

# INSTITUTIONAL ACCREDITATION Self Study Report (SSR)

Submitted to



**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)**

An Autonomous Institution of University Grants Commission

P.O.Box No.1075, Nagarbhavi

Bangalore-560072

By



**PACE INSTITUTE OF TECHNOLOGY & SCIENCES**

(An ISO 9001 : 2008 Certified Institution)

(Approved by AICTE, NEW DELHI & Govt. of Andhra Pradesh, Affiliated to JNTU., Kakinada)

**College Address:** NH-5, Near Valluramma Temple, ONGOLE, Prakasam Dist., Pin - 523 272, A.P.

Mobile No: + 91 97030 20577

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# PART-A

# PREFACE



## **PACE INSTITUTE OF TECHNOLOGY & SCIENCES**

### **About the College**

PACE Institute of Technology and Sciences, Ongole has been established with a vision and a mission to develop it as an incubator of innovation and knowledge-creation in the field of science and technology. PACE was established under Srinivasa Education Society in 2007 at Valluru village, Ongole, in the academic year 2008-09.

PACE is a premiere Technology Campus that has over 8 years of glorious history in motivating the students to develop questing minds and creative envisioning and chase their aspirations, with a sense of purpose in life. Part of multi-million dollar PACE group, our college addresses a broad range of interests and industries. We attract a diverse group of exceptionally talented young students from across the nation and around the world to educate them from scholarship to leadership.

Considered as an Ivy league Institute in Andhra Pradesh, India, we focus on Education, Exploration, Entrepreneurship and Employment. These 4Es form the foundation pillars of all our activities. PACE students excel not only in education but also in many research exploration activities. We have created an environment that ignites curiosity and provide students with tools for research. PACE is famous for providing means for every aspiration.

### **Vision**

Our vision is to impart futuristic technical education transforming the students technically superior, ethically strong, self disciplined to serve the nation as a valuable resource.

### **Mission**

Our mission is to impart quality education by providing outstanding technical resources, cutting edge technologies, professional skills and special training by experts from leading industry and institution and encourage the students to participate in the conferences, seminars, workshops and social activities through NSS, IETE, etc. The institute is committed to encourage creativity, critical thinking, exposure to industry and to create self discipline, sensitivity towards society and respect for the environment.

### **Quality Policy**

The PACE is engaged in providing quality technical education towards achieving high standards of teaching, training and development of human resources by encouraging the faculty and staff to work as a team and to update their knowledge and skills continuously to match the needs of the industry.

## Objectives

- To train the students to meet the challenges in the industry and society.
- To transform our students into world class technical professionals with good communication skills.
- To inculcate high moral, ethical and professional standards among our students and improve their overall personality.
- To produce the graduates with a solid foundation in engineering and technology and to improve their analytical and creative problem solving skills to enable them to work successfully on multi disciplinary technical areas and research.

## Courses Offered

Course	Branch	Intake
<b>Under-Graduate (B.Tech.)</b>	Computer Science & Engineering	120
	Electronics and Communication engineering	180
	Civil Engineering	180
	Mechanical Engineering	120
	Electrical & Electronics Engineering	60
	Information Technology	60
	Automobile Engineering	60
<b>Post-Graduate</b>	MBA	120
	VLSI & Embedded Systems (M.Tech.)	18
	Power Electronics (M.Tech.)	18
	Computer Science & Engineering (M.Tech.)	18
	Structural Engineering(M.Tech.)	18
	Machine Design(M.Tech.)	18





Think PLACEMENTS...  
Think PACE...

PACE on  
The New Horizons  
to Meet Globalisation

**COURSES OFFERED**

**U.G (B.Tech.)**

- CIVIL ENGINEERING
- ELECTRICAL & ELECTRONICS ENGINEERING
- MECHANICAL ENGINEERING
- ELECTRONICS & COMMUNICATION ENGINEERING
- COMPUTER SCIENCE & ENGINEERING
- INFORMATION TECHNOLOGY
- AUTOMOBILE ENGINEERING

**Polytechnic Courses**

- CIVIL ENGINEERING
- ELECTRICAL & ELECTRONICS ENGINEERING
- MECHANICAL ENGINEERING
- ELECTRONICS & COMMUNICATION ENGINEERING

**P.G Courses**

**M.Tech**

- CIVIL ENGINEERING
- ELECTRICAL & ELECTRONICS ENGINEERING
- MECHANICAL ENGINEERING
- ELECTRONICS & COMMUNICATION ENGINEERING
- COMPUTER SCIENCE & ENGINEERING

**M.B.A Specialization**

- BANKING & INSURANCE
- HR
- FINANCE
- MARKETING

**Counselling Code: PACE**



## INFRASTRUCTURE

- Modern Academic Blocks with Spacious Classrooms
- Exclusive Laboratories with Modern Equipments
- Well Equipped Computer Laboratories with High Band width
- Full-Fledged Computer Aided Language Laboratory with 120 systems
- Well Equipped Seminar Halls
- Well-Connected Transport Facilities
- 24 Hours Power Supply
- Seperate Hostel for Boys and Girls with all In-House Facilities
- Purified-Mineral Water
- Ample Opportunity to Nurture Sporting Talent
- Gym for Boys and Girls
- Auditorium
- Centers of Excellence





### Highlights of PACE

- Highly Qualified and Rich Industry Experienced Management
- Well Qualified and Research Oriented Faculty
- Industry Oriented Training Right from First Year
- Championship Programs on Industry Required Technologies
- Consistent Academic Excellence and University Ranks
- State of the Art Infrastructure
- Well Equipped Labs & Well Stocked Library
- "AA" Ranking by Career 360 Magazine
- Excellent Placement Record
- Seperate On Campus A/C & Non A/C Hostels for Boys and Girls
- Wi-Fi Internet Facility at College & Hostel and e - Gov Campus
- TCS ION Center and Industry Institute Interaction



- GATE • AI EEE • IBPS
- CAT • CBSE • SBI



## Training and Placements

Training & Placement Department has an important role to play in students future and remains an indispensable pillar of the Institute. This department continuously strives to help students in pursuing their career goals by acquiring employment-seeking skills and ultimately to attain desired employment. This is accomplished through building a strong partnership among students, alumni, faculty members and industries.

PACE follows centralized placement activity which gives each branch equal opportunity to grow for sustained excellence in career through training & placement.



### SALIENT FEATURES

- Dedicated Team of Faculty Members
- Fully Equipped Communication and Internet Laboratory
- Interaction with Corporate Personalities
- Regular Guest Lectures by Experts from Renowned IT and Core Industries
- Experience Sharing by Alumni

### MAJOR ACTIVITIES

- Programmes for Confidence Building through External Experts
- Regular Aptitude Tests
- Group Discussions
- Mock Interviews
- Soft Skill Development Programmes
- Career Counselling
- Students Mentoring
- Personality Development Programmes
- Technical Concept Discussions
- News Paper Discussions
- Paper Presentations
- Role Plays
- Case Study Discussions in all Technical areas
- Job Mela
- On & Off Campus Drives

Our  
STUDENTS PLACED IN



**Your quest for Talent ends at PACE...**

**PACE is Your Answer To A Rewarding Career**  
**The OutStaNdErS**

“We begin training programmes with the end in mind. The objective of the college is to provide 100% placements to all the eligible candidates. The training and placements cell organizes training programmes by inviting eminent experts for honing the employability skills of the students and also organizes 'on campus' and 'off campus' drives by bringing reputed companies for providing jobs. Most of the students availed the opportunities and secured good placements with a good 'pay package'.”

Name	Company	Program
Chaitanya A.V	Cognizant	B.Tech CSE - 2010-14
Navya M	TechMahindra	B.Tech Civil - 2010-14
Gurram Sankarshi	TechMahindra	B.Tech CSE - 2010-14
Sai Kamal	Congruent	B.Tech ECE - 2010-14
P. Sai Anandhep	Infosys	B.Tech ECE - 2010-14
Sriyani Adusumalli	Infosys	B.Tech CSE 2010-14
Anulya Chebralu	Cognizant	B.Tech ECE - 2010-14
Avinash S	Infosys	B.Tech CSE 2010-14
Anil Kallagutta	Cognizant	B.Tech ECE 2011-14
Lakshmi Durga V	Miracle Technologies	B.Tech CSE 2010-14



## PLACED STUDENT'S Expressions



Opinion  
trigger

“Throughout my life, I will rejoice the memories of time spent and wide exposure that I got at PACE College which helped me in grooming my personality. Under highly competitive environment I got opportunities to participate in various co-curricular activities that improved my self-confidence as well as strong conviction.”

**Sravani.A, CSE, Batch of 2014**

“PACE College is undoubtedly the best. I have learnt a lot in a short span of time and still learning very comprehensive, straight-forward and instructive programs. The College is providing me much better understanding of all the different inter-related applied technical principles.”

**Chaitanya.A, CSE, Batch of 2014**

“Within four years of stay at PACE what I gained aside from academic qualifications was immeasurable knowledge, improved competences, lifelong friendships and the confidence to develop my future career. All this wrapped up in a learning experience, and that is what my college gifted me.”

**SaiAnudeep.P, ECE, Batch of 2014**

“I do admire my decision to choose PACE College. I have been introduced with such opportunities which helped me to show my team spirit, dexterity and it aided me to get rid of my stage fear. Leveraging these principles in my life I am presently working as a Product Development Engineer with Cadence Design Systems - India's leading Core Company.”

**Y.AppaRao, ECE, Batch of 2013**



## Corporate Pen

“Heart felt thanks PACE.

Its my pleasure being here with you today and looking forward to have long term relation with PACE,”

Manjunath Jayaram  
COO, Nanocell Technologies, Bangalore.

Opinion  
trigger

“It is a privilege to be here and invited for

such a noble cause. I shall endeavor to extend whatever possible with in my capacity, to assist and contribute towards aspirations and goals of the Students, Faculty and Management.”

SubbaRaju Percherla  
Director - HR, Infosage Systems, Hyd.



“It was a pleasure interacting with the students

of PACE during my visit to your Institute. The participation and enthusiasm shown by your students was a delight. We are also impressed by the infrastructure the Institute provides and feel that this will go a long way in enabling your students to be great future Technocrats. We wish the Institute all the best”.

Arumugam T  
Head HR, Yamaha Motor Electronics India Pvt Ltd., Chennai.

“The students are of good standard in Tech as

well as Comm skills and we would like to keep coming back every year.”

Maria Antony  
HR-Learning & Development, EIG Equipments, Coimbatore.

“Whole heartily I am putting my words.

Had a marvelous experience at PACE. I certainly visit college for further prospects.”

Joseph Naidu  
Head HR - Aliens Group, Hyd.

## Library - House of Knowledge



### Knowledge Accumulation

Library is the Store House of Knowledge. Our PACE Library is spacious with modern equipped furniture of all comforts. Our PACE Library fully automated with huge collection of books related for all branches of both Graduation & Post Graduation to fulfill the needs and targets of staff and students. Our Library collection is beyond AICTE norms with respective the volumes and titles.

We have National & International Journals for academic and co-academic enhancement. e-Journals update the students with updated knowledge and benefit them to emerging trends in technology.



## Digital Library - A Modern Source



Our PACE Digital Library is equipped with latest version computers systems with Hi-Bandwidth Internet facility enabling the students to browse e-Journals from National & International Organizations. Provide extra added source of knowledge Also we collaborated with IEEE organizations from which we can access and download 6,000 of e-journals and Research Papers and also e-books. We are also having huge database contains NPTEL, Stanford, MIT Videos & Power Point Presentations from leading institutes across the globe.



PACE..... at a Glance

## Co-Curriculum & Extra Curriculum



PACE organises National Level Cultural Fest "SRUJANA", which offers wide scope of opportunities to develop closer interaction with other colleges. It also encourages students to organise several co-curricular and extra curricular activities like: Group Discussions, Debates, Elouction, Seminars, Skits, Plays, Games, Sports Meets, Quiz, Cultural Meets and so on. These activities help them to improve communication skills, develop the right kind of attitude and outlook and build on the leadership qualities, ability to work in a high-pressure environment and manage stress well. These activities help them emerge as team players by refining interpersonal skill. The results is the overall personality development of the students who leave the campus ready to face the grim competition in the outside world.

## Department of **PHYSICAL EDUCATION**



### **Sports & Games**

The Soul of **Refreshment**

PACE emphasis on the need to strike a balance between classroom and out-of-classroom life. Students are encouraged to excel themselves in the discipline of Sports & Games and stand as tough competitors in District & National Levels with a belief "only study, no play makes jack a dull boy". PACE provides equal importance to Sports & Games along with academia.



- **District Eenadu Championship winners...2014**
- **JNTUK Zone 'D' Runners...2014**
- **Cricket One Lakh Prize Winners...2014**

## PACE in to Multi Walks



### HELPING HANDS OF PACE

Helping hands is a voluntary organization started by the B.Tech students of PACE to help the underprivileged. Recently the organization has donated Rs. 10,000/- for the operation of a kid, who is suffering from a dreadful disease.

### ENTREPRENEURSHIP CELL

The Entrepreneurship Development Cell of PACE aims at helping the budding engineers of the institution realize their dreams of establishing their own start-ups. It helps them in conceptualizing and executing their plans by fine-tuning their strategy and bring them on platform where they can interact with the industry and hence further hone their enterprising skills.



### NSS

The NSS wing of PACE undertakes activities such as blood donation, tree plantation, campus cleaning, collection of donations for the people affected in disaster.

### Literary Club

A voluntary club started by the students to hone their English Language Communications Skills under the guidance of the Department of the English to enhance their performance and to gain a winning-edge ability over their competitors.



### Abroad Studies Guidance Cell

It enables the students to pursue an international education that best meets their career aspirations in a safe and conducive environment for study.



### RAGGING IS STRICTLY PROHIBITED...





## Unique Elements

- PACE conducts communication skill classes to train the students in language areas.
- PACE organizes personality developing programmes to help the students in imbining self confidence, self esteem and leadership qualities.
- PACE Technical tours and industrial visits provides exposure to the practical skills and applications of subject in the respective domain.
- Career development programmes as a part of regular curriculum, help the students to prepare for competitive exams like GATE, IES, GMAT, GRE etc.
- PACE organizes Conferences and seminars, involving eminent personalities from academic organizations to sharpen the subject knowledge of the students.
- PACE Entrepreneurship development programmes develop the students as talented entrepreneurs and skilled technocrats.

### Personality Development Programmes

PACE not only trains the students but also their minds.

We organize training programs by inviting eminent persons like Prof.K. Nageswer, Graduates' MLC, Dr. B. V .Pattabhiram, an eminent personality developer M.Naga Prasad, Yuvaraj Motivators and others to develop the personalities of the students so as to make them capable of journeying on 'the road best travelled'. We help the student develop good habits, character, integrity traits, regimens for developing 'a leader's mind set' to lead and succeed in the best and the worst of times. In this new knowledge era, the power of knowledge is immense and language skill is a key that unlocks that door. We refine their language skill too.



### Women Empowerment Cell

The Women Empowerment Cell organizes Women's Day Programmes awarding the girls students on gender crimes and laws that protect them against such crimes.

It also conducts regular counselling classes with respect to attitude building and personality development. The cell encourages to a serious life and career planning with high dreams.

### Research and Development

Research is the bedrock for the development of science and knowledge. A research and development cell has been set up to enable the faculty and the students to embark on new research programmes and projects.

The cell designs the programmes to develop creative thinking and the ability to see beyond the obvious.



## Hostel Equals Home



We provide distinctive provision and facilities for students coming from faraway places in the form of hostel accommodation. To create a home away from home, no stones are left unturned to make the stay comfy and cozy, keeping the requirements of student in mind there are separate hostel conveniences for boys and girls. It combines the warmth of home with the comforts of hostel, an epitome of excellence, expertise and efficacy. Moving away from home to study is an exciting time in life. There are new friends to be made, new places to discover, new potentials to be explored. The congenial atmosphere of the entire campus of the Hostels is conducive to the establishment of a true academic community with full opportunity for social, cultural and intellectual development. Each & Every possible kind of assistance is given to the individual student to adjust himself effectively to all the aspects of college life.

## Source of Fitness - Gym



Hostel also provides a common room with recreational facilities like indoor games, with complete power back up. The facility of laundry & guest room, Wi-Fi Connectivity, Dinning Hall, Gymnasium etc are available for hostlers.

## Cafeteria

The Cafeteria caters all the needs of the students as it serves fresh, sizzling and hygienic feast with an array of eatables and beverages. The menu has been designed scrupulously to pre-eminent accord to the needs and tang of the students. It is capacious & comfortable, wherein students could easily unwind & enjoy multi-cuisines at affordable prices.



## Transportation



The Institute has its own fleet of ultra modern luxury buses for students from all the adjacent areas Uppugunduru, Naguluppalapadu, Kandukuru, Singarayakonda, Tangutur, Addanki, Medarametla, Maddipadu, Chimakurthy, S.N.Padu, Pernamitta, Ongole, Kothapathnam, Ulavapadu, Kondepi to college etc. Transport facility is also provided to **hostlers** for outing purpose.



## ANTI-RAGGING POLICY

PACE Institute has a zero tolerance approach towards ragging. Ragging in any form is absolutely banned in the institution and hostels. The Institution follows the Supreme Court Directives and A.P Govt., Ordinance for Ragging. Anyone indulging in ragging is liable to be punished appropriately, including expulsion from the college and / or imprisonment upto 3 years and / or fine upto Rs. 25,000/- or both as per the guidelines.




















**INFRASTRUCTURE:**

<b>Main Block</b>	 A large, multi-story building with a yellow and orange facade, featuring many windows and a central entrance. A sign with the word 'PACE' is visible on the right side of the building.
<b>Automobile Engineering Block</b>	 A multi-story building with a yellow and pink facade, featuring many windows. A sign with the word 'PACE' is visible on the right side of the building.
<b>Civil Engineering Block</b>	 A multi-story building with a yellow and pink facade, featuring many windows. A sign with the word 'PACE' is visible on the right side of the building.
<b>Central Library</b>	 A multi-story building with a yellow and red facade, featuring many windows and a central entrance. A sign with the word 'PACE' is visible on the right side of the building.



<b>Library</b>		
<b>Digital Library</b>		
<b>Laboratories</b>		
		
		
		

<b>Laboratories</b>		
		
		
		
		
		
<b>Seminar Hall</b>		



<b>Dining Hall &amp; Canteen</b>		
<b>Transport</b>		
<b>Generators</b>		
<b>Water Purification Plant</b>		
<b>Hostels</b>		

<p><b>Extra Curricular Activities</b></p>		
		
		
		
		

## SWOT ANALYSIS

### Strengths (S):

1. PG programmes in major departments.
2. Excellent facilities and achievements in the field of co curricular and extracurricular activities.
3. Staff appraisal and reward system, motivational incentives for students and faculty.
4. Qualified, committed & experienced faculty.
5. Well-equipped laboratories with excellent infrastructure, Digital Library, AC Seminar Halls, Girls Hostel and Boys Hostel.
6. Campus located at NH - 5 in a salubrious atmosphere.

### Weaknesses (W):

1. Improve Institution - Industry interaction, consultancy & applied research.
2. Students hail mainly from rural background with lack of communication skills.
3. A Few number of Ph. D. holders in each department.

### Opportunities (O):

1. Opportunity for corporate training, consultancy and placements.
2. To acquire NAAC & NBA Accreditation.
3. Networking with premier institutes & Industry for advanced, applied research & academic interaction through MOUs.
4. Alumni Networking for Academic and placement activities.
5. Business Incubators in collaboration with local industries are yet to be initiated.
6. Global demand for technical manpower is ever growing.

### Threats (T):

1. Financial hurdles because of irregular reimbursement of fee from the government.
2. Attrition of faculty in high-demand areas to industry/other institutes/foreign universities.
3. Mushrooming of new engineering colleges in the state leading to migration of experienced faculty.



# PART-B

# INSTITUTE PROFILE





## 1. Profile of the Affiliated / Constituent College

### 1. Name and Address of the College:

Name: **PACE INSTITUTE OF TECHNOLOGY & SCIENCES**

Address: NH – 5, Near Valluramma Temple, Vallur

City: Ongole District: Prakasam Pin: 523 272 State: Andhra Pradesh

Website: [www.pace.ac.in](http://www.pace.ac.in)

### 2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. C.V. Subba Rao	O: 08952-278315	9703020577 9985917675	08592-278315	principal@pace.ac.in
Vice Principal	Dr. Y. Sessa Rao	O: 08952-278315	9581456544	08592-278315	mechhod@pace.ac.in
Steering Committee Coordinator	K.Ramesh Babu	O: 08952-278315	9581456543	08592-278315	eeehod@pace.ac.in

### 3. Status of the Institution:

**Affiliated College**

☒

Constituent College

☐

Any other (specify)

☐

### 4. Type of Institution:

a. By Gender

i. For Men

☐

ii. For Women

☐

**iii. Co-education**

☒

b. By Shift

i. **Regular**

☒

ii. Day

☐

iii. Evening

☐

**5. Is it a recognized minority institution?**

Yes

☐

No

☒

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

**6. Sources of funding:**

Government

☐

Grant-in-aid

☐**Self-financing**☒

Any other

☐**7. a. Date of establishment of the college: 19/06/2008 (dd/mm/yyyy)****b. University to which the college is affiliated /or which governs the college (If it is a constituent college)**

Jawaharlal Nehru Technological University Kakinada, Kakinada

(Copy of the letter is enclosed)

**c. Details of UGC recognition:**

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

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

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
AICTE – Act-1987	F.No. South-Central/1- 2454913736/2015/EOA	07-04-2015	1 Year	----

(Copy of AICTE extension of approval for the academic year 2015-16 is enclosed)

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

Yes ☐ No ☐

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

Yes ☐ No ☒

9. Is the college recognized?

a. by UGC as a College with Potential for Excellence (CPE)?

Yes ☐ No ☒

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

b. for its performance by any other governmental agency?

Yes ☐ No ☒

If yes, Name of the agency ..... and Date of recognition: ..... (dd/mm/yyyy)

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

Location *	Rural
Campus area in sq. mts.	10.17 acres
Built up area in sq. mts.	20393 sq.mts

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

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

Auditorium / seminar complex with infrastructural facilities: ☐

Sports facilities

Playground ☒

Swimming pool ☒

Gymnasium ☒

**HOSTELS****Boys' hostel**

- i. Number of hostels: 01
- ii. Number of inmates: 400
- iii. Facilities: Cots, study table, TV room, Daily News papers, Indoor games facilities, Hot water, Gym, Internet- Wi fi and well furnished dining hall.

**Girls' hostel**

- i. Number of hostels : 01
- ii. Number of inmates: 350
- iii. Facilities (mention available facilities): Cots, study table, TV room, Daily News papers, Indoor games facilities, Hot water, Internet- Wi fi and well furnished dining hall

**Working women's hostel**

- i. Number of inmates : Nil
- ii. Facilities : --

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

**Cafeteria**☒**Health centre**☒

Facilities: First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.

**Health centre staff**

Qualified doctor:	Full time	<input type="checkbox"/>	Part-time	<input checked="" type="checkbox"/>
Qualified Nurse:	Full time	<input checked="" type="checkbox"/>	Part-time	<input type="checkbox"/>

Facilities like banking, post office, book shops: **Post Office & Book Shop**

Transport facilities to cater to the needs of students and staff:

**College Buses & 14 No.s**

Animal house: **No**

Biological waste disposal: **No**

Generator or other facility for management/regulation of electricity and voltage:

**Yes, Available**

Solid waste management facility: **Yes**

Waste water management: **Yes**

Water harvesting: **Yes**

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

S. No.	Programme Level	Name of the Programme/ Course	Duration in years	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted 2014-15
1	Under-Graduate (B.Tech.)	Computer Science & Engineering	4	Intermediate	English	120	120
2		Electronics & Communication Engineering	4	Intermediate	English	180	173
3		Civil Engineering	4	Intermediate	English	180	179
4		Mechanical Engineering	4	Intermediate	English	120	119
5		Electrical & Electronics Engineering	4	Intermediate	English	60	56
6		Information Technology	4	Intermediate	English	60	57
7		Automobile Engineering	4	Intermediate	English	60	57
8	Post-Graduate	Master of Business Administration	2	Degree	English	180	160
9	Post-Graduate (M.Tech.)	VLSI & Embedded Systems	2	B.Tech	English	18	18
10		Power Electronics	2	B.Tech	English	18	16
11		Computer Science & Engineering	2	B.Tech	English	18	18
12		Structural Engineering.	2	B.Tech	English	18	18
13		Machine Design	2	B.Tech	English	18	16

**13. Does the college offer self-financed Programmes?**

Yes

☐

No

☐

If yes, how many?

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

Yes		No		Number	7
-----	--	----	--	--------	---

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

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Business Administration	MBA	--		--
Engineering	Computer Science & Engineering			--
	Electronics and Communication Engineering			--
	Civil Engineering			--
	Mechanical Engineering			--
	Electrical & Electronics Engineering			--
	Information Technology		--	--
	Automobile Engineering		--	--

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

a. annual system

b. semester system

03 (B.Tech., M.Tech. & MBA)

c. trimester system

**17. Number of Programmes with**

a. Choice Based Credit System: No

b. Inter/Multidisciplinary Approach: No

c. Any other (specify and provide details): No

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

Yes ☐ No ☒

a. Year of Introduction of the programme(s).....  
(dd/mm/yyyy) and number of batches that completed the  
programme

b. NCTE recognition details (if applicable)  
Notification No.: .....Date: ...d/mm/yyyy)  
Validity:.....

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

Yes ☐ No ☒

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

Yes ☐ No ☐

If yes,

a. Year of Introduction of the programme(s)..... (dd/mm/yyyy)  
and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No.: .....

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

Validity:.....

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

Yes ☐ No ☐

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

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the Management/ society or other	15	-	31	05	92	51	40	09	34	05
Recruited	14	-	31	05	93	51	38	06	30	05
Yet to recruit	01	-	-	-	-	-	02	03	04	-

\*M-Male \*F-Female

**21. Qualifications of the teaching staff:**

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	12	-	01	-	-	-	13
M. Phil.	-	-	-	-	-	-	-
PG	02	-	31	05	82	38	158
UG	-	-	-	-	09	10	19

**22. Number of Visiting Faculty/Guest Faculty engaged with the college.**

Nil

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

Categories	Year 1 2014-15		Year 2 2013-14		Year 3 2012-13		Year 4 2011-12	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	138	60	94	38	35	03	46	10
ST	07	03	05	05	02	01	02	01
OBC	186	56	156	51	87	22	90	22
General	158	107	147	128	210	107	167	91
Others	35	11	30	13	13	03	10	03



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

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	736	243	-	-	779
Students from other states of India	25	3	-	-	6
NRI students	-	-	-	-	-
Foreign students	-	-	-	-	-
Total	761	246			785

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

UG  PG

**26. Unit Cost of Education**

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

(a) including the salary component

(b) excluding the salary component

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

Yes  No

If yes,

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

Yes  No

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

c) Number of programmes offered

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

Yes  No

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

Program	Course	Faculty : Student Ratio
B. Tech.	Electrical and Electronics Engineering	1:15
	Mechanical Engineering	1:15
	Electronics and Communication Engineering	1:15
	Computer Science and Engineering	1:15
	Information & Technology	1:15
	Automobile Engineering	1:15
	CIVIL Engineering	1:15
I B. Tech.	Science & Humanities	1:15
P.G. MBA	Master of Business Administration	1:15
P.G. – M. Tech.	Computer Science & Engineering	1:12
	VLSI & Embedded Systems	1:12
	Power Electronics	1:12
	Structural Engineering	1:12
	Machine Design	1:12

**29. Is the college applying for**

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

Re-Assessment: ☐

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

**30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only): Not Applicable**

Cycle 1: .....(dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 2: ..... (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 3: ..... (dd/mm/yyyy) Accreditation Outcome/Result.....

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

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

252

**32. Number of teaching days during the last academic year**  
*(Teaching days means days on which lectures were engaged excluding the examination days)*

192

**33. Date of establishment of Internal Quality Assurance Cell (IQAC)**  
**IQAC: 04/05/2014** (dd/mm/yyyy)

**34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC: Not applicable**

AQAR (i) ..... (dd/mm/yyyy)

AQAR (ii) ..... (dd/mm/yyyy)

AQAR (iii) ..... (dd/mm/yyyy)

AQAR (iv) ..... (dd/mm/yyyy)

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

**Excellence Centers**

IBM SEED

Cloud Computing

Big Data

MOBILE COMPUTING

@go!campus

UNISYS

CAREER360 ENGINEERING

**Highlights of PACE**

- Highly Qualified and Rich Industry Experienced Management
- Well Qualified and Research Oriented Faculty
- Industry Oriented Training Right from First Year
- Championship Programs on Industry Required Technologies
- Consistent Academic Excellence and University Ranks
- State of the Art Infrastructure
- Well Equipped Labs & Well Stocked Library
- "AA" Ranking by Career 360 Magazine
- Excellent Placement Record
- Separate On Campus A/C & Non A/C Hostels for Boys and Girls
- Wi-Fi Internet Facility at College & Hostel and e - Gov Campus
- TCS ION Center and Industry Institute Interaction

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7



PART – C

CRITERIA-WISE  
EVALUATION REPORT



## CRITERION – I

### CURRICULAR ASPECTS

#### 1.1 Curriculum Planning and Implementation

##### 1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

**Vision:**

To impart futuristic technical education transforming the students technically superior, ethically strong, self disciplined to serve the nation as a valuable resource.

**Mission:**

To impart quality education by providing outstanding technical resources, cutting edge technologies, professional skills and special training by experts from leading industry and institution and encourage the students to participate in the conferences, seminars, workshops and social activities through NSS, IETE, etc. The institute is committed to encourage creativity critical thinking, exposure to industry and to create self discipline, sensitivity towards society and respect for the environment.

**Quality policy:**

The PACE is engaged in providing quality technical education towards achieving high standards of teaching, training and development of human resources by encouraging the faculty and staff to work as a team and to update their knowledge and skills continuously to match the needs of the industry.

**Objectives:**

- To train the students to meet the challenges in the industry and society.
- To transform our students into world class technical professionals with good communication skills.
- To inculcate high moral, ethical and professional standards among our students and improve their overall personality.
- To produce the graduates with a solid foundation in engineering and technology and to improve their analytical and creative problem solving skills to enable them to work successfully on multi disciplinary technical areas and research.

The vision, mission and objectives of the college are engraved and displayed in important locations within the premises which help in communication of the same to the stakeholders



<b>Details of the location of display:</b>	<b>Details of dissemination:</b>
<ol style="list-style-type: none"> <li>1. Principal chamber</li> <li>2. HOD Room</li> <li>3. College Reception</li> <li>4. Department staff rooms</li> <li>5. Department notice boards</li> <li>6. College canteen</li> <li>7. Library</li> <li>8. Hostels</li> </ol>	<ol style="list-style-type: none"> <li>1. Broacher</li> <li>2. College Website</li> <li>3. Through electronic &amp; Print media</li> <li>4. Parents meet</li> <li>5. Alumni meet</li> </ol>

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

- The institute develops action plans for effective implementation of the curriculum.
- The college academic committee prepares detailed academic calendar based on university provided academic calendar.
- The faculty members prepare course files and lesson plans for each subject and develop manuals for all labs and these are periodically audited and modified with new developments in the field of technology.

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



Phone: Off: 0884-2300991  
Mobile : +91 9618745555

**Directorate of Academics and Planning**  
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA**  
**KAKINADA-533003, Andhra Pradesh (India)**

Lr. No. JNTUK/DAP/I Year/Aca.Cal/2014-15.

Dated: 20-08-2014

**Prof. P.Udaya Bhaskar**  
**B.Tech, M.Tech, Ph.D.**  
**Professor of Civil Engineering &**  
**Director**

To  
The Principals of Affiliated Colleges  
JNTUK, Kakinada.

