCE 2006) in INTI College, Malaysia, June 2006.
26. “Reactive Power Compensation for Large Disturbance Voltage Stability using FACTS controllers”, IEEE International conference, ICECT-2011, April 8-10, kanyakumari.
27. Kiran Seelam, Surender Kumar Yellagoud, Veeranjanyulu Puppala, An improved evaluation method for Available Transfer capability by Incorporating the Reactive power flows , IJEST, Vol 2 (12), 2010, 7572-7578, Singapore .
28. J.SRINIVASA RAO, B.V.Sanker ram, Adaptive filter modeling for vector controlled induction machine for robust inverter design., IJMRAE, Volume .2, no -111.october, 2010, Pune.
29. J.SRINIVASA RAO, B.V.Sanker ram, A neuro fuzzy controller for induction machines. September -30,jatit,Islamabad,2010.

International Conferences: Mechanical Engineering

1. Paruchuru S.P., Dong X., Wang X., Finite Element Simulation of Nanoindentation Tests For Cortical Bone using a Damaged Plastic Model, American Society of Biomechanics Annual Meeting, Stanford University, California, USA, Aug. 22-25, 2007.
2. Paruchuru S.P., and Wang X., 3D Finite Element Simulation of a Novel Scratch Test for Assessing Bone Quality, BioMedical Engineering Society Annual Meeting, Chicago, Illinois, USA, Oct. 11-14, 2006.

3. Wang X., Paruchuru S.P., Mabrey J.D., Agrawal C.M., An Interspecies Study of Bone Fracture Toughness, 42nd Annual Meeting, Orthopedic Research Society, Atlanta, Georgia, USA, Feb. 19-22, 1996.
4. Dr. B.V.R. Ravi Kumar, (co-other) “Optimizing Pulsed Current Tig Welding Parameters To Refine The Fusion Zone” , Published in the proceedings of International Conference on Convergence of Science and Engineering in Education and Research – A global Perspective in the new Millennium – ICSE 2010, held on 21st, 22nd, & 23rd April 2010.
5. Dr. B.V.R. Ravi Kumar, “Role of Concurrent Engineering in Product Life Cycle”, Published in the proceedings of International Conference on Total Engineering Analysis & Manufacturing Technologies (Team Tech 2008), held on 22nd – 24th September 2008
6. B.V.R. Ravi Kumar and Dr. J.S. Soni, “Micro – Hardness and Properties of Welded 65032 Aluminum Alloy”, Published in the proceedings of International Conference on Advances in Manufacturing & Technology Management (ICAMTM – 2007), organized by Department of Mechanical Engineering , Parshvanath College of Engineering, Thane (W), Mumbai , association with University of Mumbai, held on 18th – 20th January 2007, pp.298 – 305.
7. B.V.R. Ravi Kumar and Dr. J.S. Soni, “Study of Welding Characteristics of 15 CDV 6 Alloy Steel Weldments using Pulsed and Non – Pulsed Current GTAW”, Published in the proceedings of International Conference on Quality and Reliability in Aerospace Systems (CONQUEST – 2006), organized by Research Center Imarat (RCI), Hyderabad, held on 15th – 17th January 2006, pp. 239 – 253.
8. B.V.R. Ravi Kumar , “Static and Dynamic Analysis of Linear Positioned Structure Using Finite Element Analysis”, Published in the proceedings of International conference on Global Manufacturing and Innovation (GMI – 2006), organized by Coimbatore Institute of Technology jointly with University of Massachusetts-Dartmouth, USA, held on 27th -29th July 2006, pp. 1 – 9.
9. B.V.R. Ravi Kumar and Dr. J.S. Soni, “Micro-Hardness and Properties of Welded 15 CDV 6 Alloy Steel ” Published in the proceedings of International Conference on Recent Advantages in Manufacturing Process (RAMP – 2006), organized by Department of Metallurgical Engineering, PSG College of Technology in collaboration with the Indian Institute of Metals, Coimbatore chapter, held on 15th – 16th December 2006.
10. B.V.R. Ravi Kumar and Dr. J.S. Soni, “Experimental study of Welding Characteristics of 65032 Aluminum Alloy Weldments using Pulsed and Non – Pulsed Current GTAW”, Published in the proceedings of International Conference on Advances in Materials, Product Design & Manufacturing System (ICMPM – 2005), organized by Department of Mechanical Engineering, Bannari Amman Institute of Technology, Sathyamangalam, held on 12th – 14th December 2005, pp. 492-500.
11. G. Srinivasa Gupta, G. Vamsi Madhav, A. Pandey, B. Nageswara Sarma And S. Lele, Estimation Of Ce-Cvm Energy Parameters From Miscibility Gap Data, MRSI Symposium on Materials for Light and Smart Structures”,