**ACADEMIC CALENDARS FOR THE STUDENTS ADMITTED IN THE ACADEMIC YEAR**  
**2013-14 B.TECH /B.PHARM II YEAR -I & II SEMESTER.**

<b>B.TECH/B.PHARM II YEAR (2013 Admitted Batch) I Semester</b>			
<b>Description</b>	<b>From</b>	<b>To</b>	<b>Weeks</b>
<b>Commencement of Class Work</b>	25-08-2014		
I Unit of Instructions	25-08-2014	18-10-2014	8W
I Mid Examinations	13-10-2014	18-10-2014 *	1W
II Unit of Instruction	20-10-2014	13-12-2014	8W
II Mid Examinations	08-12-2014	13-12-2014 *	1W
Preparation & Practical's	15-12-2014	20-12-2014	1W
End Examinations	22-12-2014	05-01-2015	2W
<b>Commencement of Class Work</b>	<b>19-01-2015</b>		
<b>B.TECH/B.PHARM II YEAR (2013 Admitted Batch) II Semester</b>			
<b>Commencement of Class Work</b>	19-01-2015		-
I Unit of Instructions	19-01-2015	14-03-2015	8W
I Mid Examinations	09-03-2015	14-03-2015*	1W
II Unit of Instruction	16-03-2015	09-05-2015	8W
II Mid Examinations	04-05-2015	09-05-2015*	1W
Preparation & Practicals	11-05-2015	16-05-2015	1W
End Examinations	18-05-2015	30-05-2015	2W

\* Mid Examinations are to be conducted without effecting the regular class work.

**Director Academics and Planning (DAP)**  
**JNTUK Kakinada**

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

**PACE INSTITUTE OF TECHNOLOGY AND SCIENCES::ONGOLE**  
**COLLEGE ACADEMIC CALANDER**

Commencement of class work for III B.Tech. II Sem.: 19-01-2015

<b>B.Tech. III YEAR II Sem.</b>			
<b>Description</b>	<b>From</b>	<b>To</b>	<b>Weeks</b>
Commencement of Class Work	19-01-2015		-
I Unit of Instructions	19-01-2015	14-03-2015	8W
I Mid Examinations	09-03-2015	14-03-2015	1W
II Unit of Instruction	16-03-2015	09-05-2015	8W
II Mid Examinations	04-05-2015	09-05-2015	1W
Preparation & Practical's	11-05-2015	23-05-2015	2W
End Examinations	25-05-2015	06-06-2015	2W
Commencement of Class Work	29-06-2015		

\* Mid Examinations are to be conducted without effecting the regular class work

Week No	Date		No. Of Working Days	Reports to be submitted	Target Date
	From	To			
1	19-01-2015	24-01-2015	6	Monthly Attendance and Syllabus completion report up to 14-02-2015 Students counseling	On or before 17-02-2015
2	26-01-2015	31-01-2015	5		
3	02-02-2015	07-02-2015	6		
4	09-02-2015	14-02-2015	6		
5	16-02-2015	21-02-2015	5	Monthly Attendance and Syllabus completion report up to 14-03-2015 Students counseling	On or before 17-03-2015
6	23-02-2015	28-02-2015	6		
7	02-03-2015	07-03-2015	6		
8	09-03-2015	14-03-2015	6		
9	09-03-2015	14-03-2015	I – Mid. & Online Exams	Submission of absentee statement and Result analysis	On or before 18-03-2015
10	16-03-2015	21-03-2015	5	Monthly Attendance and Syllabus completion report up to 11-04-2015 Students counseling	On or before 15-04-2015
11	23-03-2015	28-03-2015	5		
12	30-03-2015	04-04-2015	5		
13	06-04-2015	11-04-2015	6		
14	13-04-2015	18-04-2015	6	Monthly Attendance and Syllabus completion report up to 09-05-2015 Students counseling	On or before 12-05-2015
15	20-04-2015	25-04-2015	6		
16	27-04-2015	02-05-2015	6		
17	04-05-2015	09-05-2015	6		
18	04-05-2015	09-05-2015	II – Mid. & Online Exams	Submission of absentee statement and Result analysis	On or before 13-05-2015
Submission of all Academic documents maintained by faculty					15-05-2015

Total No. of working days: 91

Excepted Total No. of periods per subject: 60

## Unit Wise Schedule for III B.Tech. II Sem. Theory Subjects

Unit No	Date		No. of Periods
	From	To	
1	19-01-2015	31-01-2015	7
2	02-02-2015	14-02-2015	8
3	16-02-2015	28-02-2015	8
4	02-03-2015	14-03-2015	8
5	16-03-2015	28-03-2015	7
6	30-03-2015	11-04-2015	7
7	13-04-2015	25-04-2015	8
8	27-04-2015	09-05-2015	8

- Based on the college academic calendar the HOD allots subjects to the faculty.
- For effective implementation, class time tables are prepared for all years.
- The laboratory equipment and college infrastructure are being regularly upgraded according to the changes in curriculum.
- The Head of Department takes feedback from students on faculty twice in a semester .
- As far as laboratory classes concerned lab in charges prepares Lab manuals and distributed to the students.
- Faculty members are encouraged to impart the curriculum through innovative teaching methods such as power point presentations, discussions, assignments.
- The Head of Department takes syllabus coverage in every month to monitor and to implement curriculum effectively
- The departments arrange Guest lectures, workshops, seminars and industrial visits besides regular/traditional teaching Practices.

**PACE INSTITUTE OF TECHNOLOGY & SCIENCES-ONGOLE**  
**DEPARTMENT OF ECE**  
**ACADEMIC YEAR 2014-2015**  
**TIME TABLE**

III B.Tech. II-Sem.

Section: A

Day	I 8:00- 10:00	I N T E R V A L	II 10:10-11:10	III 11:20-12:10	L U N C H B R E A K	IV 1:00-2:00	I N T E R V A L	V 2:10-3:10	VI 3:20-4:10	VII 4:15-5:15
MON	DSP		VLSI	MS		MWE		MPMC	CN	INTERNET
TUE	MS		MWE	CN		DSP		SCAD LAB		S & C
WED	VLSI		MPMC	MWE		CN		MS	DSP	LAB
THU	MWE		DSP	VLSI		MPMC		MPMC LAB		SEMINAR
FRI	CN		MPMC	DSP		VLSI		MWE	SPSP-1	DAC
SAT	MPMC		VLSI	DSP		MS		CN	MWE	C&T

SUBJECT	NAME OF THE FACULTY	Mobile No.
Microwave Engineering (MWE)	Mr. G.V. Ravi Kumar	9940000958
Very Large Scale Integration (VLSI)	Mr. N. Prakash Babu	9990009099
Microprocessors & Microcontrollers (MPMC)	Mr. G. Balasagi Reddy	9160055000
Digital Signal Processing (DSP)	Mr. B. S. Ganesh	9051798185
Computer Networks (CN)	Mr. P. Siva Krishna	9454952689
Management Science (MS)	Mr. P.Ravi Ramonjaneyulu	9955224277
SPSP-1	Mr. P.Ravi Ramonjaneyulu	9955224277
SCAD Lab	Mr. G.V. Ravi Kumar Mr. B. S. Ganesh	9940000958/ 9051798185
MPMC Lab	Mr. P. Siva Krishna / Sk. Ayazha	9454952689 / 9990010957
Internet Center	K. Naga raja	9840022648
Seminar	Mr. P. Siva Krishna	9454952689
Sports & Games (S&C)	Mr. K. Sundaraj	9032194885
Department Association Activities (DAC)	Mr. T. Ramkish	9878577515
Counselling & Remedial (C&T)	Mr. K. Bhanish Kumar	9491282508

*[Signature]*  
 HEAD OF THE DEPARTMENT

*[Signature]*  
 HOD



**SYLLABUS COVERAGE - MONITORING**  
 ACADEMIC YEAR: 2014-15 SEMESTER: II

DEPARTMENT OF ECE  
 Class: III B.Tech ECE A

8.2.10/2014/ECFT/1/8ADMRC  
 DATE: 14/07/15

S.No	Subject Name	Faculty Name	No. of Units to be completed	No. of Units completed	No. of Classes taken	No. of Extra classes required	Faculty Sign
1	Microwave Engineering (MWE)	Mr. G.V. Ravi Kumar	2	1-6	15	3	
2	Very Large Scale Integration (VLSI)	Mr. N. Prakash Babu	2	1-2	11	4	
3	Microprocessors & Microcontrollers (MPMC)	Mr. G. Balasagi Reddy	2	08	6	7	
4	Digital Signal Processing (DSP)	Mr. B.S. Ganesh	2	1-6	16	14	
5	Computer Networks (CN)	Mr. P. Siva Krishna	2	1-5	13	2	
6	Management Science (MS)	Mr. P.Ravi Ramonjaneyulu	2	1-0	10	2	

*[Signature]*  
 HEAD OF THE DEPARTMENT

*[Signature]*  
 PRINCIPAL

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

**Procedural and practical support that the teachers receive from the University.**

- The university conducts Faculty Development Programs, workshops and short term courses on different subjects for effective implementation of curriculum and improving teaching practices.
- The JNTUK University has centre of excellence for e-resource development and deployment for faculty and students to improve knowledge on updated technical skills ([www.jntuk-coeerd.in](http://www.jntuk-coeerd.in)).

**Procedural and practical support that the teachers receive from the institution.**

- All the departments are facilitated with Internet, LCD Projectors, Charts, models etc. to promote better teaching.
- The college encourages the departments to organize workshops, seminars, Faculty Development Programs and Conferences.
- The college encourages faculty members to attend workshops, seminars, conferences and Faculty Development Programs at other institutions by providing Academic leaves.
- The College encourages the departments to have lectures on research methodologies by eminent academicians to promote research activities in the departments and also to enrich their delivery of curriculum incorporating research aspects of the subjects.
- As per the faculty members requirement, the College library procures text books, various journals and technical magazines to provide effective tool for the instruction delivery.
- The library procures the video lectures of eminent professors on various subjects and will be made available in the central and department libraries for the use of faculty.
- The advanced Labs like Cloud Computing, Big Data, Power converters and drives, CAD/CAM and Embedded Systems are provided in the college to promote research among the faculty members and also to strengthen the curriculum delivery.

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

- As per the University Academic calendar, faculty members prepare Lesson Plan for their allotted subjects.
- College provides teaching aids like LCD projectors and AV class rooms for delivering the subject as planned in the lesson plan.
- The faculty members design experiments as prescribed by the university to conduct in the laboratory and also additional experiments are added to relate the curricular subjects to make the students

- understand the concepts easily.
- Bridge courses are conducted wherever necessary to enable the students to follow the curricular subjects without any difficulty.
- The Departments conduct workshops on latest technologies relating the curricular subjects with the industry.
- Departments conduct various activities like Group discussions, Power point Presentations, seminars and quiz programs to develop knowledge among the students.
- College library facilitates Video Lectures delivered by eminent Professors from IITs, NITs through NPTEL and encourages the students to make use of these lectures for better understanding of the various concepts.
- The College organizes expert lectures on various subjects by inviting faculty from different fields to share their knowledge.
- Remedial classes are conducted for slow learners to bring them on par with the other students.
- Industrial visits are arranged by the departments of the institution to provide practical exposure to the students on the subjects of curriculum.

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

The following are various practices adopted.

##### **Industry:**

- As per the AICTE guidelines, the college governing body constituted with the members of eminent personalities from academia and industry to take and implement their valuable advices in the process of implementing the curriculum.
- The college society chairman himself is an industrialist and his active participation and guidance make us to be in real time industrial environment.
- Each department has a Department advisory committee where in one person is from industry and another person is from academia who continuously involve in the operationalization of the curriculum in an effective manner.
- Each department established network with the experts of industry and academia through professional societies and the students are getting benefited with their expert lectures and interaction.
- The college have MOUs with different organizations to upgrade students technical and practical knowledge by conducting workshops
- The departments take the help of Research bodies, Industry Interaction & Research cell and Training & Placement cell to maintain professional relations with the representatives of industry. The HR managers of various companies are being invited to the college to interact with the students and faculty to enhance their knowledge on latest developments in industry.

- The college is a member of the EWB(India), ISTE, IE and ISLE professional body through which the faculty and students get benefit by attending the conferences organized by these professional bodies.
- The institute implements curriculum as per the university guidelines.

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

The suggestions and improvements will be informed to the Board of Studies of the affiliating university through the Principal, after receiving an informal feedback from all the stake holders, for curriculum development activities.

**1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.**

The institute is affiliated to JNTUK, Kakinada and the curriculum designed and developed by the members of the Board of Studies.

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

The Institute ensures achievements of the objectives through:

- Lesson plans
- Detailed course files
- Periodic syllabus coverage
- Add on topics and additional experiments
- Periodical feedback from all the stake holders
- Workshops and Guest lectures
- Various modes of assessment are formulated by the faculty in order to ensure that the stated objectives are achieved. The students are internally assessed by the Course faculties through internal examinations conducted per semester and other assignments on their curriculum understanding



## 1.2 Academic Flexibility

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

No

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

No

### 1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability.

#### **Skill development**

- Keeping in view of the growing importance of soft skills, the college is imparting soft skills to the students' right from the first year.
- Along with regular subjects, exclusive sessions are allotted in the class time tables to impart training on aptitude, verbal, reasoning and Technical Training by external resource persons.

#### **Academic mobility**

- Industry Institute & Research cell provides training to the students in practical environment to enrich their knowledge about industrial environment and to improve the scope and chances of employability.
- Students are being encouraged to attend Personality Development programs, morals and ethics sessions organized by eminent persons in their respective fields.

#### **Progression to higher studies**

- Incubation centre provides an environment to generate innovative/creative ideas through which the students enhance their skills required for their higher studies.
- Students are encouraged for their higher studies by conducting interactive sessions by experts with the assistance of Training, Placement and Career guidance cell.
- GATE material from different publications like GK publications, Made Easy and Kannodia is made available for the students.
- The aspirants of GATE, GRE, TOEFL, CAT, GMAT etc. are being taken care by the department facilitators through counselling and guidance.
- Students are provided with the digital library - self learning facility with the e-material required for the preparation of various competitive examinations including admission tests for higher studies.

**Improved potential for employability**

- The college is conducting systematic and continuous pre-placement training programs and frequent mock tests to the students with expert trainers from external training agencies.
- The institute provided facilities to take online Assessment tests with the help of external agencies like Co-cubes, Globarena etc. which make the students self learn and to improve potentiality for employability.
- Students are encouraged to attend internship programmes in their interested domains to enhance their practical skills and to experience the industrial work environment.

**Sample List of the internship programmes:**

S. No.	Name of the company	Branch	Number of students	Period
1	VNR Infrastructures Limited, Hyderabad	CIVIL	1	2-01-2014 To 25-01-2014
2	VNR Infrastructures Limited, Hyderabad	MECH	5	2-01-2014 To 25-01-2014
3	PACE Power Systems, Bangalore	MBA	2	20-05-2013 To 4-07-2013
4	Servomax India Limited, Hyderabad	ECE	4	13-05-2013 To 12-06-2013
5	The Singareni Collieries company Limited, Kothagudem	MBA	6	3-5-2013 To 3-6-2013
6	Genesis Poweronics Pvt.Ltd, Hyderabad	EEE	6	6-05-2013 To 6-06-2013
7	Delphi-TVS, Kancheepuram	AME	2	15-05-2013 To 14-06-2013
8	HCL Technologies Limited, Chennai	MBA	4	1-11-2012 To 30-11-2012

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

No.

The institution itself is a self financed institution. The College offers the following programs. All these programs are approved by the AICTE, New Delhi and affiliating University JNTUK, Kakinada.

**Programs:****1. B. Tech.**

S. No.	Programme Name	Intake
1	Computer Science & Engineering (CSE)	120
2	Electronics and Communications Engineering (ECE)	180
3	Electrical and Electronics Engineering (EEE)	60
4	Information Technology (IT)	60
5	Mechanical Engineering (ME)	120
6	Civil Engineering(CE)	180
7	Auto Mobile Engineering	60

**2. M. Tech.**

S. No.	Course Name	Intake
1	Computer Science & Engineering (CSE)	18
2	VLSI & Embedded Systems (ECE)	18
3	Power Electronics(EEE)	18
4	Structural Engineering (CE)	18
5	Machine Design (ME)	18

**3. P.G. Courses**

S. No.	Course Name	Intake
1	Master of Business Administration (MBA)	180

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

Yes,

The college provides additional skill oriented programmes relevant to regional and global markets, they are:

- Soft skills and Communication Skills development programmes.
- Training on Aptitude, reasoning and Technical subjects.
- Workshops/Seminars/Industrial visits.

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

No. The university does not provide such flexibility.

### **1.3 Curriculum Enrichment**

#### **1.3.1 Describe the efforts made by institution to supplement the university's curriculum to ensure that the academic programs and institution's goals and objectives are integrated?**

- The college conducts workshops, seminars and in-house programs to get awareness on current industry demands.
- Guest lectures are arranged for the benefit of the students by inviting experts from various fields of specialization.
- Faculty also interact with industry and practicing professionals to update themselves with latest developments. This helps in imparting content beyond the syllabus, to cater the changing needs of the industry.
- The laboratory equipment and college infrastructure are being regularly upgraded according to the changes in curriculum.
- The students are supported by conducting group discussions, soft skills tests, aptitude tests, HR skills, resume preparation and mock interviews.
- The college aims to strengthen industry-institution partnership to enhance entrepreneurial talent. A separate Industry Interaction and Research cell is constituted in the college.
- The Faculty identifies and takes care of the gaps within the syllabus and also contents beyond the syllabus in order to achieve the Course objectives and outcomes.

#### **1.3.2 What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?**

- College is affiliated to JNTUK, curriculum is designed by the University.
- Faculty members are deputed for personality development and capacity building programmes.
- Our faculty members enrich the curriculum with their own expertise and experience, so that the students gain skills for employability that enable them to get jobs in this highly competitive world.
- The training and placement cell makes communication with the HRs of the reputed organizations to collect the updated information about the recent market trends and corporate expectations so that students can be trained according to the needs.
- Project Work, Seminar and Comprehensive Viva-Voce are made compulsory in the final semester of the programme so that the students would acquire skills to solve problems independently.

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

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

#### **Gender**

- College constituted a women empowerment cell to address the gender rights/discrimination issues.
- This cell regularly organizes seminars on women empowerment.
- No gender discrimination of students in the class rooms and in labs. Students are divided into batches containing boys and girls to do their experiments.
- During college festivals and inter college events, we send students in batches containing both boys and girls to present papers and give seminars.

#### **Environmental Education**

- As a part of curriculum all the students are studying “Environmental studies” which gives them exposure to various environmental related problems.
- The college makes arrangements for workshops and seminars where in the experts are invited to share and deliver their experiences and knowledge on rainwater harvesting, environment protection etc.
- Students are motivated to carry out “Swatch Bharath” Program to keep the environment clean and green.
- Volunteers of NSS planted saplings in campus and also involved in campus cleaning activity.

#### **Human Rights**

As part of NSS the college conducts various programs on human rights to provide awareness among students.

- Right to Education
- Freedom from Discrimination
- Right to Life, Liberty, Personal Security
- Right to Social Security
- Freedom from torture and degrading treatment
- The right to a nationality
- Anti ragging awareness program
- Right to Vote, etc.

#### **Information & Communication Technologies**

- The IT related infrastructure of our institution prepares our students to face the world with confidence.
- College supports e-learning by providing online NPTEL video material and webinars.



- Globarena E-Mentoring System (GEMS) is a high impact comprehensive learning solution to impart employability skills to upgrade student career prospects both for employment and higher education.
- The college library provides JGATE, IMF, IE and DELNET online websites for students and faculty to know the advanced technologies to improve research skills.

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

##### **Moral and ethical values**

- A separate subject on “Moral and Ethical Values” is introduced in curriculum by the affiliating University.
- Special lectures are arranged by renowned persons to inculcate moral and ethical values among students.
- The importance of moral and ethical values for professional students is highlighted in the Handbook given to the students.

##### **Employable and life skills**

- Institute conducts the programs on stress management and life skills to ensure holistic development of students.
- Several programmes on employable skills are conducted to improve the technical & soft skills of the students.
- The institute gives due importance to the co-curricular & extracurricular activities and organizes every year State level technical, cultural and Games & Sports festival for two days to develop interpersonal and decision making skills.
- Teachers day, Engineers day celebrations are grandly organized by staff and students to highlight the importance of teacher-student relationship and the role of engineers in nation building.

##### **Better career options**

- Training and Placement Cell interacts continuously with employers and identifies the new areas of knowledge in demand and new career options available and train the students to enhance employability.

##### **Community orientation**

- The college NSS team regularly organizes social camps in surrounding areas and villages to create awareness among the public community on various social, moral, ethical principles and ways of life.

#### **1.3.5 Citing a few examples enumerate on the extent of use of the feedback from Stake holders in enriching the curriculum?**

The college frequently collects the response from stake holders on curriculum. Every department has an academic coordinator to analyze these reports. The analysis results from all the departments are submitted to the principal. The Principal reviews the analysis reports and initiates interventions.

**Sample Feedback form:****FEEDBACK – ALUMNI**

- a) Name :
- b) Year of Graduation :
- c) Branch :
- d) Present Address :
- Email-ID :
- e) Present Occupation :
- f) Whether undergone higher education: Yes/No
- g) Please provide your comments on the following:
1. College Infrastructure : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  2. Effectiveness of Teaching Processes : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  3. Department Resources : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  4. Faculties helpfulness : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  5. Library Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  6. Computing and Internet Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  7. Sports, Extra Curricular Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  8. Personality/Communications Skills Development Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  9. Placement Cell : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  10. Overall rating of the College : ☐ Excellent ☐ Good ☐ Average ☐ Fair
- h) Your Positive/Negative Comments:
- i) Your suggestions for the Improvement of the Institution:

**SIGNATURE**

The inputs are obtained from the stakeholders further used to improvise the overall competency of the students for employability.

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

- The college has a transparent procedure to monitor and evaluate the quality of various enrichment programmes.
- The enrichment programs conducted by the institution are evaluated on the basis of student's results, placements and students performance in the competitive examinations, and feedback from the stake holders.
- Feedback related to teaching learning process in the classrooms is collected by each Department.

All these aspects are examined from time to time for enrichment of the programs.

## **1.4 Feedback System**

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

The contributions of the institution are

- Feedback collected from outgoing students, industry experts and faculty members with regard to curriculum and the recommendations are communicated to the university.
- Faculty members regularly attend workshops and seminars on the revision of curriculum and offer their suggestions to enrich the curriculum.
- Institute organizes orientation workshops based on revised curriculum for faculty members.

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

Yes

There are diverse mechanisms that college has developed for the continuous assessment of the curriculum.

- Analysis of the feedback from the students and Subject Experts from various fields.
- Feedback from the alumni is collected during the Alumni Meet which is held at College. The parents-teachers meeting facilitates the College to collect feedback.
- The institution takes part in the curriculum development process through appropriate analysis of feedback given by the various

stakeholders from time to time and assimilates the suggestions in the functional style of the institution.

- Feedback obtained is studied and analyzed through discussions by the Faculty in the departments of the course/subject concerned. Accordingly, necessary recommendations are communicated to the affiliating University through the head of the Institute.
- The Library resources are updated whenever curriculum changes are made and the required equipment is procured to meet the needs.

**1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes? Any other relevant information regarding curricular aspects which the college would like to include.**

The college introduced five Post graduate programs during the last four years. The details are given below.

Year	Course	Duration
2012-13	M.Tech(Computer science & Engineering)	2 years
2013-14	M.Tech(VLSI & Embedded systems)	2 years
2013-14	M.Tech (Power Electronics)	2 years
2014-15	M.Tech(Machine Design)	2 years
2014-15	M.Tech (Structural Engineering)	2 years

There has been a lot of demand for post graduate courses in different specializations of Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, and Electronics & Communication Engineering. The rationale behind introducing the above courses and their curriculum is based on demand and industry relevance.

## CRITERION – II

### TEACHING – LEARNING AND EVALUATION

#### 2.1 Student Enrollment and Profile

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

###### **Publicity in the admission process:**

Admissions are made into the college according to the guidelines framed by Andhra Pradesh State Council of Higher Education (APSCHE). Publicity to the college and the practice followed is done through the following steps:

- Advertisements are issued to project the strength of the organization in order to get meritorious students.
- The curiosity of the students to select the right institute is made easy through print and electronic media.
- Admission notification in leading newspapers for B category seats (Management/NRI quota seats) and spot admissions for all the courses is mandatory and are notified to pass on the information to the aspirants.
- Application form is made available in the college website which can be downloaded and filled in applications for B category seats can be submitted in the form of hard copy at college office or can be mailed to the college mail.

###### **Brochure & Handbook:**

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

###### **Interactive College Website:**

The College Website [www.pace.ac.in](http://www.pace.ac.in) is updated on a regular basis gives the latest updated and detailed information about the college.

###### **Transparency in the admission process:**

- The college ensures that admissions are based on the guidelines of APSCHE and utmost transparency is maintained in the entire process.
- The college follows the academic calendar, provided by the affiliating university, i.e. Jawaharlal Nehru Technological University, Kakinada, Andhra Pradesh, of events giving last date for receipt of application and relevant information pertaining to admission are provided in the application.
- The college admission is done through the counselling which is held at the Government and University level. The selection of students to the college is done through the admission committees in the counselling



centres which include a convener and a panel of experts. Thus the transparency is guaranteed and maintained all through the process from the start of the notification till the end of admission. Therefore, the access equity social justices are guaranteed through transparency and adherence to the rules.

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

**Engineering:**

- The College offers 7 Undergraduate and 6 Postgraduate professional courses.
- 70% students into these programmes are admitted through centralized admissions organized by the government (EAMCET & E-CET for UG, GATE/PGECET for M.Tech) according to the norms of AP State Council of Higher Education (APSCHE).
- The other 30% (B-category, i.e. Management/NRI) admissions are made at the college level as per the guidelines of APSCHE. Advertisements/notifications are issued in the leading regional news papers inviting applications from the eligible candidates. Application form for B- category seats provided on the college website which can be downloaded. Merit list is prepared from the applications received and the final list of selected candidates is posted on the college website and notice boards. 20% of the seats for lateral entry admissions for diploma holders into second year are made by the convener, E-CET.

**MBA:**

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

**i) A-Category (Convener Quota) admissions:**

Criteria followed

- |                                   |                      |
|-----------------------------------|----------------------|
| ➤ B.Tech (I year)                 | - EAMCET rank        |
| ➤ B.Tech (II year- Lateral Entry) | - ECET rank          |
| ➤ M.Tech                          | - GATE / PGECET rank |
| ➤ MBA                             | - ICET rank          |

**ii) B-Category (Management Quota) admissions:**

Criteria followed

- The remaining seats shall be filled on merit basis with candidates including from other States as per APSCHE/AICTE guidelines.
- The seats remaining unfilled from the above shall be filled with eligible candidates on merit basis following eligibility criteria laid

down in rule (4) of G.O.Ms.No.74.

- Thereafter, if any seats still remain unfilled such seats may be filled on merit basis with candidates securing not less than 45% (40% in case of candidates belonging to reserved categories) in the prescribed group subjects taken together/aggregate marks in the qualifying examination. All affiliated colleges are governed by the admission procedures and guidelines prescribed by the APSCHE, Government of Andhra Pradesh.

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

**Program Mode of Selection:**

For all B.Tech. branches

- A-Category (Convener Quota) students must have passed 12th Standard with a valid EAMCET rank.
- B-category students must have passed 12th Standard with minimum 50% marks.

For all M.Tech. branches

- A-Category (Convener Quota) students must have passed B.Tech.with a valid GATE/PGCET rank.
- B-category students must have passed 12th Standard with minimum 55% marks.

For all MBA branches

- A-Category (Convener Quota) students must have passed UG Programe with a valid ICET rank.
- B-category students must have passed UG Programe with minimum 55% marks.

**Quality of Students Admissions:****TABLE-A: Courses-wise Lowest & Highest EAMCET Ranks for U.G. - B.Tech Programs**

Category	ECE		CSE		EEE		IT		ME		AME		CIVIL	
	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest
<b>2014-15</b>														
OC	5381	101584	16667	100695	49226	118158	102588	190827	38619	190246	103711	101872	26020	145529
BC – A	42449	172172	45907	133216	53691	141664	56105	200464	128948	176982	115363	176092	40717	193013
BC – B	44578	193092	145763	171774	123423	191883	194778	201110	97601	107427	92754	196888	46978	154233
BC – C	119695	-	-	-	-	-	-	-	190310	-	-	-	74966	199043
BC – D	72153	174407	64651	152566	63078	101298	-	-	52616	163983	-	-	26575	176637
BC – E	31715	180021	37793	145571	-	-	-	-	116138	190483	--	-	50450	195518
SC	36388	183349	69014	187700	39613	160675	135533	201085	-	-	91201	191053	52094	186927
ST	124008	-	-	-	-	-	-	-	201076	-	-	-	155420	184130
<b>2013-14</b>														
OC	11611	270913	32084	118286	32954	85762	108509	205100	31276	208330	37059	206124	24108	106141
BC – A	28145	201719	107640	203592	201719	130912	168175	208902	90515	131522	153018	183251	28188	180059
BC – B	27645	167664	33725	196774	16941	124595	37255	196774	42885	188278	124371	163634	25341	174910
BC – C	27645	116056	189813	189813	-	-	-	-	138353	138353	-	-	-	-
BC – D	52764	160548	113806	189619	93019	175160	178486	178486	32847	154417	166162	193716	72118	110750
BC – E	98747	98747	62998	181731	80525	171716	-	-	123409	202373	152125	182387	86270	170174
SC	51569	189351	103492	215472	50157	144569	215175	215175	89541	169976	64447	216322	56528	189263
ST	-	-	-	-	-	-	180729	180729	117586	171909	-	-	171688	181027
<b>2012-13</b>														
OC	36698	190185	56183	200430	21570	201726	-	-	21310	128635	89835	176653	43403	202251
BC – A	77678	190317	147001	165644	52013	186895	-	-	161366	189132	157895	157895	79185	151486
BC – B	43324	96470	81090	184290	167396	167396	-	-	-	-	195886	195886	122640	122640
BC – C	-	-	-	-	-	-	-	-	-	-			-	-
BC – D	15778	187467	144369	191608	95191	180967	-	-	63326	193450	142864	142864	82655	162035
BC – E	59475	59475	182332	182332	26267	26267	-	-	71849	188371	-	-	138074	138074
SC	47325	20379	206443	206443	72507	187868	-	-	129346	203113	105598	188055	106884	202276
ST	17886	159167	-	-	-	-	-	-	-	-	-	-	142951	142951

2011-12														
OC	25294	51690	47939	102723	57314	171703	27648	202935	1414196	3007251	83916	203423	55879	162791
BC – A	149454	149454	147169	189281	-	-	193584	193584	128068	192328	-	-	139803	139803
BC – B	38264	98750	147418	177374	166118	166118	-	-	178537	178537	170864	170864	164040	164040
BC – C	-	-	-	-	-	-	-	-	196784	196784	-	-	-	-
BC – D	39616	128274	-	-	-	-	-	-	119325	176442	-	-	-	-
BC – E	52326	52326	195578	195578	-	-	-	-	132846	184017	-	-	0	0
SC	58334	190277	161245	161245	195525	195525	-	-	141675	203460	204356	204356	-	-
ST	-	-	-	-	37488	37488	-	-	177995	177995	-	-	-	-

**TABLE-B: Courses-wise Lowest & Highest GATE/PGECET Ranks for P.G. - M.Tech Programs**

Category	VLSI & ES		PE		CSE		MD		SE	
	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest
2014-15										
OC	920	6448	7646	8343	3820	15478	1357	4056	629	5397
BC – A	15226	-	-	-	1263	6179	2230	4799	-	-
BC – B	2392	10471	6268	-	-	-	3030	8057	2203	7338
BC – C	-	-	-	-	-	-	-	-	-	-
BC – D	430	-	7384	-	-	-	4685	-	-	-
BC – E	-	-	-	-	-	-	7870	-	8547	-
SC	1471	12451	6274	17658	6726	11126	4518	36867	5413	8210
ST	-	-	-	-	-	-	-	-	-	-
NCC	-	-	-	-	-	-	-	-	-	-
PHC	-	-	-	-	-	-	-	-	-	-
CAP	-	-	-	-	-	-	-	-	-	-
SPORTS	-	-	-	-	-	-	-	-	-	-
2013-14										
OC	298	5507	145	9496	2422	3501	-	-	-	-
BC – A	9027	14331	3267	-	1126	1126	-	-	-	-
BC – B	6684	9736	823	6950	2157	8491	-	-	-	-
BC – C	-	-	-	-	-	-	-	-	-	-
BC – D	3802	3802	-	-	8022	9645	-	-	-	-
BC – E	-	-	3589	4550	-	-	-	-	-	-
SC	5001	16842	4062	4889	2171	20633	-	-	-	-
ST	-	-	12556	-	-	-	-	-	-	-
NCC	-	-	-	-	-	-	-	-	-	-
PHC	-	-	-	-	-	-	-	-	-	-
CAP	-	-	-	-	-	-	-	-	-	-
SPORTS	-	-	-	-	-	-	-	-	-	-

2012-13										
OC	-	-	-	-	239 6	9843	-	-	-	-
BC – A	-	-	-	-	2302	6394	-	-	-	-
BC – B	-	-	-	-	16253	16524	-	-	-	-
BC – C	-	-	-	-	-	-	-	-	-	-
BC – D	-	-	-	-	5620	5620	-	-	-	-
BC – E	-	-	-	-	-	-	-	-	-	-
SC	-	-	-	-	377	17923	-	-	-	-
ST	-	-	-	-	-	-	-	-	-	-
NCC	-	-	-	-	-	-	-	-	-	-
PHC	-	-	-	-	-	-	-	-	-	-
CAP	-	-	-	-	-	-	-	-	-	-

**TABLE – C: Courses-wise Lowest & Highest Ranks for PG - MBA Program ICET Ranks**

Category	2014-2015		2013-2014		2012-13		2011-2012	
	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest
OC	1217	87704	4284	84186	2907	119446	2240	119000
BC – A	22920	114408	24294	111041	52429	115305	35550	106119
BC – B	17139	108067	2545	117002	20947	80720	32991	119056
BC – C	-	-	--	--	4040	44625	--	--
BC – D	17390	101932	39301	96518	39298	87136	24636	94754
BC – E	22200	100331	23228	110206	55868	77888	56004	62028
SC	21639	119405	22192	121877	17182	120492	39873	123459
ST	30738	110606	78567	113446	--	--	--	--

- Our college admissions through convener quota are 100% against the sanctioned intake for 2014-15 academic year and the admissions for various colleges in this region are given below.