- organized by Banaras Hindu University, Varanasi, during February 8 – 11, 2004
12. G. Srinivasa Gupta, B. Nageswara Sarma And S. Lele, Estimation of CE-CVM Energy Parameters from Miscibility Gap Data, International Conference on Design and Characterization of Advanced Materials – 2004, organized by Banaras Hindu University, Varanasi, during. November 10-11, 2004
 13. G.K. Pujari, N.M. Rao, Experimental Studies of Air Lift Loop, 53rd Congress ISTAM, organized by Osmania University, Hyderabad, Dec. 27-30, 2008.
 14. G.K. Pujari, Design, Fabrication, Performance & CFD study of a Natural Circulation Loop, 53rd Congress ISTAM, organized by Osmania University, Hyderabad, Dec. 27-30, 2008.
 15. G.K Pujari, Investigations Of Three Tube Heat Exchangers For One Of The Arrangements Published in IJMAE June 2010.
 16. G.K.PUJARI , G.Narender, Development Of A Variable Compression Ratio Diesel Engine And Performance Evaluation In Ijmae MAY 2010.
 17. M.V.R.D. Prasad, G. Rangajanardhana and N.N. Ramesh “PCBN Tools on Hardened Steels En31 in Dry Machining” International Conference on ICAMIDA-2007, Pune.
 18. M.V.R.D. Prasad, V. Valasamudram, A paper titled “Concurrent Engineering – A Path Breaking Approach Towards World Class Manufacturing – A Case Study”, presented in the International conference on “Integrated Design and Manufacturing in Mechanical Engineering” during 14-16, May 2002 at Clermont- Ferrand, France.
 19. Venu Gopal Reddy V., Rajarshi Mukherjee, Ravinder Reddy B., Kodanda Ram K. and C.S.P. Rao, Capacity Utilization By Identifying Bottle Neck Area - A Case Study, International Conference on intelligent flexible Autonomous Manufacturing Systems towards Rapid Design Exploration and Optimization, Jan 10-12, 2000 at CIT, Coimbatore
 20. A paper on “ Prediction of Surface Roughness in Turning Process Using Taguchi Design of Experiments and developing Regression Models” at 3rd International & 24th AIMTDR Conference during 12-14 Dec 2010 , at Andhra University, Vizag.
 21. A paper on “Performance Evaluation on Manual and Automated System of a Solar Semi-Conductor Module Assembling Unit – A Comparative Study “ at NCAME 18th Dec 2010 at Siddhartha Engg College, vijayawada.
 22. T. Sinivasa Rao, S. Srinivasa Rao, K. Madhu Murthy, V. Vasudeva Rao., Design and experimental investigation of Air Lift Pump, 51st Congress of ISTAM (An International meet) Organized at Andhra University College of Engineering, Visakhapatnam during 18-21 December 2006.
 23. T. Sinivasa Rao, V. Balakrishna Murthy., (2007) Micromechanical Prediction of Thermal Stresses at Fiber-Matrix Interface of Boron-Epoxy Composite, Team-Tech 2007, Indian Institute of Science, Bangalore during 4 - 6 October 2007.
 24. Y. Shivraj Narayan, D. Lachiram, B. Srikanth, Parameter Optimization For Improving The Electrical Performance Of Microwave Horn Antenna Using Taguchi Method, Society for Manufacturing Engineers International

- Conference Recent Advances in Materials Processing Technology, National Engineering College, Kovilpatti, Tamil Nadu, India, Feb. 25-27, 2009.
25. Y. Shivraj Narayan, N. N. Ramesh, B. Srikanth, Optimizing the Machining Parameters for the Development of Microwave Horn Antenna Using Taguchi's Robust Design Methodology, *International Conference on Mechanical and Manufacturing Engineering 2008*, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia, May 21-23, 2008.
 26. M. Venkata Ramana, Dr. G.Krishna Mohan Rao and A. Swarnendra Goud, "Experimental Investigations and Optimization of Process Parameters in Turning of 6351 Aluminium Alloy With Dry, Flooded And Minimum Quantity Lubrication (MQL) Conditions on Cutting Forces and Chip Morphology", International Conference on "iCOST 2011-First International Conference on Sunrise Technologies" during 13-15 January 2011, Dhule, Maharashtra, pp 375-382

International Conferences: Electronics and Communication Engineering

1. M. Srinivasa Rao, C. Dhanunjaya Naidu, Arun K. Pujari "Order Sensitive Learning in Hopfield Neural Network" International Conference on Systems, Cybernetics and Informatics Pentagram Research Pvt. Ltd., Hyderabad, India, February 12-15, 2004.
2. C. Dhanunjaya Naidu, M. Srinivasa Rao, Arun K. Pujari and B.C. Jinaga "Human signature verification using Dynamic Neural Network (DNN) With Enhanced Capacity by Reutilization of pruned Nodes, International Conference on Systemics, Cybernetics and Informatics, Pentagram research Pvt. Ltd, Hyderabad, February 12-15, 2004.
3. B. Hari Kumar, N. Namassivaya, G. Kanaka Durga, D.S. Venkateswarlu, C. Dhanunjaya Naidu, Design of Loop Filter for Synchronous Pseudolite Navigation Systems using PLL, International Conference on Systemics, Cybernetics and Informatics (ICSCI), Pentagram Research Center Pvt. Ltd., Hyderabad, January 04-08, 2006.
4. P.Srihari and B.C. Jinaga- Design Of Systematic Single Error Correcting Codes With Unequal Parity Bit Structure – Proceedings of International Conference on "Systemics, Cybernetics, and Informatics (ICSCI 2004) organized by "Pentagram Research Centre Pvt. Ltd., at Hyderabad during Feb 12-15, 2004.
5. P.Srihari And B.C. Jinaga – Data Inverting Codes – Proceedings of International conference on "Bio medical electronics & Telecommunications (BET-04) organized by Centre for Bio-Medical Engineering and Dept. of Electronics and Communication Engineering, College of Engineering, Andhra University, Visakhapatnam, IETE and Society of EMC Engineers (SEMCE), Visakhapatnam Centre at Visakhapatnam, during Dec 9-10, 2004.
6. P.Srihari, B.C. Jinaga, Smt Shanta Kumari, B.L.Prakash - Design Of Systematic Single Error Correcting Codes With Unequal Parity Bit Structure – proceedings of International Conference BET-04 (Poster Presentation).
7. P.Srihari , B.C.Jinaga – Data Inverting Codes – Proceedings of International Conference on "Systemics, Cybernetics, and Informatics (ICSCI 2005)"