S.No	College Name	Total Seats			% Filled
		Intake	Admitted	unfilled	
1	Pace Institute Of Technology And Sciences, Vallur, Ongole	546	546	0	100
2	Prakasam Engineering College, Kandukur	378	358	20	94.71
3	St. Anns College Of Engg. And Technology, Chirala	504	453	51	89.88
4	Dr Samuel George Institute Of Engg. And Technology, Markapur	294	263	31	89.46
5	Rise Krishna SaiPrakasam Group Of Institutions, Vallur, Ongole	294	252	42	85.71
6	Qis College Of Engg. And Technology, Ongole	714	564	150	78.99
7	Rise Krishna Sai Gandhi Group Of Institutions, Vallur, Ongole	294	205	89	69.73
8	Abr College Of Engg And Technology, Kanigiri	336	187	149	55.65
9	Qis Institute Of Technology, Ongole	462	253	209	54.76
10	Chirala Engineering College, Chirala	503	225	278	44.73
11	Bvsr Engineering College, Chimakurthy	252	105	147	41.67
12	Sri Satyanarayana College Of Engg. And Tech., Ongole	378	154	224	40.74
13	Krishna Chaitanya Inst Of Technology And Sciences, Markapur	294	114	180	38.78
14	Malineni Lakshmaiah Engineering College, Singarayakonda	462	159	303	34.42
15	Vrs And Yrn College Of Engg. And Technology, Chirala	336	45	291	13.39
16	Sri Satyanarayana Engineering College, Ongole	462	39	423	8.44
17	Rao & Naidu Engineering College	336	3	333	0.89
<b>TOTAL</b>		<b>6845</b>	<b>3925</b>	<b>2920</b>	<b>57.34</b>



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

- After the completion of admission process, the profiles of the students got admitted are analysed in respect of starting and ending rank in each category, to assess the quality of students and to take care of them in due course.
- For this purpose as per the allotted list by the APSCHE, the students ranks are taken into consideration for A category and the percentage of marks secured at qualifying examination for B category seats. Also the comparison is made with the other colleges in this region and appropriate remedial measures, if necessary, will be initiated for the improvement of college so as to get better students during the next admission process.
- Thus the Institute makes complete effort to improve the standards and to reach out to the society in more effective ways.

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

- SC/ST
- OBC
- Women
- Differently abled
- Economically Weaker Sections
- Minority community
- Any other

**SC/ST/ OBC**

- Fee reimbursement scheme is offered by the state government of Andhra Pradesh for SC/ST/OBC who are having eligibility.
- As per the direction of A.P. government various banks provides educational loans for the various category students who are not being financially assisted by the government.

**Women**

- 33% of the admitted students in convener quota are girls as per the reservation policy of the A.P. state government. They can also apply under open category.
- Hostel facility is available for the women with security.
- The institution provides special counselling for the parents who need the importance of women education and facilities like security, protection and special reservation.
- Institute has constituted a women empowerment cell as per the guide lines given by the Women’s Commission, Govt. of India.

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

Programme	Course	2014-15	2013-14	2012-13	2011-12
B.Tech	ECE, EEE, CSE, IT, ME, AME, CIVIL	219	78	49	47
M.Tech	VLSI & ES, PE, CSE, MD, SE	18	9	3	-
MBA	--	25	18	30	27
% of all students	--	26.92%	13.56%	16.27%	13.91%

#### **Differently abled**

- For differently abled students reserved a fixed quota in the admission as per UGC and State Government norms.
- The college management takes the special concern about their needs and necessities like classes and exams are conducting in the ground floor.

#### **Economically Weaker Sections**

- The students belong to economically weaker sections granted some special benefits like the concession in Tution fee, free books, free transport and special rewards which help them in their career by the Management.

#### **Minority community**

- Reservation is available to the minority community under BC-E category as per the state government's policies. Minority students admitted during last four years are given below:

Programme	Course	2014-15	2013-14	2012-13	2011-12
B.Tech	ECE, EEE, CSE, IT, ME, AME, CIVIL	49	48	16	13
M.Tech	VLSI & ES, PE, CSE, MD, SE	1	2	-	-
MBA	MBA	8	5	4	2
% of all students	--	6.15	11	6.67	5

#### **Sports persons**

- The institution gives reservation to the candidates who participate in sports activities at regional or national level based on their excellence in sports as per government guidelines.

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

S.No	Programme	Course	Students Intake	Students Admitted	Demand Ratio
2014-15					
1	UG	Electronics and Communication Engineering	180	180	1
2		Electrical and Electronics Engineering	60	56	0.94
3		Computer Science and Engineering	120	120	1
4		Information Technology	60	57	0.93
5		Mechanical Engineering	120	119	0.975
6		Automobile Engineering	60	58	0.96
7		Civil Engineering	180	179	0.99
1	PG	VLSI & Embedded Systems	18	18	1
2		Power Electronics	18	16	1
3		Computer Science& Engineering	18	18	1
4		Machine design	18	16	0.88
5		Master of Business Administration	120	106	0.88
2013-14					
1	UG	Electronics and Communication Engineering	120	119	0.99
2		Electrical and Electronics Engineering	60	54	0.9
3		Computer Science and Engineering	120	120	1
4		Information Technology	60	37	0.61
5		Mechanical Engineering	120	117	0.975
6		Automobile Engineering	60	58	0.96
7		Civil Engineering	120	120	1
1	PG	VLSI & Embedded Systems	18	18	1
2		Power Electronics	18	18	1
3		Computer Science& Engineering	18	18	1
4		Master of Business Administration	120	106	0.88
2012-13					
1	UG	Electronics and Communication Engineering	120	112	0.93
2		Electrical and Electronics Engineering	60	31	0.52
3		Computer Science and Engineering	120	83	0.69
4		Information Technology	60	0	0
5		Mechanical Engineering	60	60	1
6		Automobile Engineering	60	23	0.38
7		Civil Engineering	60	60	1
1	PG	Computer Science Engineering	18	18	1
2		Master of Business Administration	120	114	0.95

2011-12					
1	UG	Electronics and Communication Engineering	120	120	1
2		Electrical and Electronics Engineering	60	53	0.89
3		Computer Science and Engineering	60	60	1
4		Information Technology	60	45	0.75
5		Mechanical Engineering	60	60	1
6		Automobile Engineering	60	24	0.4
7		Civil Engineering	60	60	1
1	PG	Master of Business Administration	120	108	0.90

Institute has expanded its intake based on analysis of requirement of actual seats, growing demand and actual availability of the seats in various Engineering courses.

- In the year 2014-15 the intake for Electronics & Communication Engineering, Civil Engineering and MBA has been increased by 60 seats in each of these branches. The institute could get good name and fame in this region with the best practices followed in taking care of the students personally with which the admissions brimmed in 2013-14 admissions, due to which the institute raised the intake as per the eligibility of AICTE norms.
- In the year 2013-2014 the intake for CIVIL and Mechanical Engineering has been increased from 60 to 120 and got filled 100%. During the year 2012-13 admissions, it was observed through admission analysis that the aspirants are more for these branches. Keeping that in view the intake has been increased.

## 2.2 Catering to Student Diversity

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

- College follows Andhra Pradesh Government policies regarding the needs and necessity of differently-abled students.
- At the time of admissions in various programs and courses seats are reserved according to the state government policies.
- Special attention is given and their requirement like the classroom is allotted on the ground floor if necessary.
- For the students who are having vision and functional disability, the institution provides writers during the time of examination.
- For these students Extra time also provided at the time of end examinations.
- Frequently, counselling and extra classes are arranged to these students for the academic support.

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

- Yes, the institution takes care of every aspect and needs of the students.
- The institution will act as a ladder in order to climb up their world of aspirations and ambitions to reach their goals and get succeed in their lives.
- The college also takes care that every section or class contains equal mix of intelligent and average students.
- We admit students of all calibers without objection in providing EDUCATION FOR ALL.
- We also believe that EXPERIENCE and EXPERTISE brings EXCELLENCE.
- In order to satisfy this, faculty with good experience and expertise are recruited. This makes the student community to access with the faculty members easily and clears their doubts.
- Apart from this, the weak students traced out by the faculty team and they are given extra remedial classes in order to cope with their fellow students.
- These students are counseled by the senior faculty team and get the feedback of their studies and personal issues so that they can perform their studies in a particular defined way.
- Introduction Program is conducted annually for first year students and their parents before commencement of class work. Information regarding facilities, faculty expertise, rules & regulations, discipline, code of conduct of the college and the teaching-learning methodology is communicated to create awareness about the college.
- The students and the parents are encouraged to express their special needs and requirements on this occasion.
- Bridge courses are conducted for lateral entry students depending on their special needs.
- Orientation classes are conducted for subjects like C programming, mathematics and English for I B. Tech. students before the commencement of regular class work.

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

**Institute follows following policy lines for the same:**

- The following strategies are taken up by the institution for enabling the students to cope with the programme of their choice to overcome the knowledge gap by conducting Bridge Courses on Basic English Language Skills, IT Fundamentals, Mathematics, Accountancy, Programme Language Concepts, Networking, Computer fundamentals etc.

- Make up and tutorial sessions are offered by the Course faculty.
- Zero hours / off days are utilized for conducting the remedial classes for those students who require additional academic support.

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

- Under the banner of NSS and ISTE, students and staff members are sensitized by organizing lectures and seminars on environmental issues, gender and health issues.
- The institution has set up a Women empowerment committee to cater to the problems & issues related to girls.
- The institution provides co-education holding the tradition of teaching the holistic education with emphasis on the ethical and moral principles.
- Regular moral boosting sessions are arranged to make their moral high.
- The institute arranges awareness programs on issues such as gender inclusion, environment etc by the experts on the relevant fields.
- The women's day is Conducted & celebrated by teachers and students.
- The college management also supports the women education by offering some extra financial benefits to girl students.

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

- Advanced learners are identified based on day to day evaluation, internal exams, external exams, regularity, quality of Assignments, presentation of seminars and observation in Tutorial sessions.
- Advanced learners are continuously encouraged by counselling them to strive for higher goals by providing them additional inputs for better career planning and growth.
- Encouraging the students to be active members of various professional bodies and branch associations to enhance their academic, managerial skills and leadership qualities.
- Advanced learners are encouraged to do innovative projects during the course.
- Motivating the students to organize technical sessions on the emerging technical areas to have better exposure in the areas of recent developments.
- Advanced learners encouraged to participate paper presentations, publications, poster presentations, models and to attend the technical events organized by the national prominent institutes.



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

- Data of Slow learners is collected based on day-to-day evaluation, internal exams, external exams, regularity, Assignments, presentation of seminars and observation in Tutorial sessions are short listed to analyze and identify the students who are at risk of drop out.
- Counselors are continuously interacting with the identified students and counsel them to reduce the tendency towards the risk of drop outs.
- Counselors enquire with the student parents about their problems, if necessary, educate them to take care of their wards to avoid the risk of dropout.
- The class teachers monitor the attendance of this group of students and counsel them to improve their attendance which makes the students to excel in studies.
- The College is practicing Counselor-student counselling ratio / pattern as 1:20. The student counselling form consists of the student's details, internal marks, external marks, attendance details, counselling areas and performance in cocurricular activities which help the faculty to analyze and implement the necessary action to reduce the dropout of the students who belong to the above mentioned groups.
- Separate lecture notes is provided for slow learners.

**2.3 Teaching-Learning Process**

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

**i) Academic calendar:**

- College follows the Academic calendar prepared by the College academic committee as per the guidelines of JNTUK, Kakinada semester calendar.
- College Academic calendar provides the information pertaining to semester academic plan, unit wise schedule of syllabus coverage, cocurricular activities to be conducted, student absentee details to be maintained by class teacher, student feedback and slip test marks.
- Lesson plan for each subject is prepared by the faculty well in advance, before the commencement of the semester and they are duly checked by respective HODs. The Course file for each subject consists of Lesson Plan, Lecture schedule, notes, assignments, previous University question papers, content beyond syllabus, internal exam question papers and model answer scripts.

**ii) Handouts:**

The handouts consist of

- Academic Plan is made available to all the students.
- Course objectives and outcomes of each unit.
- Lesson Plan.
- Text books, Reference books and important URLs for the subject material.
- Assignment and Tutorial questions on each unit.
- Content beyond syllabus & topics for seminars
- The evaluation procedures for internal marks for theory subjects and labs.

**iii) Teaching Plan:**

- Head of the department convene meeting with the faculty before the commencement of the semester and subjects are allotted as per the faculty subject option form.
- Faculty member prepares lesson plan by making use of the guidelines provided in the college academic calendar for their allotted subjects.
- Laboratory manuals are prepared and made available to the students before the commencement of the semester.
- Faculty provides the details in lesson plan about the teaching aids like PPT's, subject CD's, animations, subjects videos wherever necessary.
- Teaching plan provides details of unit wise syllabus completion.

**iv) Evaluation:**

- Internal exam evaluation of the theory subjects is based on the university guidelines.
- For the lab work continuous assessment and evaluation system is followed. Based on guidelines given by the JNTUK, theory and practical examinations are the two components that have different weightages of marks for various regulations, namely,

Regulation	External Evaluation	Internal Evaluation
R07	80%	20%
R10	75%	25%
R13	70%	30%

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

The main purpose of Internal Quality Assessment Cell (IQAC) activities in the institute are as follows:

- To build up a quality system for cognizant, steady and catalytic programm education to improve the academic and administrative performance of the Institute.

- To endorse measures for institutional functioning towards quality improvement through incorporation of quality culture and establishment of best practices.

#### **Activities performed by IQAC:**

- IQAC plays a predominant role in teaching - learning process to maintain the quality and it consists of two members from each department.
- It conducts the meetings of the members of the committee for the improvement in teaching - learning process.
- The IQAC monitors the various aspects of the teaching-learning process and periodically reviews the effectiveness of the strategies adopted to make the process effective.
- The IQAC meets regularly and realigns practices based on formal (for example, student council meetings) and informal feedbacks whenever necessary.
- The IQAC proposes to the department the various strategies such as syllabus coverage, pass percentage, assessment of learning outcomes.
- It also recommends participation of faculty and students in seminars and conferences. IQAC regularly reviews and evaluates the teaching learning process.
- The IQAC also conducts special meetings to have a detailed result analysis of each batch.
- Meetings are held at the departmental and at the college level. These meetings emphasize on the strategies on improvement of results and adhering to the strategies.

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

The College supports student-centric learning through its efforts at creating a learning atmosphere which allows students to think in different way, respond and pose questions. The basic methodology adopted is to provide students with a diversity of learning experiences. It being a common teaching method, lectures are supported by assignments, discussions, field work and projects.

#### **Dynamic and interactive learning:**

- The teachers adopt presentation and group discussion methods to make the topics more interesting.
- The College provides state-of-the-art Seminar halls and e-class rooms where students participate in group discussions, debates and seminars.
- The faculty frequently gives illustrations and discusses special technical issues so as to explain the students with the practical insight of the course.

**Collaborative and motivating learning:**

- Students counselling by individual proactive are provided.
- Strengthening of library resources and services.
- Technical Fests (conducting SRUJANA each year) which is fully “student-centric” and they nurture their organizational and management skills apart from enriching their technical knowledge.
- The concern departments are arranged to the students to visit industries, college of higher education and research, national laboratories, governmental and private organizations to make the subjects more informative.

**Independent: Self-governing learning:**

- The college has established spacious and well stacked library with required facilities like reading place, journal section, reference book section, text book section, digital library etc.
- Each Department is having well equipped labs which facilities to cater the practical knowledge of students.

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

It is nurtured by organizing debating competitions, group discussions, seminars etc.

1. Insisting the students to do more unsolved problems in the subjects to improve critical thinking.
2. Encouraging students to do application oriented projects.
3. Acquaint the technical journals to improve Life-long learning.

**Creativity:**

Students are encouraged to prepare posters, models and miniprojects on various fields to enhance their creativity.

**Scientific Temper:**

- The college is organizing project exhibition every year to create scientific temper among the students
- The institute motivates students to participate in National and International seminars, workshops and conferences and to present their papers.
- Students are encouraged to solve case studies and present their analysis, inculcating the habit of reading journals and magazines to transform them into lifelong learners.
- Faculty members support the students to do innovative projects that should be helpful for the industry and society.

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

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

**E-learning Resource**

Modern teaching aids like Multimedia, LCD Projectors and Internet enabled Computer systems are used for class rooms.

- Faculty members follow the centre of excellence for e resource development and deployment facility ([www.jntuk-coeerd.in](http://www.jntuk-coeerd.in)) provided by the affiliated university JNTUK to refer the material prepared by the experts as per the university syllabus and also get the demonstration on laboratory experiments / programs.
- Faculty members take the help of virtual lab facility to upgrade their practical knowledge on laboratories.
  - [http://www.vlab.co.in/ba\\_labs\\_all.php?id=4](http://www.vlab.co.in/ba_labs_all.php?id=4)
  - <http://iitkgp.vlab.co.in/?sub=40>
  - <http://iitg.vlab.co.in/?sub=62>
  - <http://www.vlab.co.in/>
  - [http://www.vlab.co.in/institute\\_detail.php?ins=005](http://www.vlab.co.in/institute_detail.php?ins=005)
  - <http://www.amrita.edu/research/project/mechanical-engineering-virtual-labs>
- NPTEL video courses prepared by IIT & NIT Professors on different subjects are provided in the digital library through which faculty also get the exposure on their subjects.
- Faculty develops their research skills with the help of e-journals provided in the digital library.
- Faculty utilizes video lectures provided by MIT, Stanford University and Harvard University etc. to upgrade their knowledge from the digital library.

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

- The faculty members are encouraged to participate in short-term courses, staff development programmes and workshops on advanced topics to enhance their level of knowledge.
- Guest Lectures / workshops are organized by inviting experts / resource persons on advanced topics for the benefit of the students and faculty.
- Faculty members are encouraged to participate / present papers at national/international seminars / conferences to get exposure on latest advancements.

- Students are driven to internship programs to get spotlight of industrial environment.
- Students are encouraged to participate in various co-curricular activities like:
  - General & Technical Quiz
  - Poster and Paper Presentations
  - Mini- projects
  - National level technical Symposiums
  - Research journal publications
  - Sales promotion strategies
  - National and International conferences and
  - Industrial visits

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

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

**Professional counselling system:**

- There is a provision of counselors for each class for academic and personal guidance. The students are divided into groups and each group is provided with counselor to provide academic and personal guidance to the students.
- For every class, 5 - 8 students are allotted to one staff member to provide counselling and to look into the problems of the students and endow with the necessary guidance in solving their problems if any.
- The faculty counselor monitors the regularity of attendance, participation in seminars, co-curricular activities. Also the performance of the students in internal tests/semester examinations is assessed and assisted their concerned students for better progress.

**Academic advice:**

- Faculty Counselor frequently monitors the academic performance of the students and arranges remedial classes for the students lagging in subjects with the consent of HOD.
- The Career Guidance Cell provides services like guiding the students for Interviews, Job Placements and training programmes which enable them to develop skills required to cater the needs of competitive world. The Cell organizes different Programmes such as Seminars on Personality Development, Interpersonal Relationship and Communication Skills etc for improving the latent skills of the student.
- Placement co-ordinators are identified from the final year students to take training and help from the placement office. The cell provides career counselling through professional experts and in-house faculty members.



- The institute conducts special programs on psychological strengthening, stress management by inviting specialized personalities to support the students towards psycho-social issues.

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

- The faculty members are allocated subjects based on their professional and teaching skills. The faculty members prepared detailed course files which consist of course schedules and the teaching notes. The teaching note is made available in digital form.
- Topics beyond the syllabus are covered to enhance the knowledge of the students.
- Experiments beyond syllabus are also conducted in the specified laboratories.
- Bridge courses are conducted for overall development of students.

Some of the teaching methods adopted by the faculty are:

- Role play
- Power point presentations
- Audio visual aids

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

- College provides wi-fi facility to the faculty and students to adopt new and innovative approaches.
- Faculty is encouraged to pursue Ph.D programs and/or encouraged to take up the research work individually or in collaboration.
- In order to cater the needs of the research activity by different departments, the management of the college has planned for R&D facility with the infrastructure required. This in itself is a huge encouragement for the faculty to pursue their research activities with in the institution. These facilities would also help in Institutional - Industry interaction in research and development in engineering and sciences.
- The faculty is regularly encouraged to attend National and International workshops / conferences and present their research findings.
- Academic leave is extended to faculty members who wish to pursue Ph.D. programs.

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

The Library is well stocked with books, journals, back volumes, projects and dissertations including e-books and e-journals for continuous learning and knowledge enrichment of the students and faculty.

- Students are allotted a library hour within the time table.
- The library is kept open beyond the working hours which facilitate optimum usage of resources.
- Staff members provide reading lists to the learners to supplement teaching learning.
- The students are encouraged by the faculty to make use of digital library and reference section to gather additional information beyond curriculum.

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

- A wide range of reading materials, learning resources and information helps to support the development of successful learners and confident individuals.
- Promoting independent learning skills supports lifelong learning and encourages students to grow as responsible citizens and make an effective contribution to society.
- Using websites constructively for research.
- Introduction of e-journals for faculty & students.
- Every year books, magazines, journals are added as per the needs of staff & students.
- Internet facility.

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

- The stipulated time frames for completing the syllabus sometimes offer challenges – loss of classes due to unexpected holidays like bundhs.
- Teaching plans are made accordingly, in order to complete the curriculum within the schedule time frame.
- Any short fall due to lack of time is made up by conducting the make up classes after the classhours and also in Sundays.

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

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

- Oral and written feedback from the students
- Analysis of Course files prepared by faculty
- Syllabus monitoring

- Class committee review meeting
- Students performance in the internal examinations
- Students results analysis
- Students Academic project performance
- Minimizing the absentees of the students.

Institution makes regular effort to enhance the staff skills and their ability by organizing in-house training programs and/or deputing the staff to get training in communication skills and other areas of standard methodology.

IQAC keeps check on feedback on various departments student feedback on regular basis for further improvements.

As per the result analysis on the external examinations, HOD counsels the faculty who got pass percentage less than 80.

The students lagging in subjects are identified and taught in remedial classes.

## 2.4 Teacher Quality

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

#### **Recruitment Process:**

Institute has a well defined recruitment policy which is explained below.

#### **Step-1**

- a. Recruitment is normally done twice in a year usually during the month of May and November.
- b. Number of vacancies is finalized for notification and recruitment based on the requirement as per the increase in student strength, resignations and terminations of staff members.
- c. Vacancies are notified in leading regional and national newspapers by Principal / Designated Authority for staff recruitment.
- d. The received applications for various positions as per the notification are shortlisted by the concerned department.
- e. The short listed candidates are informed through call letters/e-mail and/or over telephone by the college office.
- f. In case of urgency, recruitment will be through Walk-in interviews by notifying in newspaper/ college website and/or with the available previous resumes.

#### **Step-2**

- a. Staff recruitment is made by college selection Committee comprises Principal / Designated Authority, Management representative, respective Head of the department and subject experts at college level.
- b. The staff recruitment / ratification is made at university by the staff selection committee constituted by the university.
- c. For the positions of Assistant Professors, as per the requirement written test is conducted and the shortlisted candidates are interviewed

by the selection committee and the required numbers of staff are recruited.

- d. For higher positions like Associate Professors and Professors, the methods of selection is made through personal interview and are recruited by the college selection committee / university selection committee.

**Institute provides the following facilities for the Faculty towards their retention:**

- To upgrade the knowledge, management encourages the faculty members to participate in quality improvement programs, seminars, conferences and workshops and their participation will be considered as on duty and are provided with TA/DA.
- Institute encourages the faculty members for pursuing of Ph.D with academic leaves as per the college policy.
- Faculty members are provided with 15 casual leaves and also special casual leaves, medical leaves and other leaves as per their eligibility.
- Additional Increments are sanctioned to the deserved faculty members based on performance through feedback reports, results and contribution to the department and College development.
- The institute provides transport facility to the faculty coming from distant places.
- Well established library facilitate the faculty to improve the chance of their career development.
- Faculty are availing the internet facility with 24 mbps leased lines also the campus is wi-fi enabled internet etc.
- The college provides the incentives and rewards for
  - Presenting papers at national and international level seminars
  - Publication of research papers in journals.
  - Receiving brilliant results in their respective subjects.
  - Encouraging the students to excel in various fields.
  - Significant improvement in the qualification.

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

- College encourages the faculty members to attend short term and long term courses on the recent trends and advancements in their field and the faculty will share that knowledge to the concerned faculty and with the students.
- College IQAC continuously tracks the list of academic experts in the emerging areas in various fields so that the departments arrange guest lectures by inviting them to college and also interaction sessions will be arranged with the faculty.

- Students are benefitted through the experts from the industries interaction sessions arranged by the Training, placement and career guidance cell.

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

#### a) Nomination of faculty to staff development programmes

S.No	Name of the faculty	Faculty development programme	Venue	Dept.	Year
1	Ch.HanumaJyothi	Teaching pedagogy for undergraduate students	D V Manor Hotel, Vijayawada	MBA	2014
2	Dr.V.Venkateswara Rao	Teaching pedagogy for undergraduate students	D V Manor Hotel, Vijayawada	MBA	2014
3	Dr. MVS Sudhakar	Research methods	QIS college of Engg.	MBA	2012
4	Dr.V.Venkateswara Rao	Research Methods	QIS college of Engg	MBA	2012

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

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

The college organizes programmes to motivate teachers to prepare computer aided teaching mostly using soft wares and tools. The college is having a lot of licensed software's such as windows, Ms-Office, Visual Basic, Java, Linux etc. the college also supports these by providing infrastructural support. The computer department of the college regularly organizes training which would be useful for both students and faculty to make them aware of the recent technologies.

#### Handling new curriculum:

Our college on rolls has well qualified and experienced faculty to handle the new curriculum with ease. Many faculty members are members of ISTE, CSI, HMA, NEN, and NHRD many other professional organizations.

#### Assessment:

The self assessment report is one of the important yard sticks used for the promotion of the faculty. It also gives a picture of the needs of the faculty in terms of their research and other activities. Suggestions to

improve the academic performance are provided by the academic system, provided by the faculty through the self assessment report. The principal also maintains the ACR of the teachers which records the annual performance of the teachers.

**Cross cutting issues:**

The cross cutting issues like gender, climate, environment, education, human rights, ICT etc, find ample space when it comes to applying them positively into the curriculum the college at its own level and with the assistance from JNTUH and management etc. make arrangements for conferences and seminars of national level where in the experts of above mentioned fields are invited to share and deliver their experiences and knowledge. The college regularly organizes state level seminars on various seminars and conferences of burning technological and management issues. The Technical education is part of the college curriculum. It is compulsory for all the students, irrespective of any system, to clear the subject titled of environmental studies.

**Audio visual aids/multimedia:**

Lectures are arranged using audio visual aids in classrooms. Our computer department is provided with audio visual aids as per their special requirements. We have latest computer aided packages, as per our requirement. It includes projectors, computer, and sound systems. Faculty members are provided with computer with internet browsing facility for preparation of teaching /learning materials.

**c) Percentage of faculty**

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



Participation of faculty as resource person /participation and in paper presentation in various workshops/conference/seminars during the last four years

**Sample list of Participation of Faculty in Seminars / Workshops/ Conference/ publications**

S. No	Name of the faculty	Workshop/ seminars /conference	Conducted organization	Dept.	Year
<b>MBA</b>					
1	Dr.MVS Sudhakar	Conference	V.R.Sidhartha Engineering college, Vijayawada	MBA	2013
2	Dr.MVS Sudhakar	Conference	AcharyaNagarjuna University	commerce & B.Admin.	2012
3	Dr.V.Venkateswara Rao	Conference	AcharyaNagarjuna University	Commerce & B.Admin	2012
<b>EEE</b>					
1	M.Suneel Kumar	Seminar on MATLAB simulink	Math work	EEE	2013
2	K.Ramesh babu	Work shop	University college of engineering, jntu kakinada	EEE	2011
3	K.Ramesh babu	Work shop	Bapatla engineering college	EEE	2012
4	K.Ramesh babu	Work shop	University college of engineering, jntu kakinada	EEE	2013
5	K.Ramesh babu	Work shop	St. Ann's college of engineering & technology, chirala	EEE	2013
6	K.Ramesh babu	Work shop	St. Ann's college of engineering & technology, chirala	EEE	2013
7	K.Ramesh babu	Work shop (coeerd)	Jntuk	EEE	2014

## a) Publications

S. No	Name of The Faculty	Publication Title	Publication Details	Year
1	Dr. C.V. SubbaRao	“Introduction to biodiesel”	IJAET, pp 243-245.	2011
		“Performance analysis and wear of I.C engine valve and seat inserts using jatropa methyl esters”	Appls. Vol. 4, No. III pp 177-188	2011
		“Performance and Emission Characteristics of 4 Stroke Petrol Engine Fueled with Biogas / L.P.G Blends	Volume II Issue I / pp. 209 – 213.	2011
		“Production of Hydrogen as a Fuel” International Journal of Advanced Engineering and Technology (IJAET) ,	Volume II Issue I pp. 185 – 189	2011
		“Performance, emission analysis and wear characteristics of valves of I.C Engine fueled with methyl esters of cotton seed oil and its blends”	IJAET Vol. 3, No.III, pp 329-344.	2011
		“Genetic Algorithm based hamming number technique for detection of Isomorphism in planetary Gear trains”	IJAET Volume 6, No. 1, 2011, pp 33-42.	2011
		“Prediction of flank wear in drilling using differential evolution trained neural networks”	JME Vol. 1, pp 24 – 29.	2011
		“A Mechatronic solution to Automotive Safety”	WCDM conference	2008
		“Handling Stability with Advanced Control Systems” Engineering College, Chennai.	International ERA-2009	2009
		“Buckling Analysis of Composite Shells”	International conference	2011
		“Robotics And Automation”	International conference	2011
		“Development of Mechatronic System for Automatic Lifting”	International Conference	2011
		“Integration of Mechanical and Electronic Systems In Mechanical Engineering”	International Conference	2011
		“Introduction to Generation of Epicyclic Gear Trains”	International conference at BIET	2011

		“Robotic Welding of Alloys”	NCAME	2010
		“Introduction to Flexible Manufacturing System(Fms)”	NCAME	2010
		“Body Construction of Tipper Load/Dump Vehicles”	TIME	2010
		“Introduction and Design Process of a Robot”	TIME	2010
2	Dr.Y.Sesha Rao	“Simultaneous Tolerance Synthesis for Manufacturing and Quality using Evolutionary Algorithms”	IJAEC	2011
		“Simultaneous Tolerance Synthesis for Manufacturing and Quality using Evolutionary Algorithms”	IJAEC	2011
		“Simultaneous Tolerance Synthesis for Manufacturing and Quality using GA and PSO”	IJIP	2011
		“A Genetic Algorithm Approach for Simultaneous Tolerance Synthesis for Manufacturing and Quality with Different Stack-Up Conditions”	IJAER	2008
		“Design Evaluation and Optimization of an Alloy Wheel for Four Wheeler”,	IPTMR	2012
		“Review of An Alloy Wheel for Four Wheeler”	IJPQE	2012
		“Design, Modeling and Analysis of Bipedal Walking Robot by Using Fuzzy Logic Controller”	IJERT	2013
		“Tolerance Analysis Of Mechanical Assemblies Using AutoCAD and MATLAB”	NCFARSC	2007
		“Simultaneous Tolerance Synthesis for Manufacturing and Quality using MATLAB”	CITTEP	2008
3	K.V. Narasaiah	Design and analysis of dry cylinder liners	IJERT	2012
4	G.E. Babu	Design and analysis of new forceps for robot assisted surgical operation.	IJERT	2010
		Introduction to the development and design of a mechatronic system.	IJERA	2012
		Automated safety systems.	IOSRJEN	2013

5	K.Aruna santhi	A Frame work on Web oriented manufacturing systems	IJERT	2013
6	D. Ashok	Design and structural analysis of composite multi leaf springs	IJERS	2012
7	R. Ajay Kumar	Computational analysis of friction stir welding tools with various threaded pin profiles	IJERT	2013
8	J. Siva Naga Raju	Design & structural analysis of heavy vehicle chassis frame made of composite materials	IJERS	2012
9	I. Vamsi	Modeling of process parameters on surface roughness in milling of aluminum metal matrix composites(al-7075&sic)using RSM	IJERT	2014
10	Y.Srinivas Reddy	Structural analysis of spherical shell with radial nozzle	IJMMO.	2014
11	K. Sri Harsha	Strength analysis of tube to tube sheet joining in shell and tube heat exchanger	IJSETR	2014
12	R. SaiLavanya	Solar water cooler using Li-Bi absorption refrigeration system.	IJMMO	2012

**EEE**

1	K.Venkateswarlu	Modelling and simulation of micro grid system based on renewable power generating units by using multi level inverter	IJERT	2012
2	M.Sunel Kumar	Investigation of reduction of switching losses in a matrix converter using space vector modulation	IJSER	2013
3	V.Veeraraghavulu	A Novel on DC-voltage controller for asymmetric twin conversion fuzzy based high power STATCOM international journal power system operation & management	IJPSOM	2013
4	S.Kavitha	Motor current signature analysis for rotor cage fault detection in induction motor	IJRET	2014
5	K. Ramesh Babu	Speed Control of A 6/4 Switched Reluctance Motor Drive	IJEER	2014
6	K. Ramesh Babu	Speed Control of a 8/6 Switched Reluctance Motor Drive	IJEET	2014

CSE				
1	A.Jagadeeswara Rao	Time Series Clustering and Analysis of ECG Heart-beats using Dynamic Time Warping	INDICON201, Hyderabad	2011
		Simplified QRS detection method for ECG heart-beat Feature Extraction	IEEE Conference	2011
		Neural network for Eigen-Decomposition of a positive-Definite Matrix	NCKBFT 07, MIT Manipal	2007
2	Ch .Koteswara Rao	Dispensing Definite frequency schemes for MIMO Systems	IJERT	2012
3	M.Rao Batchanaboyina	Learning styles vs. Suitable courses	IEEE	2013
		A Novel approach for preventing hackers in Data Communication	IJASCSE	2013
		Rule based scene retrieval using Turing Machine	IJERT	2012
4	D. Anandam	Identifying popular items by Analyzing randomized algorithms	IJCAE	2011.
5	T.V.S. Vivek	Novelty Approach of “ODD-EVEN Transposition Technique	IJERAA	2010
		Security Issues In Mobile Ad-Hoc Networks	IJCSET	2010
		An Architectural Approach for Data Hiding In Images Using Mobile communication	IJAER	2011
		Lossless Data Hiding In Images Using Histogram Modification	IJVINS	2012
6	R.Anitha	A Predictive Motif on Neural Networks Linked with Image Processing	IJAC	2012

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

The institute has encouraging attitude for professional improvement of the faculty in acquiring the knowledge or recent development and charming them in the research activities:

- Taking into consideration the departmental needs to have Ph.Ds, ME/M.Tech for faculty positions.
- The Institution encourages the faculty to present papers in the National and International conferences, seminars, workshops and training programmes organised by the universities and other organizations.
- The college provides on-duty leave to faculty for participating and presenting papers at national and international seminars /workshops/conferences.

- The college management has provided study leave for the staff members as they are undergoing Ph.D. programme on necessary period of time.
- The institution is always serious and allows the faculty to attend the state level and national level seminars, sanction grants for minor and major research and also allow study leave for introducing new courses.
- For publishing papers in international and national journals incentive will be given to faculty.
- For presenting the research papers in Regional / National / International Conferences / Seminars / Workshops the registration fee will be provide to the faculty.
- For the faculty who are attending the International Conferences is held within the country To-and-fro II sleeper class railway fare provided by the institution. Further, they are treated as “on duty” for the same.

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

The management of our college always encourages and motivates every faculty member to demonstrate excellence in their subjects and areas of work by declaring the best teacher awards and resercher’s award to those who have rendered selfless and whole hearted services for the development of our college.

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

Yes.

Feedback from the students is collected twice in a semester through offline process.

- Report is communicated to the concerned faculty member and consolidated report is communicated to the respective HOD.
- The head of the institution interacts with few students of each class and takes the feedback on the teachers about the effectiveness of their classes and learning material provided.
- Report includes the percentage performance of the concerned teacher based on overall assessment with suggestions (if, required) or appreciation.
- IQAC has developed an evaluation process of the faculty members regarding their teaching skills.
- Self-appraisal forms are taken from the faculty at the end of the every Academic year and their performance is evaluated. Based on evaluation report faculty are councelled.



## **2.5 Evaluation Process and Reforms**

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

- A handbook which includes academic regulations, course structure and detailed syllabus is provided to all the students at the time of admission and it is available in the college website, library and every department.
- The Stakeholders of the college i.e. students and faculty members and even the parents of the students are informed about evaluation process by giving general instructions mentioned in the prospectus of the college.
- The periodic instructions issued by the parent university are promptly communicated to the students.
- The faculty members read the instructions even in the classrooms and copy of the same is also displayed on the students notice-board.
- Students are informed at the start of the session regarding the internal examinations. Students are clearly made aware of the eligibility conditions required to appear in the final exams. They are informed of the criterion of the internal assessment.
- The college makes effective arrangements for the smooth application of the rules about the evaluation processes. The college has developed a proper mechanism for this purpose. Staff meetings are conducted periodically to review the evaluation process. Academic calendar and syllabus books are provided to the students.

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

The institution has adopted table marking. Fair marking and evaluation is done purely by coding the roll nos. of the student's i.e. secret roll nos. More than this verbally the students are evaluated by group discussions, seminar and sometimes blackboard tests are also held for some interesting and short topics. It makes the evaluation challenging and interesting for students. Faculty members also try new innovations in their teaching skill to make evaluation more interesting and beneficial to the students. The college is affiliated to JNT University, Hyderabad. The university has initiated various evaluation reforms viz.

1. Introduction of internal assessment system.
2. Introduction of O.M.R Answer Sheets.
3. Introduction of table marking and evaluation through secret roll nos. So as to make each evaluation process more transparent.
4. Introduction of objective questions in the question papers. The college has adopted various university reforms concerning evaluation viz.
5. Same pattern of question papers are used for in house examination.
6. Internal assessment is conducted to the students as per the university criteria.

7. Class tests and unit tests are conducted to evaluate the performance of students.
8. Student centric learning through assignments, projects, seminars and practical sessions.

The University reformed the evaluation process from **R13 regulation**. University has changed the weightage of marks for both internals and externals exams. The internal exams are weighed for 30 marks and external exams are weighed for 70 marks. The internal marks are distributed as follows:

Descriptive examination	:	15M
Quiz examination	:	10M
Assignments	:	5M

From the academic year 2014-15 the quiz examination is reformed as online examination.

The external marks are distributed as follows:

PART – A	:	22 M (One mandatory question)
PART – B	:	48 M (Has to answer 3 questions out of 6 questions and equal weightage is given for each question)

In **R10 regulations** the internal examinations are weighed for 25M and external examination are weighed for 75M.

The internal marks are distributed as follows:

Descriptive examination	:	15 M
Quiz examination	:	10 M

The external examinations are for 75 marks (has to answer 5 questions out of 8 questions. Equal weightage is given for each question).

The university has initiated various evaluation reforms like

1. Introduction of internal assessment system.
2. Introduction of on-line evaluation.
3. Introduction of OMR Answer Sheets.
4. Introduction of four sets of question papers for final examinations at the end of each semester.
5. Introduction of table marking and evaluation through secret roll numbers, so as to make each evaluation process more transparent.

The college has adopted various university reforms concerning to evaluation viz.

- Class tests and assignment tests are conducted to evaluate the performance of students.
- Student centric learning through assignments, projects, seminars and practical sessions.
- Periodical project reviews are conducted for assessment of student performance in projects.

- Laboratory internal and external examinations were evaluated by proper scheme of valuation.

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

- The evaluation reforms of the university are followed in the best of the spirit.
- The evaluation reforms are implemented effectively by taking care in maintaining the records like answer sheets, award list, and weekly tests. So that students are satisfying by our evaluation.
- Any doubt about evaluation is made clear to the students.
- Whenever class tests and term tests are held the results of the student's performance/awards are shown to the students to encourage them or counsel them for better future performance.
- The college has followed the examination system as prescribed by the JNT University, Kakinada.
- After the announcement of end Examination results the students can apply for revaluation and Challenging Revaluation procedures of the University.

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

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

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

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

**UG: B.Tech:**

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

**For R13 Regulations:**

1. The performance of a student in each semester shall be evaluated subject wise with a maximum of 100 marks for theory subject and 75 marks for practical subject. The project work shall be evaluated for 200 marks.
2. For theory subjects 100 marks, that is divided as internal and external marks.
  - ✓ End Examination – 70
  - ✓ Internal Assessment marks – 30
3. For projects 200 marks, that is divided as internal and external marks.
  - ✓ End Review– 150
  - ✓ Internal Assessment marks – 50

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

Internal distribution	Descriptive	Assignment	Objective
Marks	15	5	10

1. For the End semester Examination is conducted covering the topics of all units for 70 marks. Part-A contains a mandatory question for 22 marks. Part-B has 6 questions. The students has to answer 3 out of 6 questions, these questions carries 16 marks each.

**For R10 Regulations:**

Internal and externals are conducted for 25 and 75 respectively.

1. Two internal examinations are conducted for every semester. Each internal examination consists of one descriptive and one online test for each subject.
2. The best of the two tests will be consider.

Internal distribution	Descriptive	Online
Marks	15	10

3. For the End semester Examination is conducted covering the topics of all units for 75 marks. The paper has 8 questions. The students has to answer 5 out of 8 questions, these questions carries 15 marks each.

**PG: M.Tech:**

Internal and externals are conducted for 40 and 60 respectively.

1. Two internal examinations are conducted for every semester. Each internal examination consists of four descriptive questions for 40 marks.
2. The average of two internals will be considered as final internal marks.
3. For the End semester Examination is conducted covering the topics of all units for 60 marks. The paper has 8 questions. The students has to answer 5 out of 8 questions, these questions carries 12 marks each.

**PG: MBA:**

1. Two internal examinations are conducted for every semester. The weight age of internal marks distribution is as follows.

<b>Internal distribution</b>	<b>Descriptive</b>	<b>Assignment</b>	<b>Seminar</b>
Marks	20	10	10

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

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

##### **Graduate Attributes (GA) adopted by the college are taken from NBA:**

**GA-I: Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization for the solution of complex engineering problems.

**GA-II: Problem Analysis** - Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**GA-III: Design/Development** - Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health , safety, cultural, societal and environmental considerations.

**GA-IV: Conduct Investigations of Complex Problems** - Use research - based knowledge, research methods including design of experiments, analysis, interpretation of data and synthesis of the information to provide valid conclusions.

**GA-V: Modern Tool Usage** - Create, select, apply appropriate techniques, resources, modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations.

**GA-VI: The Engineer and Society** - Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**GA-VII: Environment and Sustainability** - Understand the impact of the professional engineering solutions in societal and environmental contexts, demonstrate the knowledge of and need for sustainable development.

**GA-VIII: Ethics** - Apply ethical principles, commit to professional ethics, responsibilities and norms of the engineering practice.

**GA-IX: Individual and Teamwork** - Function effectively as an individual, as a member or leader in diverse teams, and in multi-disciplinary settings.

**GA-X: Communication** - Communicate effectively on complex engineering activities with the engineering community, with the society at large such as being able to comprehend, write effective reports, design documentation, make effective presentations, give and receive clear instructions.

**GA-XI: Project Management and Finance** - Demonstrate knowledge, understanding of the engineering and management principles, apply these to one's own work, as a member and leader in a team, to manage projects in multidisciplinary environments.

**GA-XII: Life-long Learning** - Recognize the need for, and have the preparation and ability to engage in independent and life.

- Institute has created a mechanism to monitor the Teaching-Learning and Evaluation Process by defining the role of IQAC.
- IQAC monitors the execution of following processes in time bound manner and submits the report based on his observation to the Principal office.
  - Lab work
  - Tutorial Classes
  - Assignments
  - Class Seminars
  - AV Classes
- Principal puts the observations and recommendations made by academic coordinator, in the Meeting of College Academic Committee (CAC) for further discussion.
- College Academic Committee suggests appropriate action plan for the smooth execution of Teaching Learning process.

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

##### **Mechanisms for redressal of grievances at the college level:**

- The answer scripts of internal examinations are shown to the students after evaluation to bring out the discrepancies, if any, to the notice of teacher concerned, and the necessary corrections will be made.

- If student is not satisfied with the marks awarded in any subject/ laboratory after bringing it to the notice of the teacher concerned, he/she may represent the same to the Chief-Superintendent of Examinations through the HOD concerned. All such representations are taken positively and reassessment will be made by a competent teacher if necessary.

#### **Mechanisms for redressal of grievances at the University level:**

- The student is entitled to apply for revaluation in theory subjects by paying the prescribed fee to the University. The University will take up all such applications and revaluates the scripts by competent subject teachers and if there is any improvement to earlier marks then update the marks. However, if there is no improvement earlier marks will be retained.
- The student is also eligible to apply for challenge revaluation in theory subjects by paying the prescribed fee to the University. Challenging revaluation is carried out by two subject experts in the presence of student at the University. If the improvement in total marks is equal to or greater than 15% of the total marks, the fee paid will be refunded and further the improved marks will be treated as final marks in that subject.

### **2.6. Student performance and Learning Outcomes**

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

Yes.

The College has clearly stated learning outcomes at various levels:

- Objectives and outcomes of the individual subject by the the faculty is aware and the same listing them in their course files.
- Making the students to know about the expected course and learning outcomes in the class room during the first lecture by the faculty.
- In the course file all the faculty of the college are required to maintain such as faculty time-table, unit-wise assignment topics, scheme of evaluation for internal question papers, sample assignments submitted by the students, internal marks statements, etc. which leads course learning outcomes.

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

- The college evaluates the students through two internal tests.
- The report is sent to the head of department after evaluating in a fair and open manner. The parents are informed through telephonically and



also sending a report with the name of “Feedback on student to parent” twice in a semester for all students by their counsellor.

- To monitor the student’s performance during an academic year, a soft copy is prepared which contains exam marks and that information will be maintained by counsellor per every 20 members.
- The counsellors interact with the Head of the department to suggest remedial actions such as conducting extra classes or conducting remedial classes for slow Learners.
- The record of the whole evaluation process is transparent. The answer books are shown to the students.

#### **Result analysis for the last four academic years**

<b>Course</b>	<b>2013-14</b>	<b>2012-13</b>	<b>2011-12</b>	<b>2010-11</b>
B.Tech(AME)	73	--	--	--
B.Tech(ECE)	60.7	84.6	61.5	68
B.Tech(EEE)	76	63.6	74.2	47
B.Tech(CSE)	63.26	57.6	80	79
B.Tech(IT)	---	77.97	71.19	77.42
B.Tech(ME)	86.23	---	----	---
B.Tech(CIVIL)	92	---	---	---
MBA		100	100	100
MCA	82.3	100	100	100

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

##### **Teaching Strategies:**

- The teaching and learning strategies are structured to facilitate the achievement of the intended learning outcomes by designing the academic plan, lesson plan, suitable teaching-learning methods, by implementing them with necessary additions or modifications as per need, and by evaluating the student’s performance periodically.
- Tutorials are conducted regularly in analytical / design subjects.
- Assignments are made compulsory in all the theory subjects.
- Seminars are arranged by the students on advanced topics.
- Technical quizzes/group discussions/paper presentations are arranged through departmental associations.
- E-learning materials and video courses are made available in the library to enhance learning outcomes.
- Pre placement training is also made as a part of learning to enhance the employability.

**Learning Strategies:**

- Industrial tours are arranged to expose the students to practical pursuits.
- Mini projects / model making are made part of the learning.
- Certificate courses on the use of modern software tools for engineering applications are conducted.

**Assessment Strategies:**

- Students give feedback twice in a semester on Teachers and Teaching-Learning System for corrective actions.
- Students assess the level of achievement of course outcomes, at the end of every semester, to measure level program outcomes achievements. In the institute assessment measures has done as direct and indirect
- Direct assessments provide for the direct examination or observation of student knowledge or skills against measurable learning outcomes.
- Faculty conduct direct assessments of student learning throughout a course are given below.

**Direct Assessment Methods:**

- Performance evaluation through internal and external examinations in both theory and lab.
- Performance evaluation by conduct of tutorials and assignments.
- Performance evaluation in project work / seminars / comprehensive viva-voce.
- Asking questions interactively in the classes.

**Indirect Assessment:**

- Self-reports.
- Alumni Feedback.
- Employer Feedback.
- Course-end Feedback.

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

- Training and Placement Cell monitors the activities in the following areas:
  1. Orientation program on Higher Education
  2. Pre-placement-Corporate training
  3. Entrepreneurship Awareness
- Following activities are conducted:
  1. CRT-Campus Recruitment Training
  2. Seminars on Education abroad

### 3. Entrepreneurship Development Program

- Industry Institute Research Cell organizes various Guest lectures, Workshops to cater the need of students having interest in Research activities.
- There is no provision for enhancing research aptitude. However preparation of field study report, project report and laboratory experiment done by the students may be considered as the first step to ignite their research aptitude.
- Students are motivated through personality development and encouraged to participate in activities for social and community service.
- In our institute NSS implements the issues in society such as tree-plantation, eradication of child labor and other issues in rural areas.

**NSS:** Social activities are conducted in our college through NSS

S.No	ACTIVITY NAME	DATE
1	Blood Donation Camp	01/03/2015
2	Motivation class on blood donation	31/03/2015
3	Games to the school childrens	29/03/2015
4	Literacy awareness program	28/03/2015
5	School dropout finding	27/03/2015
6	Plantation	26/03/2015
7	Swachh bharth	24/03/2015 - 25/03/2015
8	International earth day	22/04/2015
9	Awareness programe by NDRS	28/02/2015
10	Cancer awareness programme	04/02/2015
11	Aids awareness programme	03/04/2014
12	Blood Donation Camp	01/12/2014
13	Anti corruption camp	09/12/2014
14	Blood Donation Camp	01/10/2013
15	Blood Donation Camp	11/01/2013
16	Free Medical Camp	09/01/2012
17	Literacy Awareness	5/01/2012
18	Blood Donation Camp	07/04/2011
19	Blood Donation Camp	01/10/2010
20	Blood Donation Camp	26/02/2010

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

The college has specified method to collect the data on learning outcomes from the student by following the procedure given below:

- Internal and continuous evaluation comprising of internal tests, assignments, group discussions and seminar presentations.
- Tutorials, class tests, viva in the lab.
- The feedback from the alumni and also from the employer is collected.
- The data pertaining to the graduates seeking higher education and involved in research is also collected.

The feedback is analyzed and necessary modifications in the curriculum and evaluation strategies are suggested to the affiliating University to meet the desired learning outcomes.



#### Learning outcomes analysis: ‘Switching Theory And Logic Design’

CAY : 2011-12		SEM : <input type="checkbox"/> ODD <input type="checkbox"/> EVEN		Date :	
SUBJECT:				Year : <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV	
FACULTY					
<b>S.NO</b>	<b>QUESTIONNAIRE</b>	<b>E</b>	<b>G</b>	<b>A</b>	<b>P NC</b>
		<b>5</b>	<b>4</b>	<b>3</b>	<b>2 1</b>
1	Has the course achieved its stated objectives?	4.3			
2	Have you gained the stated skills?	4.0			
3	Whether the syllabus is adequate to achieve the objectives?	4.5			
4	Whether the teacher has helped in acquiring the stated skills?	4.1			
5	Whether the teacher has given real life applications of the course?	3.9			
<b>SPECIFIC LEARNING OUTCOMES:</b>					
6	Ability to convert between binary, octal, hexadecimal numbering systems.	3.8			
7	Ability to select ‘sum of products’ and ‘product of sum’ technique to minimize any given function.	4.0			
8	Ability to design a Combinational, sequential logic circuit using NAND and NOR gates.	4.1			
9	Ability to use programmable logic devises in PROM or EPROM	3.9			

CAY: CURRENT ACADEMIC YEAR

**Learning Outcomes for ‘Switching Theory and Logic Design’**

1. To differentiate and interconvert the various number systems, codes.
2. To select appropriate minimization technique for Boolean expressions.
3. To design a combinational logic circuit, sequential logic circuits.
4. To use programmable logic devices in memories.

**Please evaluate on the following scale:**

Excellent(E)	Good(G)	Average(A)	Poor(P)	No Comment(NC)
5	4	3	2	1

**Institute has taken following steps to overcome barriers**

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

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

In the College Academic Committee and HODs jointly monitor the progress and discuss the suggestions received from following bodies for improvement in the system:

- Department Advisory Committees
- Internal Quality Assurance cell

Progress is measured with following parameters:

- Course Assessment at the end of each semester
- Interaction with class representatives
- Students feedback regarding class room teaching

The college has the following monitoring and learning outcomes:

- Taking the attendance for each class by each faculty.

- The assignments are corrected within a short duration and the marks are entered in work register, this uses to know the academic progress of the students.
- Based on the participation in the class and the marks scored in the assignments, the student level is judged by the staff member and appropriate action is taken.
- For slow learners, counselling are conducted by the staff, also additional lab practice will be given.
- Parents of such students are called to meet their respective faculty member, if required.

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

**Yes.**

The assessment/evaluation done by individual teachers in the following manner:

- It adds two more parameters
  1. Student’s feedback (%)
  2. Course Assessment (%) and prepares a consolidated statement of each class.
- These consolidated statements will be discussed by HOD with the members in the meeting of Department Academic Committee (DAC) at the beginning of the semester where this analysis is used as an important input to find out the level of teaching learning process.
- If the performance is not adequate to meet the programme educational objectives of the Department then DAC suggests various ways to improve the performance for the upcoming semester.
- DAC identifies the courses where the performance of above parameters is not up to the mark and recommends remedial action for the same.
- At the college level, the results of all departments is discussed in the Academic Committee meeting as well as monitored by the IQAC that collects the data of student’s performance from Examination branch with subject wise pass percentage analysis.

The performance of the students information is available at their counsellor for internal assessments. The Mid examinations, end semester examinations in theory and laboratory subjects, project works and comprehensive are considered as an indicator in evaluating the student performance and also achievement of learning objectives. Further, students are evaluated on continuous basis in the form of conducting assignments, class tests etc., to assess the learning outcomes.



### CRITERION - III

#### RESEARCH, CONSULTANCY AND EXTENSION

##### 3.1 Promotion of Research

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

No

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

Yes

The Institute has a Research and Development Committee (RDC) to monitor and address the issues of research.

The committee comprises of the following members

Convener : Director – Industry Interaction & Research  
Members : One Faculty from each department, preferably with Ph.D and three students from each department nominated by the Head of concerned department.

##### Members of Research and Development Committee:

S. No.	Name of Member	Designation/Dept	Remarks
1	Mr. M. Sri Nagesh	Director – Industry Interaction & Research/ Professor-ECE	Convener
2	Dr. Y. Sessa Rao	Professor ME	Member
3	Dr. V. Venkateswara Rao	Professor MBA	Member
4	Mr. B. Mallikarjuna Rao	Associate Professor CSE	Member
5	Mr. R. Veeranjanyulu	Associate Professor IT	Member
6	Mr. M. Appa Rao	Associate Professor ECE	Member
7	Mr. K. Ramesh Babu	Associate Professor EEE	Member
8	Mr.T.Murali Krishna	Associate Professor CIVIL	Member
9.	Mrs. K. Arun Santhi	Assistant Professor AME	Member



### **Functions of Research and Development Committee:**

- To create awareness among faculty and students on research to make the institute as a Research Centre of affiliating University / Other Organizations.
- To promote Research and Development programme in newly emerging challenges in Science, Technology and Engineering.
- To encourage faculty and students to publish research papers and articles in journals of higher impact factor/ citation index.
- To recommend the institute to provide adequate infrastructure and support in terms of technology and information.
- To support the faculty in applying for research projects under various government funding agencies like AICTE, UGC, CSIR, DST etc.
- To provide facility to the faculty in the form of academic leaves for improving their qualification and quality of research and grant permission to utilize in-house R & D facilities to achieve the expected outcome of the projects proposed.
- R & D Committee acquires the information once in three months in the prescribed format on faculty involvement in guiding students, paper publications, research projects from external funding agencies and involving in collaborative research activity.
- R & D Committee conducts / participates in workshops, training programme and sensitization programme on capacity building in terms of research and consultancy and inculcates research culture among staff and students.
- R & D Committee invites guest lecturers (Scientist/ Professor) under Industry-Institute-Interaction (III) programme to promote research on industry needs and assigns senior and experienced faculty to various research organizations for getting collaborative projects and adopting best practices.
- R & D Committee proposes the institute to modernize the existing laboratories with additional experimental setups/ instruments and technology for utilizing the labs for research activity.

### **Impact on Recommendations:**

- Institute sanctions in-House R & D grant to the departments.
- All departments conduct frequent awareness programme to both faculty and students and encouraging them to take up industry/society oriented projects.
- Institute provides motivational incentives to the faculty who involve in acquiring Ph.D, in getting projects from external agencies and publishing papers in various National and International conferences.
- Laboratories are modernized with additional equipment and experimental set-ups to promote research activity in the campus.
- Institute sponsors the faculty and students to present papers at National /International conferences.
- Improved interactions between different departments for inter disciplinary research.

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

#### **Autonomy to the principal investigator**

- The Principal investigators who are sanctioned projects from various organizations like AICTE, MHRD, DST etc., will be given full autonomy in executing the project as per the guidelines of the funding agencies.

#### **Timely availability or release of resources**

- Institute provides all facilities and maintains timely release of funds for successful completion of the project in time.

#### **Adequate infrastructure and human resources**

- The departments have established well equipped research labs with necessary software and computing facilities to carryout research projects.
- College recruited senior faculty possessing Ph. D. degree who are competent to take up and guide research projects. Central library facilities are enhanced up dating with online national and international journals, digital library, hand books, reference books and material related to research activity.
- The work- load of the faculty will be adjusted to meet any such demand that requires his/her presence in a project.

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

- Faculty working on major research projects are given the facility to reduce their teaching work load to spend more time on research work.
- Institute sanctions academic leaves to faculty members for attending the workshops/seminars relevant to their research projects and associated works.

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

- The institute/department encourages the students and faculty to utilize the laboratories, library, computer centre and software for carrying out their research projects and also provides facility for obtaining the necessary information and technology from external sources.

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

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

**Any other**

- The institute invites scientists and reputed researches to share their experiences which enhance the research culture in the campus.

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

The departmental committee assesses the quality level of the research projects then forwarded to the committee, then, the committee assesses the project before giving approval. The strengths and areas of the departments where consultancy can be initiated are submitted to Industrial Consultancy Cell (ICC) which further promotes consultancy activities by visiting various organizations. The institution is in the process of initiating courses related to extension services such as certification and diploma courses etc. The initial draft is under preparation.

The college provides a substantial budget for in-house R&D. The teachers are being given cash awards for publication in referred journals. In the Best Teacher Awards scheme, R&D and Consultancy activities of faculty are given good weightage. Inculcating research in the mind of the student is the main motive of the institution. The institute motivates the students for higher education; the staff is always on its toes when it comes to encouraging the students to join higher education for research. To understand the basic needs of the present trend and to develop scientific temper and aptitude, the institution organizes industrial tours for third year students of all departments to interact with the industry to enable them to carry out a practical exposure. The college is in the process of obtaining nodal centre of IIT-Bombay so that the college can organize IIT- Bombay workshops for faculty in research areas to create curiosity among the faculty. The college is organizing workshops, seminars for the students to enhance the learning process in their respective areas with the eminent personalities from Industry.

College regularly conducts seminars, guest lectures, conferences & technical symposia etc., for the benefit of both students and faculty members. They do interact with resource persons during the above events and enhance their knowledge levels for carrying out the research. Faculty members are encouraged to share their technical exposure / specialized knowledge with other faculty members at regular intervals through discussions. Faculty members are constantly motivated to acquire higher qualifications.

**Sample list of eminent researchers visited the college**

S. No.	Name of resource person and organization	Date
1	Dr. D.NAGARAJU Assistant Professor, Acharaya Nagarjuna University, Guntur	30-09-2014
2	Dr. S.Siva Nagaraju, Professor, JNTUK, Kakinada	16-09-2014
3	Dr. Ch. Rupa, Professor, VR Siddartha College of Engineering, Vijayawada	08-012013
4	Dr.M.Rama Rao, Professor, RVR &JC , Guntur	14-02-2012

5	Dr. N Saidulu, Professor, NIT, Warangal	04.08.2012
6	Dr.D.Sreenivasa Kumar, Professor , Hosur Institute of Technology,Hosur	22-10- 2012
7	Dr.C.NAGARAJU, HOD&Professor –IT Department, LBRCE,Mylavaram	13-12-2011
8	Dr.Ch. Saibabu, Professor, JNTUK, Kakinada	12.10.2010

**Institute allocates the budget every year on the following:**

- Procurement of components and equipment to encourage in house R & D in every department to assist interested students.
- Grants special leaves to attend paper presentations, attending R & D orientation workshops, seminars etc. which create scientific temper and research culture among students.
- Provide infrastructure facilities, space for department research centers, procurement of equipment and software's, e-classrooms with LAN connection facility, LCD projectors, Audio-visual arrangements etc.