- organized by “Pentagram Research Centre Pvt. Ltd., at Hyderabad, during Jan 6-9, 2005
8. P.Srihari And B.C. Jinaga, “ Systematic single error correcting codes with unequal parity bit structure –A MATLAB Implementation” – Proceedings of International Conference on Communication, Computer & Controls, organized by Dept.of Electronics & Communication Engineering, R.V.College of Engineering, Banglore, during 23rd-25th, November, 2006.
 9. P.Sri Hari, B.C.Jinaga-Design of (2k-1,k) Systematic Double Error correcting codes-International conference on VLSI,Communication, Computation and Security-ICVCCS-10, organized by Karunya University, Coimbatore.
 10. Y.Padmasai, Dr.K.Subba Rao, M.Venkateswara Rao and V. Malini., “Data Acquisition System for the analysis of Sleep Disorders” Proceedings of International Conference on Systemics, Cybernetics and Informatics, Pentagram Research Centre, Hyderabad ,4-8th January 2006, pp121-124.
 11. Y.Padmasai, K.SubbaRao, C.Raghavendra Rao and S.Sita Jayalakshmi, “EEG analysis using Principal Component Approach”, Proceedings of 14th IEEE International conference on Electronics, Circuits and Systems, Marrakech, Morocco, 11-14th December 2007, pp134-137.
 12. Y.Padmasai, K.SubbaRao, C.Raghavendra Rao and S.Sita Jayalakshmi, “Detection of Epileptic Seizures using Wavelet Transform”, International symposium on Global Trends in Biomedical Informatics Research, Education and Commercialization, Chennai, 11-12th January 2008.
 13. Y.Padmasai, K.SubbaRao, C.Raghavendra Rao and S.Sita Jayalakshmi, “APT Wavelet Transform for spike detection in EEG signals”, IEEE Conference on AI Tools in Engineering, Maharshi Karve Stree Shikshan Sanstha’s Cummins College of Engineering for Women, Pune, 6 - 8th March 2008.
 14. Y.Padmasai, Dr.K.SubbaRao, Dr.C.Raghavendra Rao, Dr.S.Sita Jayalakshmi and T.Mahendra, “Discrete Wavelet Transform Implementation on TMS320C6713 Processor for Epilepsy detection”, International conference on Electronic Design and Signal Processing (ICEDSP-09)” MIT, Manipal, 10th to12th December 2009.
 15. Y.Padmasai, Dr.K.SubbaRao, . Malini and Dr.C.Raghavendra Rao, “Linear Prediction Modelling for the Analysis of the Epileptic EEG”, International Conference on Advances in Computer Engineering (ACE-2010) Bangalore, June 21-22, 2010.
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 28. N.Balaji, and K.Subba Rao, "Six phase Code design using Modified Genetic Algorithm", International Conference on Aerospace Electronics, Communication and Instrumentation (ASECI-2010), India, January, 2010.
 29. N.Balaji, and K.Subba Rao, "VLSI Based Modified Genetic Algorithm for Six Phase Code Design", Proceedings of International Conference on Informatics Cybernetics, and Computer Applications (ICICCA2010), Bangalore, India, July, 2010
 30. N.Balaji, and K.Subba Rao, "VLSI Signal Processing System employing Six Phase codes for Spread Spectrum Applications" Proceedings of IEEE Region 8 International conference SIBIRCON-2010, RUSSIA, July, **2010**.
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 33. A.Ramesh Kumar, B.L.Malleswari, K.Lal Kishore, G.Rama Subba Reddy, "Implementation of Hierarchical Matched Filter on FPGA for WCDMA Systems", International Conference on Advances in Information, Communication Technology and VLSI Design (ICAICV-2010), PSG College of Technology, Coimbatore, August 2010.

International Conferences: Computer Science and Engineering

1. C.Kiran Mai et al "The Feasibility Study for Land Suitability Using GIS Tools", published in International Conference on Environment, Cultural, Economic & Social sustainability, University of Technology, Mauritius, January, 2009.
2. C.Kiran Mai et al "Spatial and Collateral Data Mining for Crime detection and analysis", Map Middle East 2005 – Conference on Geospatial information and Knowledge economy, April 2005, Dubai, UAE.
3. C.Kiran Mai et al "Polyanalyst application for Forest Data Mining", paper presented at IGARSS- IEEE – 25th International Geoscience and Remote Sensing Symposium, July 2006, Seoul, South Korea.
4. C.Kiran Mai et al "Data Mining of Geospatial database for Agriculture related application", MAP INDIA – 06, 9th International conference on Land registration & CADASTRE, January 2006, New Delhi, India.
5. C.Kiran Mai et al "Association Rule Mining – Application To Crime Analysis", ICORG'06, International Conference on Geo-Informatics, June 2006, Hyderabad, India.
6. C.Kiran Mai et al "Spatial Outliers Analysis For Optimal Planning Of Agriculture Land Use", ICSCI – 08, International conference on Cybernetics, Systematics and Informatics, 02-05 January 2008, Hyderabad, India.
7. Presented a paper on "Cloud Computing: Architecture, Security Issues and Deployment Models" in International Conference on Emerging Technology Trends in Cloud Computing"
8. A. Kousar Nikkath, R.Vasavi, G.Ramesh Chandra, "Simulation Of Interaction Of 3d Objects With Waves", International Conference on systemics, Cybernetics and Informatics, Hyderabad, India , Jan. 05-08, 2011;
9. G. Ramesh Chandra, E.G. Rajan., Dynamic Histogram For Real Time Video Processing: International Conference on MIPPSCON-2011, GMRIT, Rajam, A.P., India , Apr. 07-09, 2011
10. G.Ramesh Chandra., D.Murali, B.Sasidhar, A New Spatial Data Representation & Mining Method, International Conference on systemics, Cybernetics & Informatics, Hyderabad, India , Jan. 27-31, 2010; p.p. 608-611.
11. G.Ramesh Chandra., V. Dhana Lakshmi, Dr.E.G.Rajan, 3-D Reconstruction of Urban Scenes in Aerial Imagery, International Conference on systemics, Cybernetics & Informatics, Hyderabad, India , Jan. 07-10, 2009; p.p. 608-611.

12. Dr.E.G.Rajan, G. Ramesh Chandra., T.V.V. Satyanaryana, On The Notation Of 3-D Structuring Elements In Mathematical Morphology, International Conference on systemics, Cybernetics and Informatics, Hyderabad, India , Jan. 02-05, 2008; p.p. 229-231.
13. Paper Presented on “ Feasibility Study on Land Suitability Using GIS Tool” Fifth International Conference on Environmental Cultural Economic & Social Sustainability held at Mauritius ‘’2008
14. Paper titled “A Comparative Study On Etl Environments For Real Time Data Warehouses” . published in International Journal - IJCSI- May'2011
15. P.Radhika Dr.P.Suresh Varma “Security Patterns for Security Architectures – Web Services Case Study” at Second International Conference on Emerging Technologies in Computer Science Engineering (ICETCSE 2010), February 12 – 13 2010, at Dept. CSE V.R.Siddhartha Engineering College Vijayawada A.P. India. Proceedings pp. 167-175
16. P.Radhika Dr.P.Suresh Varma, “ Designing Dependable Service Oriented Web Services Security Architectures Solutions” at International Conference on Statistics, Probability, Operations Research, Computer Science and Allied Areas, Andhra University, Visakhapatnam A.P. January 4 – 8, 2010 Proceedings Abstracts pp. 135 - 136
17. Time Domain Signal Detection for MIMO OFDM - Special Issue of IJCTT Vol.1 Issue 2, 3, 4; 2010 for International Conference [ACCTA-2010], 3-5 August 2010
18. Presented a Paper in 5th International conference on “Downtrend Challenges in Information Technology (DCIT 09)”. Organized by Punjab College of Technical Education, Ludhiana. Held on 22nd May, 2009.
19. Presented a Paper in International Conference on “Emerging & Futuristic System and Technology (ICE-FST'09)” sponsored by the Institute of Engineers (India), Rajasthan centre, Jaipur. Organized by Laxmi Devi Institute of Engineering & Technology, Alwar. Held on April 09-11, 2009.
20. M.Venu Gopalachari, P.Sammulal, Dr.A. Vinaya Babu, “Correlating Scheduling and Load balancing to achieve optimal performance from a cluster” in the proceeding of 2009 IEEE International Advance Computing Conference (IACC 2009), March 6-7, 2009 at Patiala, India.Pp 2434-2439.
21. M.Venu Gopalachari, P.Sammulal, Dr.A.Vinaya Babu, “CPU Utilization Responsive Load Balancing in High Performance Cluster Computing” in the proceeding of an International Conference on Systemics, Cybernetics and Informatics” in the proceeding of ICSCI-2009, January 07 -10 , 2009 at Hyderabad.