**Projects offered – The sample list of projects done by students with hardware or software prototypes**

Team	Roll numbers	Project
1	10KQ1A1217	Developing a HDFS Web User Interface for Write Operations
	10KQ1A1208	
	10KQ1A1203	
	10KQ1A1228	
	10KQ1A1215	
2	10KQ1A1213	Processing RDBMS data using HDFS and Map Reduce
	10KQ1A1226	
	10KQ1A1207	
	10KQ1A1221	
	10KQ1A1224	
3	10KQ1A1231	Solving the drawbacks of Map Reduce Combiners using In Mapped Combiners
	10KQ1A1230	
	10KQ1A1209	
	10KQ1A1222	
4	10KQ1A1202	Repartitioned/Regrouped Left Outer Joining Technique of Relational Data Using Map Reduce
	10KQ1A1210	
	10KQ1A1220	
	10KQ1A1214	
5	10KQ1A1211	Map Side Distributed Right Outer Joining Technique of Relation Data Using Map Reduce
	10KQ1A1201	
	10KQ1A1219	
	10KQ1A1227	

6	10KQ1A1206	Repartitioned/Regrouped Full Inner Joining Technique of Relational Data Using Map Reduce
	10KQ1A1229	
	10KQ1A1223	
	10KQ1A1204	
	10KQ1A1218	

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

- With the encouragement and motivational incentives provided by the college, one faculty member is doing the Post Doctoral fellowship and a good number of faculty have registered for Ph.D. The faculty members are actively involved in research work and good numbers of papers are being published in national and international journals. List of few faculty involved in R&D is shown below:

#### A) Faculty doing Post Doctoral Fellowship

S. No.	Name of the Faculty	Research Area	University	Place of Doing Research
1	Dr. Kaizar Hossain	Environmental Science	USM-TWAS Italy	School of Industrial Technology, University of Science, Malaysia

#### B) Faculty with Ph. D.

S. No.	Name of the Faculty	Research Area	University	Title of the Research Topic
1	Dr. C.V. Subba Rao	Mechanical Engineering	JNTUA Anantapur	Wear of IC engine valves and seat inserts
2	Dr. Y. Sesha Rao	Mechanical Engineering	JNTUH Hyderabad	Optimization of Tolerance Allocation for Mechanical Assemblies using Evolutionary Algorithms
3	Dr. Kaizar Hossain	Environmental Science	GITAM University, Visakhapatnam	Application of Electron Beam Radiation Technology for Sewage water Treatment
4	Dr. V. Venkateswara Rao	Finance	Singania university Rajasthan	An analytical study of Inventory management in Capital firms Industry.
5	Dr. M.V.S. Sudhakar	Human resources	Acharya Nagarjuna university, Guntur	A study on Occupational Stress and turnover intentions among Indian international call center agents

6.	Dr.A.Srikanth	Retail Management	Dr.B.R.Ambedkar Open University, Hyderabad	A Study of Marketing mix strategies on select food retailers in Andhra Pradesh
7	Dr. B Prabhakar Rao	User studies	SK University, Ananthapur	“Information needs and information seeking behavior of faculty doctors in government medical colleges of Andhra Pradesh.”

### C) Faculty Pursuing Ph.D

S. No.	Name of the Faculty	Register in University	Title of the research topic	Present Status
1.	Mr.M.Srinagesh	JNTUK, Kakinada	Micro Electromechanical Sensors for Pressure measurements	About to submit
2	Mr. M. Appa Rao	JNTUA, Anantapur	Calibration of sigma delta ADCS	About to submit
3	Mr. D. Srinivasa Rao	JNTUH Hyderabad	Waste water treatment using mongifera seeds	On going
4	Mr.B. Hari babu	Bharathiar University, Coimbatore	Mathematical modeling of some peristaltic flow of Bio-fluids through porous medium	Ongoing
5	Mrs. R. Anitha	Padmavathi mahila University, Tirupathi	Pattern Recognition	On going
6	Mr. Sk. Abdul Khadeer	Osmania University, Hyderabad	Simulation & Experimental analysis of Magnetically impelled arc but welding	On going
7	Mr. R. Veeranjanyulu	Karpagam Univeristy	A Risk management software frame work for distributed agile development project	On going
8	Mrs. K. Aruna Santhi	Acharya Nagarjuna university, Guntur	Analysis of Stress in Manufacturing Composite NANO pipes	Registered in 2014
9	Mr. Ch. Sreenivasa Rao	Acharya Nagarjuna university, Guntur	Awaiting Guide's Response	Registered in 2014
10	Mr. B. Mallikarjuna Rao	Acharya Nagarjuna university, Guntur	Outlier analysis in data mining	Registered 2014

**D) No. of Faculty acquired Higher Qualifications:**

No. of Faculty awarded Ph.D. : 6

No. of Faculty pursuing Ph.D. : 11

**E) Research Projects applied/completed to the funding agency**

Principal Investigators	Project Title	Sponsoring organization	Duration	Amount in Rupees	Status
Mrs. K. Aruna Shanthi (Automobile Engineering)	Improving fuel efficiency in automotive applications using light weight structural material	DST New Delhi	3 years	26,30,000	In process, considered for funding by DST
Mrs. R. Anitha (Computer Science Engineering)	Estimation of brain tissues in schizophrenic patients using image processing	DST New Delhi	3 years	30,10,000	In process, considered for funding by DST
Ms. Shaik Ayesha (Electronics and Communication Engineering)	Improving the efficiency of solar panels using semi conductor materials	DST New Delhi	3 years	27,45,000	In process, considered for funding by DST

- Using the infrastructure facilities and laboratories that are equipped to the level of research labs, the faculty members guide the students in their project works catering the needs of industry. Details are presented in table as below.

**Sample list of M. Tech. Students Projects**

Roll Number	Name of the Student	Project Title	Guide	Department
12KQ1D5801	B. Lakshmi Narayana	Optimal client server assignment for internet distributed systems	Mr. Ch. Koteswara Rao	CSE
12KQ1D5804	E Ravi Kumar	A scalable server design for mobile presence in geo-social applications	Mr. A. Jagadeeswara rao	CSE
12KQ1D5805	G. Lakshmi Narayana	A sensor network routing protocol to clear the damage from vampire attacks during packet forwarding	Mr. Ch. Koteswara rao	CSE

12KQ1D5806	K Sainath	Access policy consolidation for event processing systems	Mrs. R. Anitha	CSE
12KQ1D5808	K.Vyshnavi	Data security and authentication using edge adaptive image steganography and sts protocol	Mr. S. Giri babu	CSE
12KQ1D5809	M. Bhargavi	A technology for direct and indirect discrimination prevention in sensitive data	Mr. S.Phani kumar	CSE
12KQ1D5810	M.Shalini	Electricity cost saving strategy in data centers by using energy storage.	Mrs. R. Anitha	CSE
12KQ1D5811	N.Sai Vamsi Kumar	CAM: Cloud-Assisted Privacy Preserving Mobile Health Monitoring	Mr. A. Jagadeeswara Rao	CSE
12KQ1D5813	P.V.S.Swaraswathi	A fast and stable incremental clustering algorithm based on dissimilarity measures	Mr. B. Mallikarjuna Rao	CSE
12KQ1D5815	T. Nagaraju	A load balancing model based on cloud partitioning for public clouds	Mr. S. Phani kumar	CSE
12KQ1D5816	Ch Vamsi Krishna	Mona secure multi-owner data sharing for dynamic groups in the cloud	Mr. B.Srikanth	CSE

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

- The institute organizes interdisciplinary and department-wise workshops, training programmes and seminars focusing mainly on capacity building in terms of research and also to create research culture among staff and students.

The following are the details of such activities conducted during last four years.

Details of Guest Lectures organized in the last 4 Years:



**Details of Guest Lectures organized by the Institution**

<b>S. No.</b>	<b>Name of resource person and organization</b>	<b>Date of visit</b>	<b>Topic</b>
<b>Department of Civil Engineering</b>			
1	Mr. J.Kishore Babu, Chalapathi College of Engineering, Vijayawada	20-03-2014	Pre-stressed Concrete applications in Civil Engineering
2	Mr. D. Tirupathi , DA polytechnic College, Ongole	26-06-2013	Recent developments in Highways construction
3	Dr. M. Rama Rao. RVR &JC , Guntur	14-02-2012	Foundation design for Tall Buildings
<b>Department of Mechanical Engineering</b>			
1	Mr. Suneel Kumar, HOD, Narasaraopeta Engg College	29-04-2015	Nanotechnology Applications
2	Mr. Suneel Kumar, HOD, Narasaraopeta Engg College	11-04-2015	Over view of Nanotechnology
3	Mr. Pakirappa, Professor & Author.	22-01-2015	Recent Trends in manufacturing
4	Mr. Kota Pavan kumar, Merchant Navy,	17-9-2014	Guest lecture on merchant field
5	Mr. P. Bala Subramanyam, (ESSAR Projects India Ltd.)	22-8-2014	New trends in oil & gas refinery system
6	Mr. S. Venkateswara rao, (SEMES Mumbai).	18-7-2014	Industry Institute Interaction
7	Mr. S. Vamsi Krishna, (Tata motors pune).	14-6-2014	Introduction to CFD
8	Mr. G.V. Prasad, Numerical Sequence (Hyderabad)	14-3-2014	Numerical Sequence
<b>Department of Electrical &amp; Electronics Engineering</b>			
1	Dr.Ch Saibabu, Professor, JNTUK, KAINADA	12-10-2010	Advantage of Renewable Energy Sources and Concepts of Zero Energy Buildings
2	Dr. N Saidulu, Professor NIT, WARANGAL	04-8-2012	Deregulated Power Systems
3	P Srinivasulu Assistant Divisional Engineer, AP TRANSCO, Rural Ongole	26-02-2014	Power Quality and Harmonics
4	Mr. D Prasad Retd. MD	23-04-2014	Distribution and Protection Systems in Practical Sub Stations
5	Dr.S.Siva Nagaraju JNTU,KAKINADA	29-09-2014	Education Purpose and Student Responsibilities.
6	Dr.S.Siva Nagaraju JNTU,KAKINADA	29-09-2014	Optimization Aspects of Radial Distribution systems using Genetic Algorithm.

<b>Department of Computer Science and Engineering</b>			
1	Dr. D.NAGARAJU Asst.professor, Acharya nagarjuna university,Guntur	September, 2014	Data Mining
2	Dr. Ch.RUPA, Professor,VR siddartha college of ebngineering,Vijayawada	January,2013	Information security
3	Dr.D.Sreenivasa Kumar, Professor ,Hosur institute of technology,Hosur	October , 2012	Network security
4	Dr.C.NAGARAJU, HOD&Profesor,LBRCE,Mylavaram	December,2011	Image processing
<b>Department of Information Technology</b>			
1	Dr. M H M Krishna Prasad, Assoc.professor,JNTU Vijaya nagaram	October , 2012	Data Mining
2	Dr.C.NAGARAJU, HOD&Profesor,Dept. of IT, LBRCE	December,2011	Image processing
<b>Department of Electronics and Communication Engineering</b>			
1	D. Suresh Reddy JTO, BSNL	16-02-2012	Recent Trends in Telecommunications
2	Mr. Subbaraju Percharla Director - HR / Infoge Systems Hyd	25-08-2012	Industry expectations from Campus fresher
3	Manjunath Jayaram CEO / Nanocell Technologies, Bangalore	11-10-2012	Advanced Telecommunications and Technologies
4	Mr. Konda Reddy Globareena	03-12-2012	JAVA Learning
5	Mr. Samuel Globareena	04-12-2012	OOPS through JAVA
6	Mr. Konda Reddy & Mr. Samuel Globareena	05-12-2012	Core JAVA Program Skills
7	Mr. Chaitanya Globareena	17-12-2012	Training on Soft Skills
8	Ms. Buelah Globareena	18-12-2012	Skill set expected from ECE engineer
9	Mr. R.M. Suresh Principal Jauraselem Engg. College	28-7-12 & 29-7-12	Research Methodology
10	Mr. Suresan Pottisriramulu, Engg.College, Vijayawada	06-09-2012	Modern Usage of English
11	Mr. Anil Exe. Director / Man Hattem Review	25-01-2013	Mock Interviews for Fresh ECE graduates
12	Mr. Prasad Reddy Zonal Manager, Reliance Insurance	18-02-2013	Training on IRDA
13	Mr. Rajesh BDO/VISU Consultants	20-01-2013	Overseas Education & Opportunities.

14	Mr. Maria Antony HR / EIGI, Equipments, Coimbatore	02-03-2013	Journey to Corporate and Placement grooming
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**Details of research promoting Workshops/ Training Programme/ Sensitization Programme conducted/organized by the Institution**

S.No.	Date	Event Name	Branch
1	15-09- 2010	Conference on Emerging trends in Electrical Engineering National conference	EEE
2	04-08-2012	Workshop on Research methodology on Restructured power systems Engineering.	EEE
3	16-10-2012	Work shop on Research Funding by Government Agencies promoting research Among the Young researchers	Multi Disciplinary
4	01-05-2015 to 02-05-2015	International Conference on Recent Trends & Innovations in Engineering & Technology (ICRTIET02015)	Multi Disciplinary

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

- All departments are strengthened with qualified and experienced faculty. Based on the research specializations, research groups or individuals take up projects and publish papers in reputed journals. The research areas and the respective faculty expertise are given in the table as below

S. No.	Research Area	Faculty Expertise
<b>Department of Civil Engineering</b>		
1	Environmental monitoring (Air, water & soil)	Dr. Kaizar Hossain & Mr. D Srinivas Rao
2	Geotechnical Engineering	Mr. T Murali Krishna
3	Structural Engineering	Mr. J. Sunil Kumar Mr. G. Ganesh Naidu Mr. K. Sudheer Mr. C. Sai Yeswanth Mr. P. Sai Pavan Mr. M. Sri Deep & Mr. N. Sri Siva Prasad
<b>Department of Mechanical Engineering</b>		
1	IC Engines	Dr. C.V. Subba Rao
2	Production Technology	Dr. Y. Sesha Rao

3	Machine Design	Mr. K.V. Narasaiah, Mr. G.E. Babu, Mr. D. Ashok, Mr. R. Ajay Kumar, Mr. J. Siva Naga Raju, Mr. Y. Srinivas Reddy, Mr. K. Sri Harsha & Ms. R. Sai Lavanya
<b>Department of Computer Science</b>		
1	Data mining	Mr. A. Jagadeeswara Rao & Mr. B. Mallikarjuna Rao
2	Pattern Recognition	Mrs. R. Anitha
3	Web Technologies	Mr. S. Phanikumar
4	Information Security	Mr. Ch. Koteswara rao
<b>Department of Information Technology</b>		
1	Software engineering	Mr. R. Veeranjanyulu
<b>Department of Electronics and Communications Engineering</b>		
1	VLSI design	Mr. M. Apparao Mr. K. Bharath Kumar Mr. S. Ch. Kantharao Ms. Sk. Ayesha Mr. P. Siva Krishna Ms. R.K.S.N. Sruthi & Ms. V. Priyanka
2	DIP, Wireless communications	Mr. G. Rajesh
3	Optical communications and micro processors	Mr. B. Siva prasad & Mr. G.V. Ravi kumar
4	Signal processing & communication systems	Mr. N. Prakash Babu
5	communication systems	Mr. K. Sandeep
6	Embedded systems	Mr. G. Balanagi reddy
7	communication systems	Mr. S.V. Saikumar
8	VLSI & Embedded systems	Mr. B. Srinivas Ganesh
9	Microwave communications	Mr. K. Suresh
10	Micro Electro Mechanical Systems (MEMS)	Mr. M. Srinagesh
<b>Department of Electrical &amp; Electronics Engineering</b>		
1	Indirect Field orientation control of induction motor by using PID & Fuzzy logic.	Mr. K. Ramesh Babu & Mr. V. Veera Raghavulu
2	Power Quality	Mr. D. Prasad & Mr. K. Venkateswarlu
3	Optimal Placement Of Capacitor In Distribution System by using differential evolution algorithm	Mr. K.V. Narayana

4	Investigation of reduction of switching losses in a matrix converter using space vector modulation	Mr. M. Suneel Kumar
5	Design of effective Home embedded surveillance system using sensors	Ms. B. Hima Bindu
<b>Department of Auto Mobile Engineering</b>		
1	Simulation & Experimental analysis of Magnetically impelled arc but welding	Mr. Sk. Abdul Khadeer
2	Analysis of Stress in Manufacturing Composite NANO pipes	Mrs. K. Aruna santhi
<b>Department of MBA</b>		
1	Financial Management	Dr. V. Venkatewara Rao, Dr. M.V.S. Sudhakar & Mr. Ch. Sreenivasa Rao
2	Marketing Management	Mr. P.R.V. Ramanjaneyulu Mrs. M.Parameswari
3	Human Resource Management	Ms. T.L. Sravani kumari Ms .J. Sravani, Ms. D. Pushpasri & Ms. Ch. Vijay kumar

#### Facility available in campus for collaboration for R & D

S. No.	Department	Name of the Lab
1	Department of Auto Mobile Engineering	Thermal Engineering
		Heat Transfer Lab
		Auto Mobile Engineering
2	Civil Engineering	Environmental Engineering
		Geotechnical Engineering
		Structural Engineering
3	Department of Mechanical Engineering	Thermal Engineering
		Production Technology
		Dynamics Labs
4	Electrical & Electronics Engineering	Electrical Machines
		Power Electronics
		Control Systems
		Electrical Simulation
5	Department of CSE & IT	Big Data
		Cloud Computing
		Central Computer lab
6	Electronics and Communications Engineering	Signal processing
		Embedded systems
		VLSI & Embedded systems
		Microwave communications

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

College, through IIR cell, is in constant interaction with eminent researchers and Industrial Personnel and invites them to share their expertise and experience in their respective field with the faculty and students. A few of eminent researchers and retired scientist/professors from various research organizations and reputed universities are taken on to the board as Visiting Professors and emeritus professors who will be visiting the campus to guide the faculty and students and enhance research culture in the campus.

The college organizes various guest lectures, seminars and workshops through which the faculty and students interact with academicians and experts from industry who have excelled in their relevant fields.

#### Statement showing the details of eminent researchers / resource persons visited the college during last 4 years

S. No.	Name of resource person and organization	Date of visit
<b>Department of Civil Engineering</b>		
1	Dr. M. Rama Rao. RVR &JC , Guntur	14-02-2012
2	Mr. J.Kishore Babu, Chalapathi College of Engineering, Vijayawada	20-03-2014
3	Mr. D. Tirupathi , DA polytechnic College, Ongole	26-06-2013
<b>Department of Mechanical Engineering</b>		
1	Mr. Kota Pavan kumar, Merchant field(NAVY),	17-9-2014
2	Mr. P.Bala Subramanyam, (ESSAR Projects India Ltd.)	22-8-2014
3	Mr. S. Venkateswara rao. SEMES Mumbai.	18-7-2014
4	Mr. S. Vamsi KrishnaTata motors Pune	14-6-2014
5	Mr. G.V. Prasad, Numerical sequence(Hyderabad)	14-3-2014
6	Mr. P.I. Prabhakar. Body language, (Hyderabad)	05-2-2014
<b>Department of Electrical &amp; Electronics Engineering</b>		
1	Dr.Ch Saibabu, Professor,JNTUK, KAINADA	12-10-2010
2	Dr. N Saidulu, Professor,NIT, WARANGAL	04-08-2012
3	P Srinivasulu,Assistant Divisional Engineer, AP Transco, Rural Ongole	26-02-2014
4	Dr.S.Siva Nagaraju Professor JNTUK,KAKINADA	29-09-2014
<b>Department of Electronics and Communication Engineering</b>		
1	D. Suresh Reddy JTO, BSNL	16-02-2012
2	Mr. Subbaraju Percharla Director - HR Infoge Systems Hyd	25-08-2012

3	Manjunath Jayaram CEO Nanocell Technologies, Bangalore	11-10-2012
4	Mr. Konda Reddy Globareena	03-12-2012
5	Mr. Samuel Globareena	04-12-2012
6	Mr. Konda Reddy & Mr. Samuel Globareena	05-12-2012
7	Mr. Chaitanya Globareena	17-12-2012
8	Ms. Buelah Globareena	18-12-2012
9	Mr. R.M. Suresh Principal Jauraselem Engineering College	28-7-12 & 29-7-12
10	Mr. Suresan Pottisriramulu, Engineering College, Vijayawada	06-09-2012
11	Mr. Anil Exe. Director / Man Hattem Review	25-01-2013
12	Mr. Prasad Reddy Zonal Manager, Reliance Insurance	18-02-2013
13	Mr. Rajesh BDO/VISU Consultants	20-01-2013
14	Mr. Maria Antony HR / EIGI, Equipments, Coimbatore	02-03-2013

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

- About 4% of the faculty members have utilized sabbatical/ Study/Academic leave for research activity.
- The institute provides academic leave facility to the faculty who are required to attend the courses at the respective universities where they are doing their Ph.D under external registration to fulfill the prerequisites.
- The faculty who availed such encouragement given by the college contributes to improve the quality of research in the institute in the following ways.
- Applying for research projects from various external funding agencies.
- Modernization of the laboratories through procuring the equipments required for carrying the research in the institute.
- The institute has a policy to depute faculty to prosecute their Ph.D at reputed Universities enabling them to promote research culture in the campus.
- Enhanced their knowledge levels in research activity and teaching learning process.
- The increase in number of faculty with Ph.D qualification, the image, reputation and higher grade accreditation requirements have been enhanced.
- Encouraged the faculty to apply and get research projects from various state and central government organizations.

**3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the**

### **institution and elsewhere to students and community (lab to land)**

The college encourage the students to do projects which are of industrial and social relevance and they are normally directed to refer to journals in identifying the projects for their interest. Wall magazines, where the articles related to latest advances in technology also helps in creating awareness about the latest findings. Live models are also prepared and exhibited in various events.

## **3.2 Resource Mobilization for Research**

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

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

- The Institute earmarks Rs.10 lakhs budget to all departments in every year for in house R& D. The budget allocation details to each department is as below:

<b>S. No.</b>	<b>Department</b>	<b>Sanctioned Amount (Lakhs)</b>
1	Civil	1.2
2	Automobile Eng.	1.2
3	Mechanical	1.2
4	EEE	1.2
5	ECE	2.0
6	CSE & IT	2.0
7	MBA	1.2
<b>Total</b>		<b>10 lakhs</b>

- The institute also provides budget for advance software packages and equipments which are necessary to carryout research projects in the respective departments.
- Text books, reference books and hand books related to advanced topics are also added to the college library for the use to the faculty and students to carry out their research activity.

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

There is a provision in the Institution to provide seed money to faculty for research. The Institution has supported three research projects submitted for sanction by DST by advancing funds for submitting project proposals.



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

The institute provides the financial support for the students to develop the prototypes and presenting their technical papers. TA and DA are paid to the students for their presentations of papers at prestigious institutes like IITs and NITs.

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

The institute encourages the departments to undertake inter-disciplinary research and to organize workshops and seminars.

The Director (II &R) organizes meetings with the faculty of various departments to develop the better interaction between them for inter-disciplinary research.

A few examples are given below

#### Example

1. Faculty development program in "ENGINEERING DRAWING" held on 7/03/2014, conducted by Mechanical Engineering Department in association with Automobile Engineering and Civil Engineering Departments.
2. One Day National Level Faculty Development Programme "PEDAGOGY APPROACHES IN UNDERGRADUATE PROGRAMMES" September 29th 2014, conducted by The Department of MBA in association with Electronics and Communication Engineering Department.
3. Pro E Cad Cam software training for Mechanical and Automobile undergraduate Students.

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

- The institute remains open one extra hour beyond the regular working hours. All the faculty will stay during this extra hour to help the students in their academic related activities and also to carry their mini project works.
- All equipments in the laboratories are calibrated and made available to faculty for their research activity and also to student for their practical's purpose.
- In our college, the laboratories and other research facilities are left open for both faculty and students beyond the official working time for their research work purpose.
- The institute Library and Information Centre facilitates a conducive research environment by subscribing the necessary national &

international online journals every year, provisional budget sanction provided to library to purchase text books, reference books and other relevant research material.

- The institute has developed some laboratories as research labs by procuring research specific equipment/instruments and software. Using these lab facilities, the faculty and student can carry out experimental work on their research projects and publish the results in various national and international peer reviewed journals.

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

The institute encourage the faculty to carryout fund supported research from various funding agencies like UGC, DST, AICTE etc.,

- **Few provisionally accepted projects for presentation by DST for Funding**

Department	Project Title	Sponsoring organization	Duration	Amount in Rupees	Status
Automobile Engineering	Improving fuel efficiency in automotive applications using light weight structural material	DST New Delhi	3 years	26,30,000	Approved by DST for presentation to fund the project.
Computer Science Engineering	Estimation of brain tissues in schizophrenic patients using image processing	DST New Delhi	3 years	29,63,000	Approved by DST for presentation to fund the project
Electronics and Communication Engineering	Improving the efficiency of solar panels using semi conductor materials	DST New Delhi	3 years	28,48,000	Approved by DST for presentation to fund the project

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

- The college encourages the faculty to get research and provide autonomy to all principal investigators of respective projects as per the guidelines instructed by funding authorities.
- The college also provides the necessary infrastructure, space, internet along with printers for carrying out their research activities.
- The college deputed senior faculty to faculty development programme,

skill enhancement programme related to research projects and also provide On Duty leave to present papers at conferences.

### **3.3 Research Facilities**

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

- Many faculty members have registered for Ph.D as external research scholars of other Universities. The institute provides the following facilities and incentives to encourage their research.
- The library provides access to e-journals, printed journals, reference material and thus supports the research work of students and faculty.
- Computer Centre provides the computing facility.
- Project laboratories; Special/Advanced equipment laboratories with appropriate software of individual departments.
- Most of Departments are organizing faculty seminars on every Saturday with one or two faculty from each research area presenting the latest developments in their area for the benefit of other faculty members and PG students.
- A server is dedicated to access research papers/magazines/e-books. This access is available for all students/faculty/staff at any time during working hours.

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

- Institute makes separate budget allocation every year for purchasing advanced equipments in laboratories beyond the syllabus curriculum and to procure latest software to enhance the R & D activities in emerging areas.
- Institute encourages faculty to promote research environment and provides incentives to publish journal papers and to get research projects from industry and funding agencies.
- All departments conduct seminars and workshops for inculcating research culture among faculty and students.
- Institute arranges guest lectures by eminent researches on emerging and new areas of research.

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

No

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

- UG and PG students are always encouraged to do their project work at research organizations and industries like Microsoft, TCS, Logitech, Wipro, LG, BSCPL etc.,
- Faculty members pursuing Ph.D programme are allowed to avail the laboratory facilities in their respective Universities and other research facilities availed by the parent universities and guide.

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

- The library provides access to 25000 e-journals and 40 print journals, 7,000 e books and 3,100 reference books through which the researchers can access reputed journals.
- The Digital Library consists of 30 computers with multimedia and Internet facility. It also provides E-Learning material like NPTEL, MIT etc., wherein the faculty can refer back the fundamental concepts of some of the emerging areas.
- Library Network Memberships : DELNET, IE, IMF
- Library Automation: The library is fully automated with ECAP software for systematic database management

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

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

## **3.4 Research Publications and Awards**

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

- \* **Patents obtained and filed (process and product):** Nil
- \* **Original research contributing to product improvement:** Nil
- \* **Research studies or surveys benefiting the community or Improving the services**
  - 1) IV. B.Tech Civil Engineering students (2011-14) conducted the Field survey to improve the sewage system in Housing board Colony, Ongole.
  - 2). IV. B.Tech Automobile Engineering students (2011-14) conducted vehicles pollution checking survey on National Highway – 5 near Vallur, Ongole.
- \* **Research inputs contributing to new initiatives and social Development :** Nil

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

Yes, Entered MoU with IRD- India, Bhubaneswar for joint research collaborations and publications

**3.4.3 Give details of publications by the faculty and students:**

**Details of Publications / Paper presentations / Book publications by the faculty during last 4 years.**

S. No.	Activity	Duration			
		2014-2015	2013-2014	2012-2011	2011-2010
1	Publication by faculty	20	16	15	21
2	Papers published by faculty & students	20	16	15	21
3	No. of publications listed in International Data Base	0	0	0	0
4	Monographs	0	0	0	0
5	Chapter in Books (Manuals)	0	0	0	0
6	Books edited	0	0	0	0
7	Books and Journals with ISBN / ISSN	16	01 & 12	11	9
8	Citation Index	19	11	05	04
9	SNIP / SJR	0	0	0	0
10	Impact Factor	0	0	0	0

**Citation Index for Dr. Kaizar Hossain from Google**



### 3.4.4 Provide details (if any) of Research awards received by the faculty

Dr. Kaizar Hossain of Civil Department received prestigious author scientific credits from OMICS publishing group, USA.

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

Reorganization of Dr. Kaizar Hossain in reputed professional bodies and agencies, nationally and internationally

1. National Panel of Expert Members of Engineers Without Borders (EWB) – India.
2. Member of International Society for Environmental Information Sciences, Canada
3. Member of ISI web: A Global Community where researchers connected, published by Thomson Reuters. Researchers ID- H-2461-2012.
4. Member of International Water Association (IWA), Water Wiki: - information resource and hub for the global water community.
5. Life member of National Association for Application of Radio-isotopes and Radiation in Industry (NAARRI). Mumbai. LM-1188.

Dr Kaizar Hossain's honors and awards as Journal's Editorial Board Member:

1. Editor in-Chief, International Journal of Sustainable Energy and Environmental Research Advisory Board Member in
2. World Journal of Pharmacy and pharmaceutical Sciences (Bulgaria) Editorial Board Member for
3. Journal of Sustainable Engineering (USA) American Institute of Sustainable Science & Technology (AISST)
4. Journal of Environmental Engineering and Technology (JEET) [USA]
5. European Journal of Sustainable Development (Italy)
6. Journal of Basic & Applied Sciences (Canada)
7. International Journal of Pharmacy and Pharmaceutical Sciences (India)
8. Medical and Biological Sciences of World Academy of Science, Engineering and Technology (USA).
9. Comprehensive Journal of Environmental and Earth Science (Nigeria)
10. International Journals of Engineering & Sciences (IJENS)
11. International Journal of Advanced Technology and Engineering Research (CSIR, India)
12. Journal of Pharmaceutical and Biological Sciences (Malaysia).
13. International Journal of Environmental Science, Management and Engineering Research (IJESMER) (Kenya)
14. Current Research in Engineering Science and Technology (CREST) Journals (India)
15. British Journal of Pharmaceutical Research (University of Houston, USA).
16. Research Open Journal of Water (Science & Technology

Publication)

17. World Research Journal of Zoology (Science & Technology Publication)

Reorganization of Prof. M.Srinagesh in reputed professional bodies and agencies, nationally and internationally.

1. Member Institute of Electrical and Electronics Engineers (IEEE) Id: 90645771
2. Member International Society of Automation. (ISA-USA) Id: 33184777
3. Member (Life) and Chartered Engineer of Institution of Electronics and Communication Engineers (India) – IETE- M125934.
4. Member Instrument Society of India (ISoI)- IISc., Bangalore –LM 1570.
5. Member(Life) Indian Science Congress – (GoI) –L18153

Nominated for international award of leading professionals of the world 2013

Nominated by international Biographical center Cambridge, England

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

Faculty members are encouraged to attend seminars, conferences, workshops and short- term courses by providing TA/DA and registration fee.

Necessary books and journals are provided for those who are pursuing research. Sufficient freedom is allowed to the staff for innovation and reforms in the teaching and learning process.

Faculty members are sanctioned study leave for pursuing Ph.D. and M.Tech. Programme in premier Institutions.

All the faculty members with M. Tech/ Ph.D are encouraged to apply for financial assistance to any research funding agencies.

Faculty members are encouraged by giving TA, DA and OD facility by the management to present innovative and research papers in conferences and financial incentive for publishing research articles reputed journals with high impact factor.

### 3.5 Consultancy

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

- The departments have constituted Department Development Committees to collaborate with industries and outside organizations and to take up consultancy works.
- Civil Engineering department has arranged training programmes to the students on technical skills who wish to choose their career as consultants
  - i) Training on carrying out site surveys using total station
  - ii) Training on Auto-CAD to prepare building drawings and structural detail drawings
  - iii) Training on soft wares like STAAD-PRO & ARC GIS etc.
- Mechanical and Automobile engineering department is having training tools like ProE and ANSYS simulation and CAD soft wares to train the students.
- Nurture excellence among students and faculty in the field of computer applications, laboratory testing to cater the needs of customers and skills in developing technical models etc.

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

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

#### **The functions of Consultancy Cell:**

- To purchase necessary equipment in labs and to promote consultancy activity
- To procure software for design of structures and for obtaining the results on projects taken up under consultancy
- Calibration of electrical meters
- Consultancy for conduct of online examinations
- Third party inspection services to Govt. buildings & projects
- To prepare modules for GATE, GRE and other competitive examinations
- To meet the challenging practical problems through consultancy



**The following measures are taken to publicize on various consultancy services offered by the institute**

- Providing information on the faculty expertise, testing equipment and facilities available in college website
- Participating in seminars, conferences and workshops to enhance the consultancy expertise and the lab testing facility
- Inviting industries and other organizations offering the services of the college consultancy cell to meet their problems

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

- Institute encourages the staff involved in major consultancy works by reducing their teaching work load.
- Institute sanctions academic leaves to faculty members for attending the workshops/seminars relevant to their consultancy work.
- Institute offers monetary benefits to faculty involved in consultancy as per the college policy.
- Institute provides free transport facility to faculty to make field and industrial visits and meet the consultancy demands.
- Faculty members are permitted to utilize the infrastructure and lab facility to perform the laboratory tests and use of software for solving and analyzing their consultancy projects.

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

**Table: Major consultancy Services taken up by Civil Engineering and the revenue generated during last 4 years**

S. No.	Nature of the consultancy work	No. of Works	Amount Received
<b>2014-15</b>			
1	Material testing and Concrete mix design M20 for ZPH school building at Kinakanmitla (V & M)	1	5000-00
2	Cement testing for 40 m GBT Foundation at Anakapalli	1	250-00
3	Cement testing for 40 m GBT Foundation at Chintala dinne palem	1	250-00
4	Cement testing for 40 m GBT Foundation at Etcherla	1	250-00
5	Cement testing for 40 m GBT Foundation at Nandigama	1	250-00
6	Concrete cube testing for Guptha Construction	1	500-00
<b>2013-14</b>			
1	Testing of Cement , aggregate and sand for improvement to pamur old tank	1	8000-00
2	Soil testing for improvement to sanhavaram tank	1	3000-00

3	Testing of aggregate sand and cement for improvement to Dubagunta tank	1	2000-00
4	Testing of Cement , aggregate and sand for improvement to Nagula tank bund, Donakonda (M)	1	2000-00
5	Testing of concrete cubes for construction of cell tower at Malikapuram (V)	1	500-00
6	Testing of concrete cubes for construction of cell tower at Anakapalli	1	500-00
7	Testing of concrete cubes for construction of cell tower at Chintaladinne palem	1	500-00
8	40 m GBT Foundation at Mallikapuram	1	250-00
<b>2012-2013</b>			
1	Minor irrigation Restaration of west kattakinda palli tank in pamur (M.D) prakasam (Dist)	1	7200-00
2	Testing of concrete cubes for swathi concrete bricks	1	600-00
3	Soil testing for Model School at chundi (V) Kandukur (Division )	1	2250-00
4	Soil testing for Model School at Mekapadu and chundi (V) Kandukur (Division )	1	2250-00
5	Testing of Concrete tubes for Anjali Granites	1	600-00
6	Testing of Fly-ash bricks	1	600-00
7	Testing of Concrete Tubes for Bellium Exports limited	1	5400-00
8	Testing of Concrete Tubes for Bellium Exports limited	1	1000-00
9	Testing of Cement concrete cubes for NCC and power grid corporation	1	1350-00
10	Testing of Flyash bricks	1	1500-00
11	Testing of Flyash bricks	1	1600-00

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

**Policies on Consultancy:**

The policy of the department in sharing the income generated through consultancy is 80:20 basis (staff involved: Institution). There by eighty percentage (80 %) of the total charges received from the company for the consultancy work will be disbursed to the faculty who are executing the consultancy work. The proportion is designed so as to encourage the faculty for doing consultancy work.

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

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

The institute has NSS Unit with a total strength of 150 members and affiliated to JNTU, Kakinada and organizes many social service and community development programme and inculcates the importance of social responsibility and service in the minds of students.

Career & Guidance Cell of the college creates self confidence particularly to the newly admitted students at first year level. The cell also interacts frequently with students and clears the doubts related to academic and personal matters of the students.

The college has established Entrepreneur Development Cell (EDC). The objectives of the cell are developing entrepreneurial spirit, characteristics and personality among students.

- Developing technological and professional competency needed for employment and productive work.
- Managerial capabilities to run business or self-employment activity successfully.
- To contribute towards creation and dissemination of new knowledge and insight in entrepreneurial theory and practice.

The institute promotes the institution- neighborhood community network by organizing the following activities.

- Developing leadership quality among the students and unemployed youth
- Health awareness camp and Blood Donation Camps
- Create awareness on Education in rural area.
- Clean and green activities and Awareness on Environment protection

The college organizes different social service activities in association with Lions Club, etc.

The institute encourages students and staffs various NSS programme in contributing good citizen ship and service orientation.

#### Various programme organized through NSS

1. The student also participate in organizing Blood donation camps in and out of the campus and also conducting motivation programme about the importance of blood donation.
2. The student and staff also participate in NSS camps to various villages and motivate them about eco-green projects.
3. Institute NSS cell organizes programs through the students to bring awareness among the public in neighboring areas on matter like prevention of AIDS , spreading of deceases.

**NSS Committee consists of following members**

S. No.	Name of the Faculty	
1	Ch.Ramesh	Programme Officer
2	Sk.Fayaz	Member
3	B.Haribabu	Member
4	K.Kotireddy	Member
5	Sk.Mastanaiah	Member

**Few of the programme organized by Institute NSS committee**

Committee Activities			
S. No.	Event	Date	No. of Students Participated
1	Blood Donation Camp	26/02/2010	95
2	Blood Donation Camp	1/10/2010	86
3	Blood Donation Camp	7/4/2011	136
4	Blood Donation Camp	11/1/2013	70
5	Blood Donation Camp	1/10/2013	82
6	Blood Donation Camp	3/4/2014	76
7	Clean And Green Programme	5/1/2012	50
8	Plantation	5/1/2012	51
9	Literacy Awareness	7/1/2012	48
10	School Drop-Outs And Sports For Children	6/1/2012	50
11	Free Medical Camp	16/02/2013	50
12	Free Medical Camp	9/1/2012	50
13	Literacy Awareness	4/2/2013	50

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

- Institute creates awareness among the students about the need of enrolling in electoral voting during general elections and also to motivate the public on usage of Vote Right.
- Institute organizes seminars to develop leadership quality among the students and unemployed youth.
- Institute organizes seminars about social responsibility of citizens like:
  - Organizes health awareness camps for public (AIDS awareness programme) and Blood Donation camps.
  - Conducting free classes to school children on simple basics of mathematics and sciences.
- Creating awareness about hygienic environment and pollution free climate.
- Arranges seminars on Right to Information Act.

**The institute NSS Cell organizes various activities in collaborating with other organizations are:**

- Sapling /Environmental Awareness, Road Cleaning campaign was conducted by the college and co-sponsored by LIONS CLUB.
- Health check-up camps are organized by RIMS.
- Blood donation camps are organized by Red Cross Society& RIMS.

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

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

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

The institution plan and organize various extension and outreach programme every year are:

- Training and Placement Cell
- ISTE, ISLE EWB,IEI chapters.
- E-Journal Facility.
- Arranging Industrial Visits.
- The institute encourages the students to be a part of a research work along with their faculties so that they can acquire the technical skills.
- The Institute conducts regular Alumni meets, once in a year inviting all the ex- students to share their experience with current batch students.

**Budgetary details of NSS activities for last four years:**

Academic year	NSS special camp	Blood donation	Voters day	Clean & green programme	Free Medical camp
2014-2015	22500	6000	--	4500	10000
2013-2014	22500	6000	--	4500	10000
2012-2013	22500	5500	4000	4200	10000
2011-2012	22500	5500	4000	4200	10000

**Sample plan for 2015-2016**

S. No.	Event	Planned Date(s)
1	Blood Donation Camp	7/4/2015
2	Clean And Green Programme	5/1/2016
3	Plantation	5/1/2016
4	Literacy Awareness	7/1/2016
5	School Drop-Outs And Sports For Children	6/1/2016
6	Free Medical Camp	9/1/2016

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

The College has a NSS cell with a total strength of 150 members, affiliated to J.N.T.U. K. Kakinada. The unit was established with an objective to cultivate the attitude of social service in the minds of students and faculty to make them into responsible citizens.

- The members of NSS unit and the faculty participate in special and regular camp activities every year.
- NSS programme Officer of the college underwent training at JNTUK.
- Students participate in NSS Youth Fests in JNTU and other colleges.
  - Blood Donation Camps are frequently organized at institute Campus.
  - The institution with the help of NSS unit organized a program at VALLURU to create awareness among people regarding GLOBAL WARMING.
  - Campus clean and green programmes are organized in college.

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

- Special classes are conducted for rural people to create awareness on literacy.
- The college Social Service unit has been organizing blood donation camps in the college.

- The college faculty along with the students have been visiting the local slums and the blind home to take up charity activity.



Awareness programme on literacy at kottapatnam



Discussing about their problems in oldage home at kottapatnam village



PACE NSS volunteers are doing Plantation at vasaepallipadu village



PACE Secretary Sri M.Sridhar garu distributing books at Govt high school children at vasaepallipadu village



PACE NSS volunteers Distributing fruits to the old age home people



Conducting Free medical camp at vasaepallipadu village





PACE Students are doing the clean & green programme at bagyanagar



PACE NSS volunteers are conducting games to the school children.



PACE Students are distributing the food items to the flood effected people



Creating awareness to school dropouts at vasaepallipadu village



Blood donation camp at college campus



Tree plantation programme at our college campus





PACE NSS volunteers are Conducting a rally on awareness on AIDS at Ongole



Free Eyes Checkup through NSS Unit

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

In the extension programmes planned (Social Volunteering, Industrial visits, Language club activities, Student lecture programme), the student involvement will be ensured. The participation helps in value based education, improving the organization and leadership skills of the students.

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

The services of some of our non-teaching staff and students residing in various villages around the college are encouraged to involve in the community development programme.

The local villagers are initially consulted and the youth of the villagers are made to involve in all the NSS activities.

Extensive support from the students are witnessed during tree plantation, blood donation etc. the Alumni association is also involved in all these extension activities.

The institution has taken the initiative to make aware the society about social and health problems like female feticide, dowry system, environment protection, consumer protection awareness, anti corruption, HIV awareness, anti tobacco and cleanliness awareness etc.

In NSS Special camp the following are the day to day events held.

S. No.	Name of the Event
1	Inauguration of the special camp
2	Clean and green programme
3	Plantation
4	Literacy awareness
5	Awareness of School drop outs
6	Sports to the school children
7	Free Medical camp & eye camp
8	Valedictory and prize distribution

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

The institution has constructive relationships with other institutions of the locality like Red Cross Society, RIMS, Lions Club etc.

The blood donation camps are organized at regular intervals with the help of Red Cross Society, RIMS and Lions Club.

The unit organizes sapling, Slum area cleanliness, and Awareness activities like, Plantation, Pollution, and Traffic.

**3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.**

Certificated of appreciation received from RIMS and life line plus for services provided for year 2015.

**3.7 Collaboration**

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

The RDC has initiated communication with scientific organizations like ISRO and other prominent institutes like IIT Bombay for collaborative research and student/research scholar internships. (Email communication and web information is available)

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

Institute is planning to establish Technology Business Incubation Centre (E mail confirmation about receipt of our proposal by NSTDB-DST is available)

and product research work is going on for various industries. The industries are providing funds for procuring laboratory equipment.

MoUs details are provided below:

S. No.	Name of the company	MOU for	Year
1	ManHatten india pvt. Ltd.	Campus recruitment & training	2011-13
2	Co-cubes	Assesment & placement assistance	2012-13
3	Unisys innovation labs	Webinars on virtual cloud computing	2013-14
4	Global career point	Campus recruitment training & Communication skill development training	2014-15
5	3I Technologies,(A MSME unit) at Guntur	Product development in LED illumination	2014-15
6	Visual street light (P) Ltd, Hyderabad T.S.	CCEMS for municipal Street lights	2014-15
7	Pace power Systems (P) Ltd, Benguluru, K.S.	Efficient Power Converters	2014-15
8	Guttitech solutions,hyderabed	E- learning content development	2014s

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

Institute is a member of Jawahar Knowledge Centre (JKC) and through JKC assoc- -ation few students got Placements in reputed industries like Infosys.

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

S. No.	Name of resource person and organization	Date/s
<b>Department of Civil Engineering</b>		
1	Dr.M.Rama Rao. RVR &JC , Guntur	feb, 2012
2	J.Kishore Babu, Chalapathi College of Engineering	feb,2012
3	Mr.D.Tirupathi , DA polytechnic College, Ongole	June,2013
<b>Department of Mechanical Engineering</b>		
1	Mr. Kota Pavan kumar, Merchant field(NAVY), (Qis college of Engineering).	17/9/2014

2	Mr. P.Bala Subramanyam, New trends in oil and gas refinery system(ESSAR Projects India Ltd.)	22/8/2014
3	Mr. S. Venkateswara rao, Industry institute intraction. (SEMES Mumbai).	18/7/2014
4	Mr. S. Vamsi Krishna, Introduction to CFD,(Tata motors Pune).	14/6/2014
5	Mr. G.V. Prasad, Numerical Sequence(Hyderabad)	14/3/2014
6	Mr. G.V. Prasad, Group discussion Techniques, (Hyderabad)	10/3/2014
7	Mr. P.I. Prabhakar. Body language, (Hyderabad)	5/2/2014
8.	Dr.B.V.R.Gupta, Retired Professor & HOD, Mechanical Engineering Dept. Andhra University College of Engineering, Vizag. . (ICRTIET-2015)	01/05/2015
<b>Department of Electrical &amp;Electronics Engineering</b>		
1	Dr.Ch Saibabu,Professor,JNTUK, KAINADA	12.10.2010
2	Dr. N Saidulu,Professor,NIT, WARANGAL	4.8.2012
3	P Srinivasulu,Assistant Divisional Engineer	26.02.2014
4	Mr. D Prasad,Retd. MD	23.04.2014
5	Dr. S.Siva Nagaraju, JNTU,KAKINADA	29.09.2014
6	Dr.R.P.Das, Prinicipal Vignan Engineering College, Vizag. (ICRTIET-2015)	01.05.2016
<b>Department of Electronics and Communications Engineering</b>		
1	Dr.Mihir Mohanthy, Professor- ECE, SOA University, Odisha. (ICRTIET-2015)	01.05.2015
2	Dr. A.Narendra Babu, Professor-ECE,LBRCE, Mylavaram. Research Scientist –ISRO Projects(ICRTIET-2015).	01.05.2015

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

**a) Curriculum development/enrichment**

As the institute is affiliated to JNTU, Kakinada the university reviews the curriculum as per the university norms and provides the information every year through the regulation book print copy.

**b) Internship/ On-the-job training**

Collaboration with various industries provides an opportunity to the students for industry exposure, acquiring training skills for placements and getting projects from industries.

**c) Summer placement**

Collaboration with various industries / organizations help the students to undergo short-term training and internship programme during summer vacation period and semester break period.

The college deputed B.Tech students to industries for taking up live projects and work at industry for short duration period.

**d) Faculty exchange and professional development**

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

Institute also deputed faculty to exchange their research expertise at workshops, conferences and training programs arranged at other colleges/organizations. College also arranges frequently faculty development programmes inviting resource persons from reputed institutions.

**e) Research**

Institute encourages the faculty to take up research projects offered by AICTE, DST, MHRD and other State and Central Government organizations.

Institute is also extending incentives to the faculty who publish papers in journals and conferences.

**f) Consultancy**

The college has established consultancy cell and encourages the faculty to take up consultancy works and to extend services catering the needs of the society and industry / companies.

**g) Extension**

The following are some of the extension services taken up by the college Using AUTO LEVELS and marked the locations of roadways, buildings and other important Amenities in the campus.

**h) Publication**

The institute encourages the faculty to publish their research outcome results in journals and conferences.

**i) Student Placement**

Providing job market information and related inputs to students

Pre-placement training from third year onwards by agencies like Success Key, Globarena Technologies, Time Institute etc.

Personality Development Programmes and frequent Assessment Tests in Aptitude, Reasoning and Verbal.

Evaluation of students by external assessment agencies

#### **The Placement details during last 4 years**

<b>Year</b>	<b>2014-2015</b>	<b>2013-2014</b>	<b>2012-2013</b>	<b>2011-2012</b>
No. of Students Placed	94	108	93	85

#### **j) Twinning programme: NIL**

#### **k) Introduction of new courses**

Keeping in view the needs of the society and industry/company the following new courses/increase in intake are introduced during last 4 years.

<b>Year</b>	<b>New Courses introduced</b>	<b>Increase in Intake</b>
2014-2015	B.Tech in Civil	60
	B.Tech in ECE	60
	M. Tech in Civil	18
	M. Tech in Mech	18
	MBA	60
2013-2014	B.Tech in Civil	60
	B.Tech in Mech	60
	M.Tech in ECE	18
	M.Tech in EEE	18
	MBA	60
2012-2013	B.Tech in CSE	60
	M.Tech in CSE	18
2011-2012	B.Tech in ECE	60
	MBA	60

#### **l) Student exchange**

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

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

The departments organize state-wise and inter collegiate festivals, seminars and technical paper contests and students from various institutions exchange their ideas in thrust areas of engineering and other fields.

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

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

- The institute has a Research Committee. The functions and outcome impact are presented in Criterion-III, Item No.3.1.2.
- The college provides budget for in-house R & D.
- Institution provides seed money to undertake industry oriented student projects and in-house R&D projects by faculty.
- Workload will be reduced to senior faculty who involve in major R&D projects and consultancy.
- Faculty will be sponsored regularly to attend important workshops and seminars arranged by leading research organizations.

**The details are presented in Criterion-III, Item No.3.2.7.**

- Faculty members publish papers in reputed journals and the college sponsors them to present papers at Conferences / Symposiums at National and International level. The details are presented in Criterion-III, Item No.3.4.3.
- Motivational incentives in the form of cash awards along with recommendation certificates are provided to the faculty who publish papers in reputed journals.
- Departments entered into MOUs with reputed companies and take up collaborative projects from industries and take up faculty exchange programme.
- Faculty members are encouraged to offer consultancy services in design and testing of materials, electric meters etc. Details are presented in Criterion-III, Item No.3.5.4.
- College provides free transport to faculty for making field visits and industrial visits to meet the consultancy demands.

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

Institute is an Institutional Member of Various Professional Bodies which contribute their services for promoting Research

1. Indian Society for Technical Education (ISTE)
2. Engineers without Boarder (EWB)
3. Indian Society of Lighting Engineers (ISLE)
4. Institution of Engineers (India). (IEI)

## **CRITERION- IV**

### **INFRASTRUCTURE AND LEARNING RESOURCES**

#### **4.1 Physical Facilities**

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

The College has the practice to establish policies and procedures approved by Governing Body, to create and continuously enhance the infrastructure in the form of resources (Faculty, Technical and administrative staff, supporting staff), laboratories with advanced technologies, built-up place, learning ways, teaching methods (print and electronic teaching and learning aids) by keeping the following objectives in view to promote teaching Learning process directly and indirectly.

- To provide sufficient, effective academic and supporting space for effective Teaching and Learning.
- To have conference halls, meeting rooms, faculty cabins, departmental libraries and digitalized central library to value-add the Teaching and Learning Process.
- To use ICT for academic processes in Teaching and Learning.
- To provide access to internet to students and faculty members in the form of Wi-Fi and broadband.
- To develop class rooms, tutorial rooms, departmental and central library and contents to meet the changing requirements of Teaching & Learning.
- To develop labs as per curriculum requirement and also beyond the curriculum. Teaching new technologies to the students in order to get the placements.
- To promote learning materials like Charts, Write Ups, Multimedia, Models, and Virtual labs for enhancing the teaching learning.
- To provide amenities like canteen, transport, playgrounds, post office etc.
- The needs analysis of the required infrastructure is planned by various academic departments and annual budget is prepared. After getting approval from the Governing Body, it be deployed to the department and they are made available to teachers and students to carry on curricular and non curricular activities.

The following guidelines are followed to finalize the purchase procedure:

- HODs submit their budget estimations for the next academic year.
- Budget allocations will be intimated to the departments / sections concerned.
- HODs will call for quotations for the items of the equipments and prepare comparative statements.
- A purchase Committee consisting of management



representative, Principal and HOD concerned will finalize the indent for placing order. The purchase order shall be placed by the HOD/Principal.

- No advance shall be paid at the time of purchase order and payment shall be paid after satisfactory installations and testing. The HOD will certify the above.
- However, when an advance is required to be paid at the time of purchase order, pros & cons will be duly weighed and decision will be taken.

#### 4.1.2 Detail the facilities available for

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

Particulars			Number of Rooms
Class Rooms	UG	B.Tech	48
	PG	MBA	8
		M.Tech	5
Drawing Halls			3
Computer Centers/labs			7
Central library			1
Laboratories/ Workshops			32
Specialized lab for BIGDATA , HADOOP and Cloud Technologies			1
Grand Total			106



**Class Room**



**E- Class room**



**Tutorial Room**



**Seminar Hall**



**CP-LAB – 1**



**CP-LAB– 2**



**CIVIL –LAB**



**ECE –LAB**



**EEE- LAB**



**AME - LAB**

**Classrooms:**

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

**Technology enabled learning rooms:**

- Each department in the college is provided with technology enabled classroom to facilitate engaged and active learning.
- Class rooms have seating capacity of 80 and provided with LCD projector, Wi-Fi and LAN enabled internet connectivity, public addressing system etc.

**Seminar Halls:**

- The Institution has separate seminal hall to conduct national and International conferences, workshops and symposia for students and faculty.
- The seminar hall has a seating capacity of 300 and is fully air conditioned. It is equipped with LCD projector, LCD screen, white board and public addressing system.
- The students of Postgraduate departments are regularly promoted for active involvement in paper presentations, group discussions

**Laboratories:**

- All laboratories are well equipped, and well maintained for carrying out curriculum-oriented lab experiments.
- All Laboratories are also equipped to carry out research activities.

**Specialized facilities and equipment for teaching, learning and research:**

- The college has exclusive English communication skills lab with 66 numbers of Core 2 Duo systems and licensed software.
- Apart from the central Library each department is having separate department library with good collection.
- The college is having a digital library with internet which is being effectively used by the students for their research activity.
- The college has provided web-based materials of NPTEL video lectures by IIT teachers for the use to both students and faculty.
- E-learning facility is provided which covers a wide set of applications and processes, including computer based learning and virtual class room learning.

- For self learning, reference books for all the subjects are available in the central library.
- Co-operative Learning facility is provided in Central Library where students earn in mixed ability heterogeneous groups on academic tasks.
- To promote the research activities, the college has established an individual research groups in all the departments.

**b) Extra-curricular activities: sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.**

### **Sports, outdoor and indoor games, gymnasium:**

#### **Sports:**

- The Institution organizes a two day festival SRUJANA every year and conducts Sports and Games Activities in the part of the above festival.
- The college promotes sports and games and offers the individual opportunity to enhance self knowledge, expression, personal development, courage and social interaction.
- To develop team spirit, leadership qualities and organizing abilities among the students, Sports & Games meets are organized regularly in the college.
- Two full time qualified Physical Directors are appointed to look after the day to day games and sports activities of the college.
- The college has always created a niche for itself in the field of sports with our students participating in various inter-university level tournaments.

#### **Outdoor Games:**

- A spacious play ground is available for outdoor games like cricket, volley ball and ball badminton.

#### **Indoor Games:**

- A separate indoor games facility for playing shuttle, table-tennis, carroms and chess is provided.





**Auditorium:**

- Open air auditorium with seating capacity of 5000 is provided in the campus.

**NSS:**

- The College has a NSS Unit with a total strength of 50 members, affiliated to J.N.T.U. Kakinada, Kakinada.
- The unit was established with an objective to cultivate the attitude of social service in the minds of students and to make them into responsible citizens.
- Our college NSS Unit has adopted a School in Ongole which is near to our college.



### Cultural Activities:

- The college encourages students to develop the innate talents in cultural activities by providing departmental associations, Literary Club, English Club etc.
- As part of this, the college encourages participation of its students by sponsoring them to various literary and cultural meets.
- Departmental Associations conduct events aimed at overall development of the students.
- Institution has provided literary and cultural rooms with needed audio visual equipment to conduct various activities for students.



### Anniversary celebrations

### Communication Skills Development

- The college has separate English language communication skills laboratory provided with 66 numbers of Core 2 Duo systems and licensed software like English Language Lab Software: KVAN Multimedia Language, Aptitude.
- The focus is on training the students to speak fluent, intelligible and appropriate and functionally correct English through coaching in phonetics, role plays, describing exercises and debates.
- Advanced communication skills laboratory focuses on reading and writing skills and integrating these with speaking, listening and other intra and interpersonal skills.
- Keeping in view of the growing importance of Soft Skills, the training and placement department is imparting Soft Skills to the student's right from I Year onwards. Along with regular subjects, a separate session is allotted to each branch for training on aptitude, verbal and soft skills.

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

The available infrastructure is in line with its academic growth and is optimally utilized.

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

The amount spent and the Facilities Developed in **2014-15**

Items	Expenses in 2014-15(Rs.)	Details of facilities developed/augmented
Acquisition of land; & new buildings and infrastructural built-	81,47,304.00	Construction of Girls hostel
Library Books & Equipment	9,12,965.00	Library Books and Racks
Laboratory Equipment & Software	15,45,091.00	1.Equipment for MECH,EEE and ECE lab 2.Operatig system software
Games and Sports	56,971.00	
Furniture	18,16,305.00	Tables & Chairs, Computer tables for all Depts.
Administrative and other	8,34,37,117.00	Salaries, Wages etc..
Machinery purchase	8,32,663.00	UPS & Batteries

The amount spent and the Facilities Developed in **2013-14**

<b>Items</b>	<b>Expenses in 2013-14(Rs.)</b>	<b>Details of facilities developed/augmented</b>
Acquisition of land; & new buildings and infrastructural built-up	1,89,79,341	1.Construction of Girls hostel 2.Construction of Guest house 3.Construction of Library block
Library Books & Equipment	34,30,038	1. Lab equipment For Mechanical 2.Library books
Laboratory Equipment & Software	1,68,576	1.Peripherals CSE & IT 2. Hard Disc etc. for Computer Lab
Games and Sports	1,95,128	Purchasing materials for organizing zone-D sports in campus.
Buses & Cars purchase	1,28,16,685	Buses purchase
Furniture	21,92,808	Tables & Chairs for CSE & IT
Administrative and other Expenditure	7,13,96,465	Salaries, Wages etc..
Machinery purchase	8,61,690	UPS & Batteries for ECE

The amount spent and the Facilities Developed in **2012-13**

<b>Items</b>	<b>Expenses in 2012-13 (Rs)</b>	<b>Details of facilities developed/augmented</b>
Acquisition of land; & new buildings and infrastructural built-up	1,76,70,685	1.Construction of Hostel Building 2.Construction of Guest House 3.Construction of Library Block
Library Books & Equipment	30,25,633	1. Equipment for Mech & AME 2. Library books
Laboratory Equipment & Software	24,90,160	Purchase of computers
Games and Sports	1,11,335	Sports Equipment purchase
Buses & Cars purchase	28,30,346	Eicher skyline buses
Furniture	10,70,673	Tables & Chairs for Mech. & Civil
Administrative and other Expenditure	6,78,81,603	Salaries, Wages etc.
Machinery purchase	24,54,551	Machinery for Labs

The amount spent and the Facilities Developed in **2011-12**

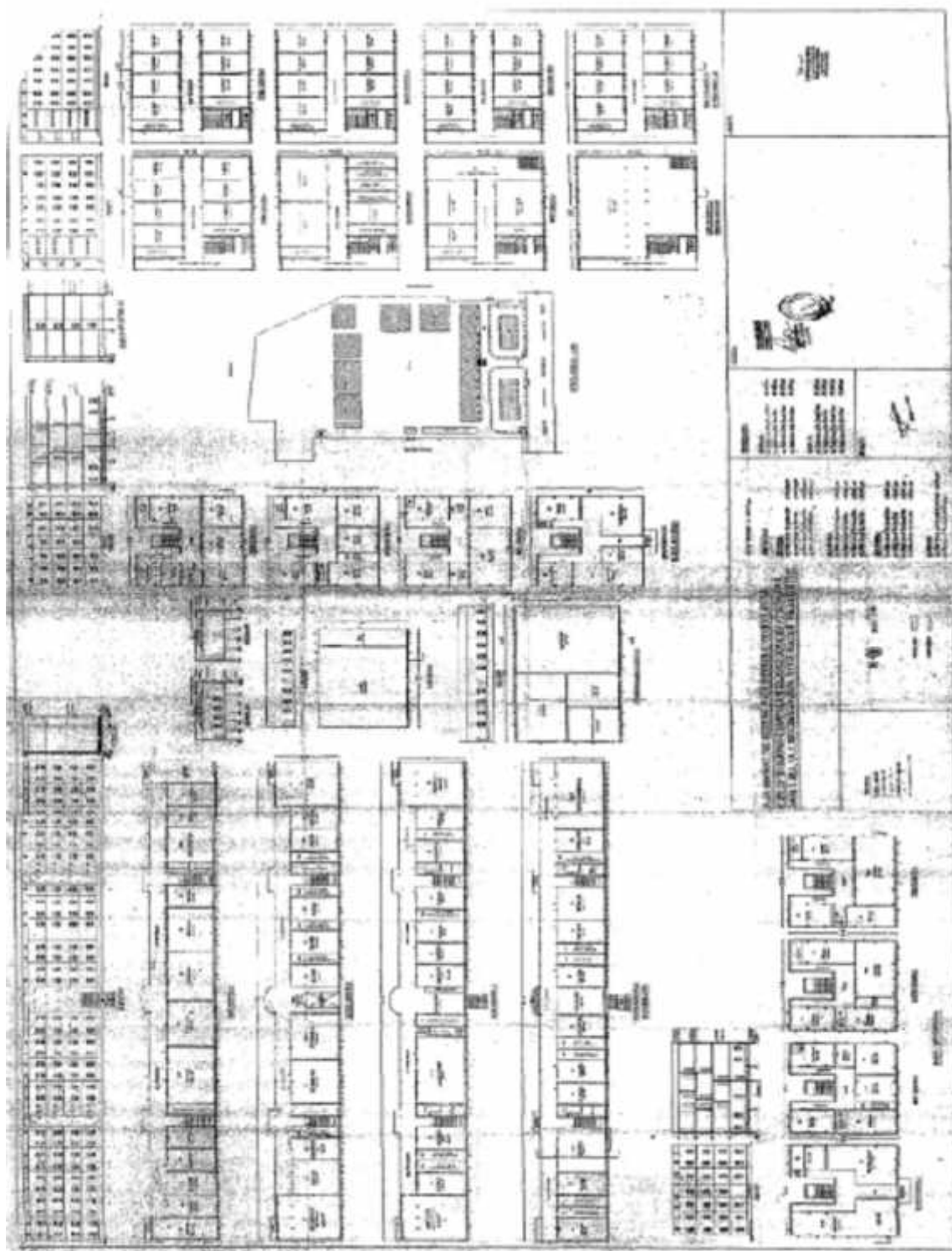


<b>Items</b>	<b>Expenses in 2011–12 (Rs)</b>	<b>Details of facilities developed/augmented</b>
Acquisition of land; & new buildings and infrastructural built-up	1,20,94,169	1.Civil block Construction 2.Hostel Building Construction
Library Books & Equipment	47,21,884	1. Library Books 2.Lab Equipments for Mech & AME
Laboratory Equipment & Software	23,43,924	Purchase of computers
Buses & Cars purchase	33,04,976	Purchase of buses & magic auto
Furniture	21,83,236	Cots, benches, tables purchase
Administrative and other Expenditure	59,468,451	Salaries, Wages and Etc.,
Machinery purchase	18,70,283	1.UPS & Battery's purchase for EEE Department 2.Equipment for AME lab

The amount spent and the Facilities Developed in **2010-11**

<b>Items</b>	<b>Expenses in 2010–11(Rs)</b>	<b>Details of facilities developed/augmented</b>
Acquisition of land; & new buildings and infrastructural built-up	54,09,780	Girls Hostel Construction
Library Books & Equipment	28,87,527	1.Library Books 2. Lab Equipment
Laboratory Equipment & Software	10,95,227	Purchase of Computers
Games and Sports	54,985	Purchase of sports things
Buses & Cars purchase	63,53,142	Purchase of buses
Furniture	18,83,291	1.Iron cots for hostel 2.Benches for class rooms
Administrative and other Expenditure	5,27,44,111	Salaries, Wages etc..
Machinery purchase	17,69,600	Machinery for civil lab.