International Conferences: Information Technology

1. Suresh reddy.G.”An Impudent Approach for Intelligent Data Mining Using Rough Set Theory”,International Journal of software Engineering,vol2,2011,pp:1-10.
2. Suresh reddy.G.”A Comparative Study on Manual and Automated System for Wireless Networks”,Journal of theoretical and applied information Technology,vol-11,2010,pp:43-50.
3. Suresh reddy.G.”Drag and Drop:Influences on the Design of Reusable Software Components” International Journal on Computer Science and Enginerring,vol-

- 02,2010, pp:2386-2393.
4. Suresh reddy.G."Hypothetical Description for Intelligent DataMining", International Journal on Computer Science and Enginerring,vol-02,2010,pp:2349-2352.
 5. K.Kodanda Ram, Dr.S.V.S.S.Srinivasa Raju, J.Chandrasekhar and Nagendra.A"Prediction of Surface Roughness in Turning Process Using Taguchi Design of Experiments and Developing Regression Model" was published in the proceedings of 3rd Inter National and 24th All India Manufacturing Technology, Design And Research Conference, (AIMTDR,2010)pp379-384
 6. Dr.S.V.S.S.Srinivasa Raju and Kode Jaya Prakash "A comparative study of manual and automated system of a solar semiconductor module manufacturing unit - A case study" was published in "International Journal on mechanical and automobile engineering ",volume 05,issue no 7,June 09- August 2009.
 7. Mangathayaru N, Allam Appa rao(2009) ,Presented a paper "Analysis of resistin "in International Conference on Coalescence of Computer Science & Biotechnology , pp 88-89, Organised by Sanketika vidya parishad engineering college & Andhra university on feb16-17,09

International Conferences: Electronics and Instrumentation Engineering

1. Paper titled Computer Aided Diagnosis of Lesions Through Flureorescein Angiographic Images accepted for presentation at International Conference on Instrumentation and Control 2011, PSG college of Engineering, Coimbatore.
2. One Paper titled "Speeding up methods for fractal coding" got accepted in an International Conference namely MVIPPA' 09 Conducted by WASET, Bangkok in Dec 2009.
3. M.Chidambaram and E Chandra Mohan Presented a paper "Model reduction by using Equating coefficient method" at International conference" PSE ASIA 2010" held at Singapore University in Singapore
4. A.Adithya, M.Ramesh Patnaik and P.L.H.Vara Prasad "Control Optimization by Fuzzy Supervisory Approach in Sinter Plant of an Integrated Steel Plant" at 4thInternational Multi conference on Intelligent Systems and Nanotechnology, pp. 243-247, Feb. 2010.

International Conferences: Humanities & Sciences

1. Presented a paper entitled "Strategic Design for Quality Education in Private Engineering Institutes in India", during August, 2010 at International conference , ICORTE, organised by Osmania University, Hyderabad.
2. Presented a paper on Simulation of fibre optic polarimetric sensor by K.Srinivasa Reddy,S.Chandralingam, PV Kanaka Rao and P Raghavendra Rao, Proc. Of Internation conference on trends in optics and photonics(ICON-TOP 2009) .Kolkota,pp. 561 (2009)
3. Presented a paper Variation of intensity of scattered light with respect to input state of polarization – Simulated study by K.Srinivas Reddy , P.Raghavendra Rao et al at ICONN-2010, An International Conference on Nanoscience and Nanotechnology organized by the SRM University24-26 February 2010