**Master Plan of the Institute:**



**Infrastructure details of the Institute:**

S. No.	Name of the Building			Measurement Sq.m
1	Main Block	I	Ground Floor	2006.32
		II	First Floor	2006.32
		III	Second Floor	2006.32
		IV	Third Floor	2006.32
2	AME Block	I	Ground Floor	633.44
		II	First Floor	633.44
		III	Second Floor	633.44
		IV	Third Floor	633.44
3	PG Block	I	Ground Floor	979.86
		II	First Floor	979.86
		III	Second Floor	979.86
		IV	Third Floor	979.86
4	Civil Block	I	Ground Floor	633.94
		II	First Floor	633.94
		III	Second Floor	633.94
		IV	Third Floor	633.94
5	Work shop			920.00
6	Girls' Hostel			3919.44
7	Boys' Hostel			3426.40
8	College Canteen			572.85
9	Generator Room			29.0
10	Security Room			20.0
Total Built-up Area				25901.93

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

- Institution is taking care of physical disable students.
- Wash rooms / toilets have been designed in such a way to meet the requirements of the disable students.
- For physical disable students the class rooms have been allotted in ground floor / first floor.

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

- **Hostel Facility – Accommodation available**
- **Recreational facilities, gymnasium, yoga center, etc.**
- **Computer facility including access to internet in hostel**
- **Facilities for medical emergencies**
- **Library facility in the hostels**
- **Internet and Wi-Fi facility**
- **Recreational facility-common room with audio-visual equipments**

- Available residential facility for the staff and occupancy
- Constant supply of safe drinking water
- Security

### Hostel



### Hostel Facility is available for Girls and boys:

Description	Girls	Boys
Land Location	College Campus	College Campus
Total Area of Land	1.0 Acre	1.0 Acre
Number of Buildings & No. of floors	Building – 1 Floors – 4	Building -1 Floors – 4
Total floor area in sq.m	3919.44	3426.40
Whether Internet is Provided	YES	YES
Whether Wi-Fi is Provided	YES	YES
No. of Rooms	74	96
No of students	350	400

**Hostel Facility:**

- The institution has its hostel, for both girls and boys students, with a capacity of 350 girls and 400 boys which have spacious, ventilated rooms.
- Both A/c and Non A/c rooms are provided.

**Recreation facilities:**

- Amenities building are constructed and the facilities like Canteen, Games room, Gymnasium and Recreation-cum-Reading halls for both girls and boys separately are in place.
- Guest rooms for Gents and Ladies separately are also provided in the Pent House of the Amenities Building.

**Computer facility including access to internet in hostel:**

- Computing facilities are provided as per the AICTE norms, even extra computers are provided to meet the practical requirements.
- Internet connectivity with a total of 24 Mbps band width is provided.
- All the computer systems in the college are on LAN with OFC backbone.
- Computing facilities are made available to the students for at least 12 hours a day and Wi-Fi enabled facility is provided.

**Facilities for medical emergencies:**

- The college maintains a health centre with a doctor and supported by a full time attendant.
- Ambulance service is provided.

**Library:**

- The college hostel has a fully equipped reading room for extra reading and study (magazines, newspapers, periodicals, etc.)

**Hygiene facilities:**

- Water cooler with RO purified water with constant supply of safe drinking water is available in the college hostel.

**Security:**

- Watchman shed and Gate-keeper room has been made near the gate for proper security.

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

- Students and staff are provided with free medical checkups, examination and Treatment at health care centre in the campus.
- An Ambulance service is provided for emergencies.
- Group insurance is also provided to all staff & students.

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

**Internal Quality Assurance Cell (IQAC)**

Internal Quality Assurance Cell of the college has the following infrastructure.

1. Well furnished cabin for the Director of IQAC.
2. AC Mini-Conference hall.
3. Computer with a printer.
4. Internet facility.

**Grievance Redressal Cell:**

Grievance Redressal Cell of the college has the following infrastructure.

1. Well furnished cabin for the convener.
2. Suggestion Boxes are provided at prominent places:

**Women’s Empowerment/Grievance Cell:**

College has Women’s Empowerment/Grievance Cell with the following infrastructure.

1. Separate cabin for the convener at main block
2. Waiting Halls for Girl Students

**Counseling:**

Counseling rooms are provided in the departments. Class counselors use this room to counsel the students.

**Career Guidance Cell:**

Career Guidance Cell of the college has following infrastructure.

1. Separate cabin for the coordinator.
2. Computer with printer and Internet facility.

**Training & Placement Cell:**

College has an exclusive Training & Placement Cell with the following infrastructure.

1. Well furnished AC cabin for Training & Placement officer.
2. Laptop with internet and printer.
3. Group Discussion & Interview Panel rooms.
4. Reception lobby.
5. AC Seminar Hall.

**Health Centre:**

1. The college maintains a Health centre for routine tests with a doctor supported by a full time attendant.
2. One State Government Primary Health Centre and Many Nursing homes exist within a distance of 5 km from the college

**Canteen:**

Hygienically maintained canteen facility with 1205.2 sq.m is available in the campus with a seating capacity of 200 and daily usage is 1200.

**Recreational spaces for staff and students:**

Recreation-cum-Reading halls for both girls and boys separately are provided in the amenities block

**Safe drinking water facility:**

- Purified water is supplied to all academic blocks, canteen and hostels.
  - Storage capacity : 3000 liters SS container
  - Filtration Capacity : 1000 liters/hr
  - Treatment : UV-RO treated oxidized
- Usage water Storage tanks : 4 numbers with a total capacity of 64750 liters
- Drinking water Storage tank : 2 numbers with a total capacity of 3750 liters
- Water availability in hostel : 24 hours
- Method of distribution of water : College-Through pipelines and 10 water coolers, Hostels - 5 water coolers.

**Auditorium:**

- Open air auditorium with a seating capacity of 5000 is provided in the campus.

**4.2 Library as a Learning Resource****An Overview of the Library:**

The Central Library of pace institute of technology and science has been playing a vital role as Information Centre catering to the Academic and learning needs of the faculty and Students alike since inception. The facility is serving the student fraternity ranging from under graduate to Masters and ultimately aiding the Research stratum of PACE Institute of Technology and Sciences.

As a jewel in the crown of PACE Institute of Technology and Sciences, The Library aims at providing premium quality learning resources in the form of Books, Journals, E-Journals and C.Ds pertinent to Curricula of diverse Engineering and Technology and of general nature to the students and Teaching Staff. The Library also supports Departmental Libraries for acquisition and maintenance of Titles throughout the academic year. As the veritable abode of Knowledge, the library houses 3358 titles, 18358 Volumes of books.

- This has Library entered an MoU (On line Service agreement) on 15<sup>th</sup> December 2014 with International Monetary Fund (IMF) for free access to more than 5000 e journals, books and to receive video lectures pertaining to Management, Economics and Statistics for a period of 3 years.
- The Library is a Member through subscription for Developing Library Net works (DELNET) for browsing e journals and books.
- This college has a Life Membership in Institution of Engineers (India). Hence receiving National (Print Journals) in more than 15 Engineering disciplines.
- Subscribing 5 International (Print) Journals.

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

**PACE Library Advisory Committee:**

- The library has an advisory committee consisting of Convener, Librarian and HOD's and students as members.
- The committee periodically meets to plan and coordinate the execution of the requisite Procedures for the smooth functioning of the library.
- It takes up the process of identifying, planning and procurement of the books, journals, manuals etc.

**Details of committee members:**

S. No.	Member of library committee	Department	Designation
1	Dr. CV.Subba Rao, Ph.D	ME	Chairman
2	D. Rajesh	ECE	Coordinator
3	Dr.D.Prabhakara Rao, Ph.D	Librarian	Co coordinator
3	Dr. M.V. Sudhakar	MBA	Member
4	G. Rajesh	ECE	Member
5	Ch. Koteswara Rao	CSE	Member
6.	Ch. Ramesh	AME	Member
7.	T. Murali Krishna	CIVIL	Member
8.	K V Narasaiah	ME	Member
10	B Jahnavi	II IT	Student member
11	S. Manikanteshwar Reddy	II IT	Student member

**Services Offered:**

The Library provides both a physical space and a virtual environment in which students can explore and acquire knowledge and develop lifelong information seeking skills. This College Library offers the following Services:

- Circulation Service
- Reference Service
- Current Awareness Service
- Reprographic Service



- Clipping Service
- Career guidance Service
- Book bank for service for SC & ST students
- Internet service through digital library
- Inter Library Loan Service
- OPAC through E cap.

**4.2.2 Provide details of the following: Total area of the library (in Sq. Mts.) Total seating capacity, Working hours (on working days, on holidays, before examination days, during examination days, during vacation), Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources).**

The Central library of the Pace Institute of Technology & Sciences is situated in the center of the college with all required facilities.

**Ground Floor:**

This floor of the library having Text Book Section, Circulation Section, Reading Section, Reference Section, News paper Section, Periodical Section, Reprographic Section, Audio Visual Room and Digital Library

**Area and Capacity Description:**

S. No.	Description	Particulars
1	Carpet area of Library	800 sq. m.
2	Reading space	400 sq. m.
3	Number of seats in reading space	150 nos
4	Number of users(Issues)	100/day
5	Number of Users (Reading Space)	150-200/day

**Working hours (on working days, on holidays, during examination days):**

S. No.	Working Days	Working Hours
1	On working days	8 AM to 6 PM
2	On holidays	9 AM to 1 PM
3	During examination days	8 AM to 8 PM

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

**Library Ground Floor:**

Reading section



Stack Area



Periodical Section



Reprographic section



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

The library ensures subscription of titles for the books, print & e journals after receiving indents from the HODs of their respective departments.

The amount spent during the last four years is as under:

Library holding	Year -1 2011-2012		Year – 2 2012-2013		Year – 3 2013-14		Year – 4 2014-15	
	No	Total Cost in Rs	No	Total Cost in Rs.	No	Total Cost in Rs.	No	Total Cost in Rs.
Text books	2047	6,73,125	4481	11,75,800	1714	5,28,360	1516	4,63,856
Reference Books	617	1,62,500	1565	6,86,602	249	48,326	272	1,33,785
Journals/ Periodicals	15	25,000	15	25,000	87	107,500	65	94,000
E journals	DELNET & J Gate	86000	NPTEL DELNET	75000	250	86000	100	16500

Number of Computers : 35 with Internet facility  
 Broad Band Connectivity : 24 mbps Leased Line  
 Library Server : Library Module is a client for E cap  
 Server for Library House keeping  
 operations.

Library Networks Membership: DELNET

#### **Library Automation:**

Library automation has been carried out with E cap integrated software. OPAC generated with E cap has been provided to the students and staff.

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

Electronic Resource Management package for e-journals: Yes, we have j-gate package Federated searching tools to search articles in multiple databases:

- OPAC : 3 Systems
- Library Website :  
<http://www.pace.ac.in/library.php>
- In-house/remote access to e-publications : Yes
- Library automation : Yes through E-cap
- Total number of computers for public access : 3 systems
- Total numbers of printers for public access : 1 printer
- Internet band width/ speed :24 mbps
- Institutional Repository : yes
- Content management system for e-learning : DELNET, IMF, IE
- Participation in Resource sharing networks/consortia (like INFLIBNET): MoU with DA Govt. Poly Technic College, Ongole for the exchange of Human and Information Resources.

#### **4.2.5 Provide details on the following items:**

- Average number of walk-ins : 250 per day
- Average number of books issued/returned : 200 per day
- Ratio of library books to students enrolled : 1:6
- Average number of books added during last three years: 2570
- Average number of login to OPAC : 10
- Average number of login to e-resources : 100
- Average number of e-resources downloaded/printed : 50
- Number of information literacy trainings organized : 5
- Details of “weeding out” of books and other materials: 100

#### **4.2.6 Give details of the specialized services provided by the library**

- Manuscripts : NIL
- Projects reports : 210
- Reference :Number of reference books3330

- Reprography : available.
- Usage per day : 500 copies.
- ILL (Inter Library Loan Service) : Available with  
DELNET, Institution of Engineers (India).
- Information deployment and notification: Available
- Download : Available
- Printing : Available
- Reading list/ Bibliography compilation : NO
- In-house/remote access to e-resources : Available through digital  
library
- User Orientation and awareness : Available
- Assistance in searching Databases : Available with  
DELNET, J GATE, IMF Publications

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

- Provides information above and from the sources available in library at appropriate time to student and staff.
- The available documents in the library stacks will be issued to the users for a fixed duration.
- Xerox and printing facility available to the library users throughout the library opening hours at minimum charges.
- As part of current awareness service the library issues and current periodical, display of new arrivals notifying the forth coming conferences/seminars and important notifications.
- Literature search is available through internet and online access through J-Gate.
- 3 OPAC terminals are kept to the users to facilitate them to search through catalogue to ascertain the availability of documents. It can be searched using various options like title, author, subject etc., in a user friendly way.
- Providing Previous question Paper facility to students.
- Facility to faculty /students to access the e-journals, periodical and reference books.
- Issuing of books through e-cap services.

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

- Physically challenged users are allowed to receive library books by delegation.
- 30 days of due period is allowed for such users.
- Central Library is situated in the Ground floor. So convenient for such users.

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

Yes, Feedback is the main source for the development of Library and its services. Feedback from users is collected through Questionnaire process. Data obtained is analyzed. Measures are being taken accordingly

**Strategies:**

- Library has a suggestion box from which the suggestions are being collected every month.
- Library coordinators are gathering information from their students about further improvements.
- Library committee meetings conducted twice in a semester for better implementations of library facilities.

**Improvements:**

- Projects and repositories are being provided to the students for their reference.
- Increased number of competitive related books like GATE, CAT, GRE, TOEFL, IELTS, IES etc.,

**4.3 IT Infrastructure**

**4.3.1 Give details on the computing facility available (hardware and software) at the institution. Number of computers with Configuration (provide actual number with exact configuration of each available system)**

**Computer Details:**

S. No	Name Of Computer	RAM	HDD	Processor	No. of computers
1	HCL	1 GB	160 GB	Dual Core	230
2	WIPRO	1 GB	160 GB	Dual Core	100
3	ACER	2 GB	500 GB	Dual Core	140
4	ACER	1 GB	160 GB	Core 2 Duo	80
5	IBM Server	4 GB	500 GB	Quart Core Xeon	1
6	IBM Server	2 GB	500 GB	Quart Core Xeon	2
7	ACER Server	2 GB	500 GB	Quart Core Xeon	1
8	Ostilio Server	6 GB	4 TB	Quart Core Xeon	2
9	Dell	6 GB	500GB	Quart Core	70
Total Number of Computers					626

**Lab wise details:**

S. No	Lab Location	No of systems
1	Data Warehousing and Hybrid computing Lab	70
2	Cloud computing Lab	34
3	CP Lab-2	70
4	ADSLab	70
5	ECE Lab	66
6	EEE Lab	32
7	Civil Lab	66
8	Admin Office	9
9	Reception	2
10	Secretary	2
11	Principal	1
12	HOD rooms	20
13	Staff rooms	20
14	Servers	5
15	Exam Section	5
16	Library	40
17	Mech. CAD Lab	70
18	Repaired systems	44
Total Number of Computers		626

**Soft ware details:**

S. No	Name of the software	Open Source	Licensed
1	IBM Rational Rose (30 Users)	----	Yes
2	MSDN	----	Yes
3	Linux	Yes	-----
4	Borland Turbo C	----	----
5	Turbo C++	-----	Yes
6	Java	Yes	----
7	Oracle 10g	Yes	----
8	Kaspersky Antivirus	----	Yes
9	Quick Heal	----	Yes
10	Apache Web Server	Yes	-----
11	Tomcat Server	Yes	----
12	Delnet	----	Yes
13	E-cap	-----	Yes
14	NPTEL	----	Yes

- Computer – student ratio : UG-1:4 PG-1:1
- Stand alone facility : Yes
- LAN facility : Available to all systems in labs
- Wi-Fi facility : Yes
- Licensed software : 9
- Number of nodes/ computers with Internet facility: All

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

24 Mbps (20 Mbps BSNL, 4 Mbps Reliance) Internet facility is available inside the campus. Students can access internet in the lab at the specific time allotted to them. The faculty members can access internet in the staff room systems. Wi-Fi for Hostels and systems in Hostels provided with internet connection.

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

Every year in new budget, funds are released to upgrade computers based on the latest Industry requirements.

- New computers will replace old ones if needed.
- Upgrade the system configuration based on the labs needs.
- All the computers are monitored by system administrator regularly.
- A complaint register is kept in the CSE department, to raise any complaint regarding the computers and their peripherals from all the labs.
- Introducing of new software and Servers like Bigdata, Hadoop, Cloud with high configuration.

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

Items	Budgeted in 2014-15	Actual expenses in 2013-15	Budgeted in 2013-14	Actual expenses in 2013-14	Budgeted in 2012-13	Actual expenses in 2012-13	Budgeted in 2011-12	Actual expenses in 2011-12
Laboratory equipments	-----	-----	25,00,000	24,58,326	2,00,000	1,55,280	25,00,000	26,20,196
Software Purchase	5,00,000	6,00,000	----	----	3,00,000	3,06,720	----	----
Maintenance	1,0000	15,000	10,000	5,000	---	----	10,000	5,000
Total	5,10,000	6,15,000	25,10,000	2463326	5,00,000	4,62,000	25,10,000	26,25,196

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

- ICT enabled class rooms are used by the faculty members to teach with videos and power point presentations.
- College has NPTEL server, by using this students and faculty can access the NPTEL videos and materials given by IIT professors.
- LCD projectors are fixed in class rooms. Students and faculty members are using the LCD projectors.
- E-library facility is available in the college. Both the students and faculty uses to access the latest journals and study materials.

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

The institution has always been keeping the students at the center of the teaching learning process. The college understands that the teachers have to be reoriented from time to time for improving the teaching learning process. Use of technology has become very vital in imparting quality based education. The institution encourages the staff to undergo training on the computer-aided teaching and training. Well-equipped computer Labs and LCDs are available to the faculty for computer aided teaching. The computer facility is always available for students. By using latest teaching learning tools such as on-line teaching, ICT enabled class rooms, the students are becoming facilitators for their teachers.

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

No



#### 4.4 Maintenance of Campus Facilities

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

Every year budget is allotted for maintenance and up keeps the facilities like Buildings, Furniture, Equipment, Computers, Vehicles etc. as per the proposals given by the respective heads of the department.

S.No	Item	Budgeted in 2014-15	Budgeted in 2013-14	Actual expenses in 2012-13	Budgeted in 2011-12	Actual expenses in 2011-12
1	Building	7,50,000	4,00,000	4,31,260	4,50,000	5,20,000
2	Furniture	7,00,000	4,50,000	4,13,650	3,00,000	2,80,000
3	Equipment	5,00,000	2,50,000	2,24,338	3,00,000	3,00,000
4	Computers	1,00,000	1,20,000	55,500	3,50,000	2,89,235
5	Vehicles	4,00,000	20,00,000	20,63,347	15,00,000	12,59,758

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

S.No	Name of the staff	Qualification	Designation	Duties & Responsibilities
1	B. Venkat	B.A	Maintenance In-charge –1	Maintenance of academic infrastructure and to provide student and staff amenities
2	K. Venkateswarlu	M.Tech	Electricity Maintenance Supervisor	Assisting the Maintenance in-Charge in executing the Maintenance work.
3	P. Satyam	ITI	Electrical Maintenance In-charge	Maintenance of electricity in the college campus.
4	M. Kumar	BSc	Computer Maintenance In-charge -1	Maintenance of computers in all the labs.
5	M. Sateesh	BSc	Computer Maintenance In-charge -2	Maintenance of computers in all the labs.
6	V. Rangaiah	M.Com	Computer Maintenance In-charge -3	Maintenance of computers in all the labs.
7	S. Srinivasulu	M.Tech	Computer Maintenance Supervisor	Assisting the Computer Maintenance in-Charge in executing the Maintenance work.

**Building Hygiene:**

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

**Duties of Sweepers:**

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

**Toilet Hygiene:**

- Each toilet is to be cleaned twice a day, which should be checked by supervisor concerned. Care is taken in providing exhaust fans, daily cleaning with phenol or detergents, use of naphthalene balls

**Class Rooms:**

- Use of non-dust chalks.
- Daily sweeping of class rooms.
- Wet cloth cleaning of benches (at least twice a week).
- Black board cleaning (with wet cloth daily).
- Provision of dustbins in each class room

**Floors:**

- Daily sweeping and wet cleaning.
- Common dust bins are provided at various locations in each floor. HODs / In-charges shall make complaints regarding hygiene to the Principal, which will be forwarded to the corresponding authority for necessary action. Corresponding authority shall maintain a register for the purpose in which the complaints and action taken against the complaint are recorded.

**The following registers shall be maintained for the above**

- requisition form and register
- complaints register and file
- sweepers – log book/log sheets
- scavengers – log book/log sheets
- file for work assignments – sweepers and scavengers

### **Laboratories -Maintenance & Utilization**

- Preventive maintenance is followed.
- Additional experiments are designed to utilize all the equipment available in the lab.
- Periodical checkups and calibration of equipment in all laboratories.
- Depending on the experiment, one, two or a maximum of three students perform a single experiment with common set of apparatus.
- Stock verification is being conducted in all laboratories every year.

### **Computing Facilities-Maintenance & Utilization**

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

### **Library:**

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

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

Institute takes up the calibration and other precision measures for the equipment/ instruments once in every semester to check up the physical and operational conditions.

Annual maintenance and repair of the infrastructure are taken care by the college in a systematic manner. Day to day maintenance is carried out by the appointed staff for cleaning and maintenance of the building. The laboratory equipments are maintained through College Development Fund. The computers and electronic devices are maintained and repaired through the funds available in the institution. A team of qualified technical staff for maintaining computers and networking facilities are available. Some of the members are stationed in the campus so that they are available at short notice.

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

**Steps taken for location, upkeep and maintenance of sensitive equipment for voltage fluctuations:**

An exclusive Electrical maintenance section works for the college with one maintenance engineer, two technicians and one generator operator. Sensitive equipments in various laboratories like CROs, Digital Training Boards, IC Trainers, Microwave Equipment, Digital Multi-meters, and Measuring Instruments are identified.

Precautions and preventive measures are taken by the department to avoid damage of these sensitive instruments. Voltage fluctuations are controlled by stabilizers.

Exclusive 11KV (High Tension) electrical distribution substation with 440 V (low Tension) with 160KVA Transformer was erected on the college premises with the following particulars:

Particulars	Capacity
Transformer	160KVA
Main circuit breaker	400 amps
Bus bar chamber	3 phase 1000 amps
Distribution channel(south block)	250 amps
Distribution channel (north block)	250 amps
Distribution channel (hostel)	250 amps
Change over switch	315 amps

Generators of Capacity 125 KVA with total Power backup of 13 KVA are used in case of power failure.

**Generator Power Backup:**

- One generator of 125KVA capacity.
- One generator of 10 KVA capacity.

**UPS power Backup:**

- No of UPS Systems : 08
- Total Capacity of power back up : 160 KVA

**Safe drinking water facility:**

Purified water is supplied to all academic blocks, canteen and hostels. Water Plant is installed for this purpose with the following capacities.

- Storage capacity : 9500 liters SS container
- Filtration Capacity : 3000 liters/hr
- Treatment : UV – RO treated oxidized
- Usage water Storage tanks : 4 numbers with a total capacity of 64750 liters
- Drinking water Storage tank : 5 numbers with a total capacity of 9500 liters
- Water availability in hostel : 24 hours
- Method of distribution of water : Academic Premises-07 water coolers Hostels- 07 water coolers.

## CRITERION – V

### STUDENT SUPPORT AND PROGRESSION

#### 5.1 Student Mentoring and Support

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

Yes

- The institute publishes handbook and various posters every year.
- These posters give over all information about all the departments and facilities in departments.



#### Prospectus 1

##### Contents of Hand book:

- Vision and Mission of the college
- Objectives and commitment of the college
- Structure of the organization
- Admission process and courses offered
- Rules and regulations of the institute
- Examination pattern for both theory and Practicals
- Academic calendar of the various courses
- Information about teaching and non teaching faculty.
- About infrastructure of the institute
- Extracurricular activities like Sports& NSS
- Training and placement services
- Institute facilities like WI-FI connection in campus, hostel for boys and girls, cafeteria, medical facility in campus
- Scholarships and financial support to the meritorious and financially weak students
- Information about transportation facility from various places.
- Grievance Redressal cell and women empowerment cell for students.



#### Research and Development

Research is the backbone for the development of science and technology. A research and development cell has been set up to enable the faculty and the students to establish an inter-research program and projects.

The cell designs the programs to develop creative thinking and the ability to see beyond the horizon.



#### Library..

Reading is to the mind what exercise is to the body. Our library is well furnished with modern facilities and a huge collection of various books (journals, magazines, periodicals), enabling the students to learn and escape the monotony. It is a self-study resource for the students. A digital library with a high-speed internet facility has also been set up.

#### Other Facilities..

- Post Office
- Transport
- Well-furnished guest rooms for the parents for comfortable stay and comfort.
- Wi-Fi Internet facility of College.
- Connectivity
- R & R for Parents at Campus.
- Separate A/C & Non A/C hostel facility for Boys & Girls.
- Excellent Placement Record.

## Transportation



## Cafeteria



The following measures are taken by the institution to ensure its commitment and accountability:

<b>Institutional Initiative</b>	<b>Activity</b>
➤ Communication skill development	➤ Training for rural area students
➤ Physical development of the students	➤ Training for the sports
➤ Special care for average students	➤ Remedial classes for the poor students
➤ Improve employability	➤ Extra training programs for general ability

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

Yes

- The institutional scholarships/free ships in the form of concession in various items based on their merit. Management of the institute gives some fee exemptions regarding tuition fee, bus fee, hostel fee every year.
- Students who perform well in academics are getting scholarship and some valuable text books as a complementary.

<b>Academic Year</b>	<b>No of students got tuition fee concession</b>	<b>No of students got bus fee concession</b>	<b>No of students got hostel fee concession</b>	<b>Total amount in Rs.</b>
2014-15	6	20	83	3,27,000
2013-14	4	18	70	2,70,000
2012-13	5	10	32	1,32,000
2011-12	2	Nil	25	70,000
2010-11	3	Nil	10	55,000

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

- 65% of students receive financial assistance from the State Government, 3% other agencies like APSRTC employees Children, Railway employee's children etc. and 1% from national agencies like PMRY, GMR, IOCL etc.



**Fee reimbursement from State Government:**

<b>Description</b>	<b>2014-15</b>	<b>2013-14</b>	<b>2012-13</b>	<b>2011-12</b>	<b>2010-11</b>
Total number of students got financial assistance	838	1389	1061	851	568
Total Amount Rs.	1,55,22,400/-	4,95,52,800/-	3,30,49,200/-	2,57,11,400/-	1,71,01,600/-

**5.1.4 What are the specific support services/facilities available for students given below.****Students from SC/ST, OBC and economically weaker sections**

- Students who belong to SC/ST/OBC and economically backward students are identified and the details are recorded in order to provide every possible help during the process of admission.
- Central Government, state Government, University sponsored scholarships and concessions are dispersed timely to such students.
- All SC/ST students are provided with financial assistance in the form of tuition fee from the state government
- All SC/ST/OBC who want to opt hostel facility are provided with minimum expenses.
- Free transportation facility is provided to the SC/ST.
- Social Welfare (BC/SC/ST) cell is developed with eight faculty coordinators and sixteen students coordinators.
- The cell will help to solve any issues regarding scholarships and academics.

**Students with physical disabilities**

- Wheel chair for physically challenged persons with a person assistance
- The persons authorized by them are permitted to borrow books from the library.
- They are also provided support in laboratory and workshops.
- Class and examination rooms are arranged in ground floor or first floor.

**Overseas students**

- No overseas students in our campus

**Students to participate in various competitions/National and International**

- Institute encourages the students to participate in various competitions by providing travelling allowance and registration fee.

**Medical assistance to students: health centre, health insurance etc.**

- Good medical facility with part time doctor and full time nurse is provided at college campus.
- Ambulance is stationed at the medical center in any emergency issues/cases.
- First aid box/facility is provided at all prominent labs and central facilities.
- Group insurance is also provided for all students and staff.

**Organizing coaching classes for competitive exams**

- Each department has department association activities to improve the student's leadership, public skills, personality development by organizing various co-curricular activities.
- Soft skills are improved with the syllabus imbibed in the curriculum/syllabus.
- T&P Cell conducts various coaching classes for the competitive exams like GATE, GRE etc.

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

Yes

- In house training programs for soft skills and internet are provided in curriculum.
- Identified the slow learners and conducted remedial classes for their further improvement.
- The main thrust of the remedial classes is to have close interaction between the students and faculty, where the students get their doubts clarified.
- Special classes after regular college hours are conducted in those subjects where some students are not able to cope with.
- Tutorial classes are also provided to the slow learners which are included in the regular time table.

**Support for “slow learners”**

- Each and every faculty identifies the slow learners /weak students in their concern subject and conducts the remedial Classes regularly.
- Faculty members are allotted as mentors for every 20 students (from all sections) to monitor the students and advises them accordingly.

**Exposures of students to other institution of higher learning/ corporate/ business house etc.**

- Institute conducts industrial visits including visits to corporate and premier institutions to get the practical exposure on regular basis.
- Institute makes the students to participate in various competitions and fests.

- Students are encouraged to do their projects in industry (mini or major).
- Entrepreneurship Development Cell Conducts workshops, seminar, conferences etc. to enhance the interested students who are going to start business/industry.

#### **Publication of student magazines**

- Students are editorial board members for various publications like College/Dept newsletter, magazine, proceedings of various fests etc.
- Students are encouraged to come with innovative publications like wall poster etc during their association activities.

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

- Entrepreneurship Development Cell involves in arranging one - day seminars /workshops by the well known entrepreneurs from medium and small scale industries.
- EDC has been developed with 8 Faculty and 16 student coordinators. The committee will conduct the seminars/workshops.

#### **List of Committee members:**

<b>Name of the Faculty Member</b>	<b>Designation</b>	
Dr. V Venkateswara Rao	Professor & HOD, MBA	Coordinator
Mr. M. Sri Nagesh	Director, R&D	Member
Mr.V.Ranjith kumar	Asst. Professor, AME	Member
Ms.B.Sandhya Rani	Asst. Professor, CIVIL	Member
Ms.Sd.Shammi	Asst. Professor, CSE	Member
Mr.G.V.Ravikumar	Asst. Professor, ECE	Member
Mr.K Venkateswarlu	Asst. Professor, EEE	Member
Dr.M.V.S.Sudhakar	Asst. Professor, MBA	Member
Mr.Y. Srinivasa Reddy	Asst. Professor, ME	Member
Dr. Srikanth	I/c Training	Member

**The Entrepreneurship cell conducts the following programmes.**

- Faculty development programs
- Industry expectations
- Establishment of a new business
- Overseas education and opportunities
- Industry institute interaction etc.