4. Presented a paper 'Concerns and Initiatives in Engineering Education In Private Engineering Institutes- in the context of Globalisation' by T.Jayashree, P.Raghavendra Rao and C.D.Naidu at ICORTE-2010 organized by Osmania University College of Engineering in August 2010.
5. Jyotsna C., and Anjaneyulu Y., Removal of Sulfide Interference in Arsenic Estimation using Fenton's Reagent. International Conference on Environmental Management, Pollution and Control technologies, 2005, pp. 244-250.
6. Anjaneyulu Y., Srinivas V., and Jyotsna C., Assessment of vehicular emissions from enhanced traffic growth and their impacts on air quality-A case study of proposed project activities at Buddha Poornima project area, Hussain Sagar, Hyderabad, A.P, India. International Conference on Industrial Pollution and Control Technologies (ICIPACT), 2001, pp. 24-34.
7. Jyotsna C., Removal of Sulfide Interference in Arsenic Estimation using Fenton's Reagent. International Conference on Environmental Management, Jawaharlal Nehru Technological University, 2005, India, Hyderabad.
8. Jyotsna C., Novel Approach for Assessment, Removal and Management of Arsenic Pollutants in Drinking Water- a case study from developing country, India. Paper presented in 14th Stockholm Conference, Sweden (2004).
9. Jyotsna C., A novel approach for the conservation and management of industrially polluted Isnapur Lake by integrating with combined waste water treatment and sub-surface wetland system (2002), 12th Stockholm Conference, Sweden.
10. Jyotsna C., Assessment of vehicular emissions from enhanced traffic growth and their impacts on air quality-A case study of proposed project activities at Buddha Poornima project area, Hussain Sagar, Hyderabad, A.P, India. International Conference on Industrial Pollution and Control Technologies (ICIPACT) (2001).
11. Jyotsna C., Invited Lecture, International Conference on Industrial Pollution and Control Technologies (ICIPACT) 1997, Organized by Centre for Environment, JNT University, Hyderabad.
12. Neelaveni K., The Use of Podcast and Vodcast Technologies in the Class room, International Conference on 'New and Emerging Technologies in ELT, held at Loyola College, Chennai, Organized by IATEFL Learning Technologies SIG, UK in association with ELTAI in 2007.
13. Presented a paper on Articulation of feminist Concerns in Khaled Hosseini's A Thousand Splendid Suns in a UGC Sponsored National Seminar on Voice and the Voiceless: Articulating Women of the Fourth World Literatures conducted by Andhra University, Vishakhapatnam.
14. Presented a paper on Globalization: A Threat to Regional Languages and Culture in a National Seminar on New Perspectives in Non Native Literatures in English conducted by MANUU, Hyderabad.
15. A Research article on Anita Desai's Short Fiction would be published by January 2011.
16. Presented a paper on Articulation of feminist Concerns in Nisha Da Cunha's Select Short Stories in a UGC Sponsored National Seminar on New trends in Asian and African Literatures in English conducted by Acharya Nagarjuna University, Guntur.

17. Presented a paper on The Eloquence of Silence in Nisha Da Cunha's Select Short Stories in a UGC Sponsored National Seminar on Between Spaces of Silence and Violence conducted by Andhra University, Vishakhapatnam.
18. G. Sreerama, Psycho-Social Correlates of Basketball Performance at National Level, XIV Common Wealth International Sports Science Congress 2010, at Manavrachana International University, New Delhi, during 27-30 September 2010
19. G. Sreerama, Use of Computer Science in Sports, Asian Conference on Physical Education and Computer Science in Sports, Venue: Osmania University, 7-9 May 2010.
20. Dr.G.Sreerama, "International Seminar and Workshop on Sports Science, Technology, Medicine, Life Style & Fitness" at JNTUK Kakinada from July 26-27, 2011.
21. P. Raghavaiah, Foreign university in India : change in Indian higher education system, International conference on Reforms in Technical education-Global trends, 27-28 August 2010, held at Dept of Mechanical Engineering, Osmania University, Hyderabad.
22. P. Raghavaiah, "Digital Libraries", 38th Andhra Pradesh Library Conference, held at GUNTUR during January 2009.