S. No.	Name of the Resource Person/ Organization	Name of the Program	Dates
<b>2014-15</b>			
1	Mr. Vasu & Mr. Naveen	Entrepreneur Development Program, Kakinada	25-02-2015
2	Shri. Palle Raghunatha Reddy	Entrepreneur Development Program, Vizag	29-02-2015
3	N.Mani Kanth	Visa World Business Etiquettes	11-06-2014
4	Naga Prasad	Motivation to lead the life	11-03-2014
<b>2013-14</b>			
1	Mr. Madhukar Parikh/VNR Infra HYD.	Role of Engineers in Building Nation	14-09-2013
2	Naveen Bhagam,Sivaprasad .P	Industry Expectations	22-09-2014
<b>2012-13</b>			
1	Mr. Pandu Ranga Rao	Establishment of New Business	05-03-2013
2	Mr. Maria Antony	Journey to corporate & Placement Grooming	02-03-2013
3	Mr. Rajesh	Overseas Education & Opportunities	20-02-2013
4	Mr. Chaitanya/Globareena	Mentoring on Soft skills	17-12-2012
5	Mr. Joseph Naidu/Aliens Group	Career prospective in civil engineering	10-10-2012
6	Mr. Konda Reddy/Globareena	Technical Training on Core Java	03-12-2012
7	MR. Subbara Raju Pericherla/Infosage Systems,HYD	Industry Institute Interaction	25-08-2012

<b>2011-12</b>			
1	Mr.Arumugum Tiruvambalam/Yamaha Motors	Career Opportunities in Automobile engineering	25-07-2012
2	Mr.B.Rajesh	Job opportunities for MBA Freshers	14-12-2011

**5.1.6. Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as game, sports, quiz competitions, cultural events, flexibility in exam, special dietary requirements and special uniforms etc.**

### Policies and strategies:

Special hour is allotted in time table for co-curricular activities like sports & games, library, internet and counseling.



**PACE INSTITUTE OF TECHNOLOGY & SCIENCES :: ONGOLE**  
**Department of Electronics & Communication Engineering**

**2014 -15                      1<sup>st</sup> Semester**

**TIME TABLE - I B. Tech - A**

Room No:

w.e.f.: 25-08-2014

DAY	I	II	III	IV	V	VI	VII	
	9.00-9.55	9.55-10.50	10.30-11.45	11.45-12.30	12.30-1.25	1.25-2.20	2.20-3.15    3.15-4.10	
MON	ECS LAB	ECS LAB	M-II	<b>LUNCH BREAK</b>	ED			DAC
TUE	M-II	EP	M-I		Engg	EW & EP LAB		C&R
WED	Engg	PEHV	M-I		M-II	EP & IT LAB		S&G
THU	EP	PEHV	Engg		M-II	EP	M-I	IC
FRI	M-I	PEHV	M-II		EP	LIB	M-I	M-II
SAT	PEHV	Engg	EP		ED			M-I

Class Teacher: G.V.Ravi Kumar

CODE	SUBJECT	NAME OF THE FACULTY	Mobile No.
Eng	English	Ms. Ch. Hima Bindhu	9951398641
M-I	Mathematics-I	Mr. M. Ravindra	9885839187
M-II	Mathematics-II	Mr. K. Subba Rao	9949106170
EP	Engg. Physics	Mr. K. Seidhar	9491454323
PE & HV	Professional Ethics & Human Values	Ms. D. Pushpasi	8333002093
ED	Engg. Drawing	Mr. Ch. Ramesh / Mr. R. Ravi Nandhi	9642988961
Phy Lab.	Physics Lab	Mr. K. Seidhar / Ms. Madhavi Lakshmi	9491454323
ECS Lab	Eng. Com. Skills Lab	Ms. Ch. Hima Bindhu / Ms. T. Aney	9951398641
EW	Engg. Workshop	Mr. I. Vamsi	9885123353
ITW	IT Workshop	Ms. G. Sridevi	8008547244
DAC Lib	Department association activities Library	T. Ramaiah	9700112369
IC	Internet center	G. V. Ravi Kumar	9849360868
S&G	Sports & games	K. Naga Raju	8019884460
C&R	Counseling/Remedial	K. Sundeeep	9032294865
		K. Barath Kumar	9491282508

\*Tutorials will be handled by the concern faculty

Dept. Timings:  

Class:  

**N. N. N. N.**  
1100

- Conducting special classes for the students who are participating in sports / NSS / cultural events / extra-curricular activities.



- Placing flexs at appropriate places to get the information about events.
- Create sportive environment inside the campus for the encouragement of the students.
- Provision of sports kit/sport uniform to all the participants
- Institute conducts inter collegiate tournaments, cultural competitions by organizing state level fest known as SRUJANA every year.
- Institute conducts coaching classes to enhance their capabilities in sports and games events.

### Sports & Games activities:

#### Support for outdoor events

S. No.	Name	Class	Represented in
1	Y.sholem raju	EEE-II	Represented south zone inter University, annamalai foot ball
2	K.V.krishna rao	ECE-III	Represented JNTUK central zone badminton
3	N.venkata subbaiah	ECE-III	Represented JNTUK central zone badminton

#### JNTU K -Zone 'D' inter collegiate games meet (Men) 4<sup>th</sup> tournament 2014

Date	Event	Photo
21/02/2014	Inauguration	

21/02/2014	Basket Ball	
21/02/2014	Kabaddi	
21/02/2014	Kho-Kho	
21/02/2014	Shuttle	
22/02/2014	Table Tennis	

22/02/2014	Volley Ball	
22/02/2014	Cricket	

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

- Training & Career Guidance Cell is developed with one TPO, one professor In-charge along with 7 teaching faculty coordinators.
- All the coordinators are interacted with the students to form the groups and making a path for their success according to their own interest.
- The committee has been conducting CRT classes with the help of JKC and Inter institutional faculty.
- Institute T&P Cell conducts various coaching classes for the competitive exams like GATE, GRE etc...

**Career Guidance Cell is constituted with the following members.**

S. No.	Name of the Chairman/Member	Designation
1	B.Mallikarjuna Rao – HOD CSE	Chairman
2	K Roopa – MBA	Coordinator
3	B Rajesh - MBA	Member
4	V.Ranjith kumar-AME	Member
5	S.Partha-CIVIL	Member
6	P Sri Hari, -CSE	Member
7	S.V.Saikumar - ECE	Member



8	Muzeeb Khan P - EEE	Member
9	Ch.Vijay Kumar - MBA	Member
10	I.Vamsi-ME	Member
11	Dr. Srikanth - Training	Member

**List of students qualified in various competitive exams.**

Academic Year	GATE		GRE		TOFEL		Others	
	A	Q	A	Q	A	Q	A	Q
2013-14	48	9	12	3	4	0	250	220
2012-13	34	7	9	0	2	0	180	134
2011-12	20	3	5	1	-	-	80	55

**Note:** A-Appeared Q- Qualified

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

- Academic and personal counseling is done by a teacher for a group of 20 students.
- For the total 4 years a consolidated report is maintained for each student.
- Sample - Counselors list of Automobile Engineering 2011 admitted students.

PACE INSTITUTE OF TECHNOLOGY & SCIENCES					
Department of Automobile Engineering					
Counselors of IV-B.Tech For The Academic Year- 2014-2015					
S. No.	Regd. No.	Name of the Student	Batch No.	Name of the Counselor	Sign.
1	11KQ1A2406	Gurram Tejaswi	1	R.Ravindranath	
2	11KQ1A2407	Kommanaboina Venu			
3	11KQ1A2423	Atchukola Saichaitanya			
4	11KQ1A2424	Byrarapu Luke Wrenny Enosh			
1	11KQ1A2408	Konjeti Tirumala	2	CH.Ramesh	
2	11KQ1A2409	Kurangi Sreenivasa Rao			
3	11KQ1A2410	L Krishna Sagarreddy			
4	11KQ1A2411	Madaka Mallikarjuna			
1	12KQ5A2402	Bikkasani Lakshman	3	V.Ranjith kumar	
2	12KQ5A2403	Gunji Durgagopalakrishna			
3	12KQ5A2405	Ramulakollu Venkateswararao			
4	12KQ5A2406	Taluri Jeevan Kumar			
1	11KQ1A2414	Pallala Vinaykumar	4	M.V.Swamy	
2	11KQ1A2415	Regula Naga Srikanth			
3	11KQ1A2417	Savarala Chakradhar			
4	11KQ1A2418	Savidiboina Kondal Rao			

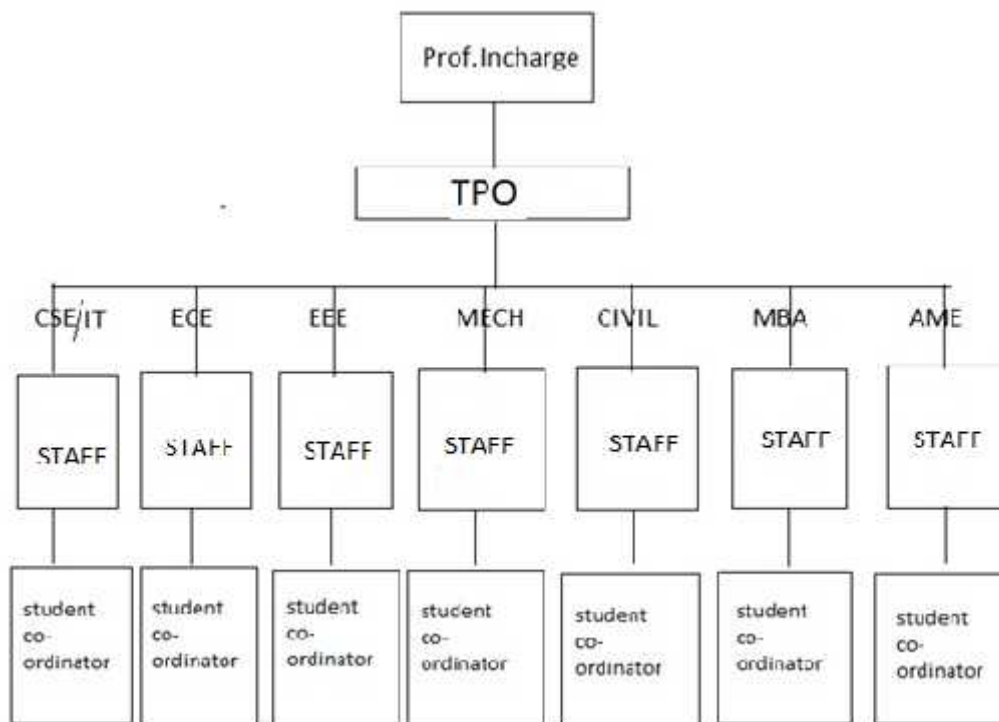
1	11KQ1A2419	Vangala Naga Saketh Tarun	5	D.Janardhan rao	
2	11KQ1A2420	Venkamsetty Srinivasa Rao			
3	11KQ1A2421	Dasari Krishna Kishore			
4	11KQ1A2412	Nalajala Sai Surya			
1	11KQ1A2403	B.Vamsikrishnareddy	6	K. Aruna Santhi	
2	11KQ1A2404	Dulla Chaithanya			
3	12KQ5A2401	Bakka Miriyamma			
4	12KQ5A2404	Konepalli Ragini			
1	11KQ1A2401	Abbu Veeranjanyulu	7	R. Divya Bharathi	
2	11KQ1A2402	Addagabottu Naveen Kumar			
3	11KQ1A2413	N. V.Nirajan Kumar			
4	12KQ5A2407	Vemula Tirupati Rao			

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

Yes

- The College has established a separate carrier guidance and Training and Placement Cell with one full time Placement Officer.
- T & P invites reputed companies for campus placements by sending the profile of the college.
- The institution also effectively uses its aluminus working with various companies in attracting the companies for campus placements.

**Services Provided:** The carrier guidance and T & P Cell makes all possible efforts to further improve the employability skills of students through its activities like personal development, Soft skills, emotional intelligence and communication. It also conducts a well structured pre-placement training right from I year to III year. The students are fully trained by the time the campus recruitment process starts in IV year.



- The services provided to help students identify job opportunities and prepare themselves for interview are mentioned below:

#### 2013-14

S. No.	Name of the events	Services provided by	No of the students benefited
1	Mock Interviews	Global Career Point	400
2	C,C++,Java	Oracle	200

#### 2012-13

S. No.	Name of the events	Services provided by	No of the students benefited
1	Mock Interviews	Manhattan Review India Pvt Ltd	350
2	CRT Program	Manhattan Review India Pvt Ltd	350

#### 2011-12

S. No.	Name of the events	Services provided by	No of the students benefited
1	Mock Interviews	Manhattan Review India Pvt Ltd	350
2	CRT Program	Manhattan Review India Pvt Ltd	350

**Percentage of students selected during campus interviews.****2013-14**

<b>S.No</b>	<b>Name of the company</b>	<b>No of students selected</b>	<b>% of students selected</b>
1	STRATAGEEKS	5	10.87%
2	EHPL INDIA LTD	5	09.09%
3	Y TECHNOLOGIES	10	22.73%
4	TECHMAHINDRA	2	02.35%
5	MIRACLE SOFTWARE SOLUTIONS INC	7	08.06%
6	CONGRUENT SOLUTIONS	1	01.27%
7	VEREXO SOLUTIONS	4	04.49%
8	COGNIZANT	3	10.00%
9	MAHA ELECTRONICS	17	18.48%
10	SUTHERLAND GLOBAL SOLUTIONS	7	07.45%
11	DATA PATTERNS INDIA PVT LTD	1	01.30%
12	INFOSYS	8	16.67%
13	VEMBU TECHNOLOGIES	1	01.32%
15	HCL – BSERV	2	16.67%
16	QUALITE TECHNOSOFT	2	04.35%
17	IBM INDIA	1	100.00%
18	RAJSRIYA AUTOMOTIVE INDUSTRIES	15	30.00%
19	HCL	1	20.00%
20	L&T INFOTECH	1	14.29%
21	GREENTEK	2	100.00%
22	CEASEFIRE INDUSTRIES	9	19.57%
23	ULTRATECH CEMENTS	2	100.00%
24	RMIS	2	100.00%

**2012-13**

<b>S. No</b>	<b>Name of the company</b>	<b>No of students selected</b>	<b>% of students selected</b>
1	LIC LIFE PLUS	11	27.50%
2	OSMOSYS	4	03.64%
3	HCL TECHNOLOGIES (SLOCUM)	6	07.69%
4	UBE INDUSTRIES LTD	9	25.71%
5	MAGNAJ INNOVATIONS	1	02.86%
6	DELL INTERNATIONAL SERVICES	8	07.21%
7	PILOG INDIA LTD	6	07.50%
8	VESTAUS	6	06.90%
9	KASPON TECHWORKS PVT LTD	5	04.13%
10	9 CIERTO	4	07.27%
11	VOLTECH	8	100.00%
12	SERCO	10	20.83%

**2011-12**

<b>S.No.</b>	<b>Name of the company</b>	<b>No of students selected</b>	<b>% of students selected</b>
1	HCL TECHNOLOGIES	6	03.16%
2	EXILANT TECH	1	02.50%
3	DIACRITECH	31	36.04%
4	CSS CORP	11	07.33%
5	QUADRAPO	8	16.00%
6	XCHANGING	5	02.40%
7	SYNTEL TECHNOLOGIES	1	16.67%
8	PCS	10	21.74%
9	NOMUS COMM	1	02.56%
10	DELANO SOFT SOL	10	05.63%
11	IGENCIES	9	07.50%
12	NEOFRA WEB TECH	7	07.78%
13	FNT SOFT SOL	7	06.36%
14	DELL TECHNOLOGIES	1	16.67%
15	AQUA PURE	1	02.50%
16	VIJAY ELECTRICALS	1	01.54%
17	CEASEFIRE	4	05.00%

**2010-2011**

<b>S. No.</b>	<b>Name of the company</b>	<b>No of students selected</b>	<b>% of students selected</b>
1	INDIA INFOLINE	11	24.44%
2	INDIAMART	6	17.14%
3	RELIANCE COMMUNICATION	25	55.56%
4	PACE POWER SYSTEMS	2	08.00%
5	CRYO BANK LTD	2	50.00%
6	SRINIDHI EXPORTS	1	20.00%
7	SPEQUA CONSULTING	1	20.00%

**5.1.10 Does the institute have a student grievance redressal cell? If yes List (if any) the grievances reported and redressed during the last four years.**

- The college has established grievance Redresses cell for students.
- Principal is the chairman for all the grievance committees.
- HODs are responsible for resolving the grievances under the guidance of principal.
- Grievance redressal cell is developed with seven faculty members and 14 student coordinators. The total team will look after grievances.

**Grievance redressal committee:**

In-charge of the committee: Dr. Y Sesha Rao

Department	Faculty co-coordinator	Student coordinators
IT	Sri R.Veeranjaneyulu	1.Anam Prathyusha 2.Panditi Mounika
CSE	Smt.R.Anitha	1.Banka Anilkumar 2. Palepu Sudheerkumar
ECE	Sri G.Rajesh	1.Nagi Suresh 2.Pathi Anilkumar
EEE	Sri D.Prasad	1.Pasupuleti Nagaraju 2.B.Prem Kumar
CIVIL	Sri T. Murali Krishna	1.C.Dinesh Chandra 2.S.Jagadeesh
ME	Sri K.V.Narasaiah	1.Amamcharla V S B Nikhil 2.Sairam Yeduru Narendra Rddy
MBA	Sri CH.Vijay kumar	1.R..Sudheer Kumar 2.M.Srilekha

**Women Grievance redressal committee:**

In-charge of the committee: Smt.R.Anitha

Department	Faculty co-ordinator	Student coordinators
CSE	Smt.R.Anitha	Gollakaram Brahmani
EEE	Smt B.Hima bindu	Venkateswararao (II EEE)
ECE	Smt Sk.Ayesha	P.Ramaiah (II ECE)
H&S	Smt S.Kavitha	L.Kondala Rao
CIVIL	Smt T.Syamala	A.Rajya Lakshmi (II CIVIL)
AME	Smt R.Divya bharathi	K.Ragini (IV AME)
MBA	Smt CH.Jyothi	S.Srinivas
MECH	Smt.Indu	Sai Ram

**List of the grievances reported and redressed during the last four years:**

Problem	Action taken
No proper wash room facilities for girl students.	Provided
Provide separate seating arrangement for ladies	Provided
Proper maintenance of toilets	Provided
Traffic maintenance at highway	Provided
Ragging at college bus stop. Security required	Provided
Digital library	Provided
Journal subscription	Provided

### 5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

- The Institute Head (Principal) constitute a Grievance committee to redress the grievances for all students and staff.
- The grievance cell comprises of three senior faculty and principal.
- Any staff and students having a grievance, he or she shall make a representation to the committee directly or through the suggestion boxes provided in all the departments and principal's chamber.

#### List of the committee members:

Principal Dr. C.V.Subba Rao is acting as chairman of this committee

Department	Faculty co-ordinator	Student co-ordinator
CSE	G.Sreedevi	B. Anka Anil kumar
EEE	S.Kavitha	B. Prem Kumar
Mech	G.Indu	S. Sairam
Civil	P Charulatha Ravathi	C. Dinesh Chandra
ECE	R.N.S.K.Sruthi	P. Ramireddy
MBA	DPushpasree	T. Phanendra kumar
H&S	K.Roopaa	V. Veerajaneyulu

### 5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes

- The Anti-Ragging committee maintains a strict vigilance in the campus, at bus-stops and buses to prevent ragging. No major instances of ragging have been reported in the last four years.
- A few minor cases detected and have been disposed off by the principal by counseling the students and involving the parents.

The following committee has been constituted for the academic year 2014-15

S. No.	Name of The Staff Member	Designation	Position	Contact Number
1	Dr.C.V.Subbarao	Principal	Chairman	9703020577
2	Dr.Y.Sesharao	Vice-principal	Vice-chairman	9581456544
3	Sri.M.Apparao	H.O.D (ECE)	Member	9581456541
4	Sri. T. Murali Krishna	H.O.D (CE)	Member	9581456545

5	Sri.A.Jagadeeswararao	H.O.D (CSE)	Member	9581456542
6	Sri.SK.Abdul khadeer	H.O.D (AME)	Member	9581456561
7	Sri.K.Rameshbabu	H.O.D (EEE)	Member	9581456543
8	Sri.M.Anilkumar	Asst.Professor	Member	7799655524
9	Sri.K.V.Narasaiah	Asst.Professor	Member	9951165772
10	Sri.T.Murali krishna	Asst.Professor	Member	9296104791
11	Sri.Ch.Koteswararao	Asst.Professor	Member	9959946303
12	Sri.D.Prasad	Asst.Professor	Member	9676867762
13	Sri.B.Siva Prasad	Asst.Professor	Member	9848760422
14	Smt.K.Aruna santhi	Asst.Professor	Member	8686661500
15	Sri.Ch.Suneel	Asst.Professor	Member	9666628470

Class representatives are the coordinators for anti ragging committee.

**List of the student coordinators:**

S.NO	NAME OF THE STUDENT	DEPARTMENT
1	D.Ajay kumar	ME
2	L.Krishna sagar	AME
3	Y.Rajendra prasad	CE
4	P.Mounika	IT
5	N.Vamsikrishna	CSE
6	P.Siva Prasad	EEE
7	B.Siddaiah	ECE
8	Sk.Kaja	DEEE
9	M.Srikanth	DME

**5.1.13 Enumerate the welfare schemes made available to students by the institution.**

- Free medical aid on the campus.
- Scholarships to the economically backward students.
- Supporting facilities for getting Educational Loans.
- Cash prizes for all class toppers

**5.1.14 Does the institution have a registered alumni association? If yes, what are its activities and major contribution for institutional, academic and infrastructure development?**

Yes



The college has an Alumni Association under the leadership of a T& P Cell and senior faculty from the department, its motive is to bring together all the alumni to share their experiences and to extend their helping hand to provide guidance to the final years.

## 5.2 Student Progression

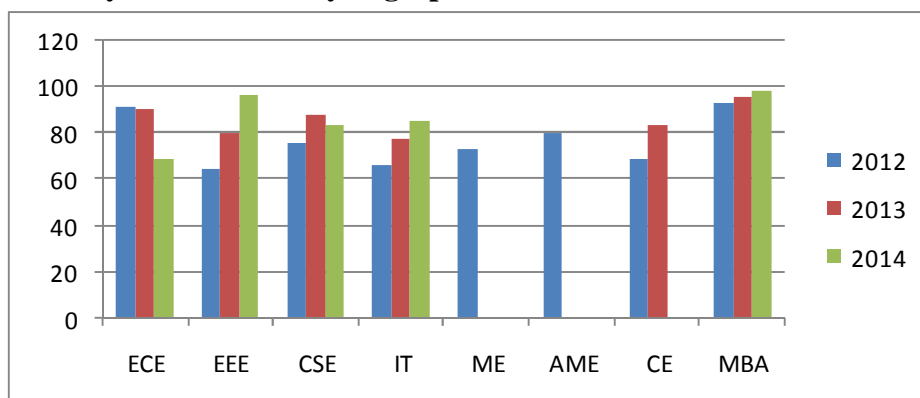
### 5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlights the trends observed.

Student progression	2013-14	2012-13	2011-12
UG to PG	21%	18%	15%
PG to M.Phil.	----	----	----
PG to Ph.D.	----	----	----
Employed Campus selection Other than campus recruitment	15%	12%	10%

### 5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Course	2013-14	2012-13	2011-12
B.Tech(ECE)	69.23	90.62	91.30
B.Tech(EEE)	64.40	80.00	97.06
B.Tech(CSE)	76.27	88.23	83.61
B.Tech (IT)	66.67	77.77	85.45
B.Tech(ME)	73.77	-----	-----
B.Tech(CIVIL)	68.85	83.6	-----
B.Tech(AME)	80.00	-----	-----
MBA	93.45	96.22	98.33

**Three years result analysis graph in PACE**



**Three Years Result Analysis Of Rise Gandhi Group of Institutions**

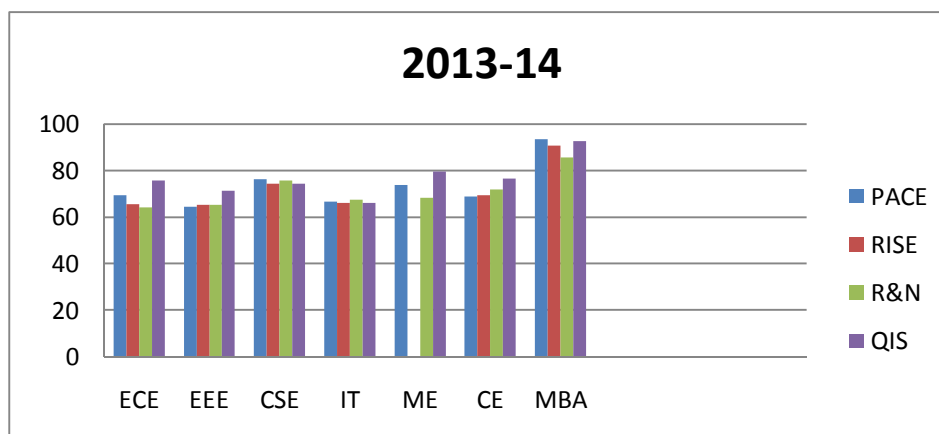
Course	2013-14	2012-13	2011-12
B.Tech(ECE)	65.52	86.73	90.50
B.Tech(EEE)	65.30	70.00	89.06
B.Tech(CSE)	74.34	86.23	79.60
B.Tech (IT)	66.00	76.20	85.45
B.Tech(CIVIL)	69.45	85.60	-----
MBA	90.55	92.32	97.24

**Three Years Result Analysis of Rao & Naidu Engineering College**

Course	2013-14	2012-13	2011-12
B.Tech(ECE)	64.22	79.60	90.50
B.Tech(EEE)	65.30	70.00	89.06
B.Tech(CSE)	75.54	92.32	79.60
B.Tech (IT)	67.35	65.30	85.45
B.Tech(ME)	68.35	65.25	68.36
B.Tech(CIVIL)	71.85	79.60	-----
MBA	85.50	89.45	92.54

**Three Years Result Analysis Of QIS Institute Of Technology & Sciences**

Course	2013-14	2012-13	2011-12
B.Tech(ECE)	75.52	88.53	92.50
B.Tech(EEE)	71.24	74.20	89.06
B.Tech(CSE)	74.34	79.60	76.35
B.Tech (IT)	66.00	76.20	85.45
B.Tech(ME)	79.38	82.36	84.25
B.Tech(CIVIL)	76.35	85.6	-----
MBA	92.54	92.32	97.24

**Three years result analysis Graph of PACE, RISE, R&N, QIS**

### 5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

Yes,

#### **Carrer Guidance Cell & Placement Committee:**

In-charge of the committee: Mrs. K Roopa

S. No.	Faculty Coordinator	Designation	Student Coordinators	Department
1	Muzeeb KHAN P	Asst.Prof	Laxmi prasanna,Gopi	EEE
2	P. Srihar	Asst.Prof	Vamsi, Shivatejasree	CSE
3	Sai Kumar	Asst.Prof	Sai Krishna,Vidya	ECE
4	V.Ranjithkumar	Asst.Prof	Sagar, Venkateswarlu	AME
5	K.Sudheer	Asst.Prof	T.Rajasekhar, T. Maanasa	CIVIL
6	I.Vamsi	Asst.Prof	M.sairam, Prasanth kumar	MECH

- A Carrier Guidance Cell is developed with one TPO, one professor In-charge along with eight teaching faculty coordinators.
- All the coordinators interact with the students; based on their interest we can form the groups and making a path for their success according to their own interest.
- The committee has been conducting CRT classes with the help of JKC and Inter institutional faculty.

### 5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

- Identified the slow learners and conducted remedial classes.
- Remedial classes are made part of the regular time-table for the analytical subjects in UG programmes wherever there is scope.
- The main thrust of the remedial classes is close interaction of students with faculty, where the students get their individuals doubts are clarified.
- Special classes after regular college hours are conducted in those subjects where some students are not able to cope with.
- Separate counseling is made to build the confidence in them and to concentrate on studies.

### 5.3 Student Participation and Activities

#### 5.3.1. List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

Institute encourages the students to participate in various competitions

S.No	Name of the Student	Name of the Ward/Prize	Name of the University/Institution
1	V Vamsivarma	Universtiy Best Student (2012)	Jntu, Kakinada
2	G.Rajesh Karna	First Prize(PPT)	A1 Global Institute Of Engineering & Technology, Markapur
3	R Sai Chaitanya	First Prize(PPT)	A1 Global Institute Of Engineering & Technology, Markapur
4	B.Vinod	First Prize(Quiz)	VRS & YRN college Of Engineerin & Technology, Chirala
5	A.Srikanth	First Prize(Quiz)	VRS & YRN college Of Engineerin & Technology, Chirala
6	J.Naga Siva Prasad Reddy	Third prize(PPT)	Narayana Engineering College, Nellore
7	S.Avinash	Third Prize(PPT)	Narayana Engineering College, Nellore
8	M.Sudeer Kumar	Second Prize(PPT)	Pnc & Vijai Institute Of Engineering & Technology, Phirangipuram
9	A.Pradeep Kumar	First Prize(PPT)	Amrita Sai Institute Of Science & Technology, Kanchikacherla
10	V Vamsivarma	First Prize(PPT)	Amrita Sai Institute Of Science & Technology, Kanchikacherla
11	Ch.Rojavali	First Prize(PPT)	Prakasam Engineering College , Kandukuru
12	R.Raj Kumar	Second Prize(PPT)	Dr.Samuel George Institute Of Engineering & Technology, Markapur
13	M.Divya	Second Prize(PPT)	Dr.Samuel George Institute Of Ngeineering & Technology, Markapur
14	M.Murali Krishna	First Prize(PPT)	Krishna Chaitanya Institute Of Technology & Sciences, Markapur
15	Ch.Naveen	First Prize(PPT)	Krishna Chaitanya Institute Of Technology & Sciences, Markapur
16	M.V.Sai Kiran	Second Prize(PPT)	Pace Institute Of Technology & Sciences, Ongole

17	Ch.Pavan Kumar	Second Prize(PPT)	Pace Institute Of Technology & Sciences,Ongole
18	M.Lakshmi Kumari	First Prize(PPT)	Priyadarshini College Of Engineering, Sullurpeta
19	C.Dinesh Chandra	Second Prize(PPT)	Represented In Kitsyuva-2014 Technical Quiz
20	S.Jagadeesh	Second Prize(PPT)	Represented In Kitsyuva-2014 Technical Quiz
21	A.Rajya Lakshmi	Second Prize(PPT)	Kits Yuva – 2014, Kkr & Ksr Institute Of Technology And Sciences, Guntur
22	L.Krishna Sagar Reddy	First Prize(PPT)	Prakasam Engineering College , Kandukuru

- The college has a large play grounds for games like cricket, throw ball, basket ball, volley ball etc., with all modern facilities. A qualified Physical Director Mr.SK.Fayaz with M.P.Ed qualification is available along with adequate supporting staff.

#### **Sports facilities available in the college**

S. No.	List of Sports	No. of Courts
<b>Outdoor Facilities</b>		
1	Volley ball	2
2	Throw ball	1
3	Cricket	1
4	Khabaddi	2
5	Ball badminton	1
6	Tenni koit	1
<b>Indoor Facilities</b>		
1	Shuttle Badminton	1
2	Carroms	5
3	Chess	12
4	Table tennis	1
5	Gymnasium	1

**ACADEMIC CALENDER FOR SPORTS IN 2013-14**

S. No.	Name of the Event	Date of Select-ions	Venue of Selections	Dates of Tournament
1	Events for Engineer's Day	5 <sup>th</sup> Sep 2013	PACE Institute of Technology & Sciences	7th-14th Sep,2013
2	Hockey (M)	25 <sup>th</sup> Nov 2013	University College of Engineering, Kakinada	Sri Krishna devaraya university ,anantapur 9th-13th Dec 2013
3	Football (M)	18 <sup>th</sup> Nov 2013	University College of Engineering, Kakinada	MGU Kottayam 19th-23th Dec 2013
4	Tennis (M & W)	1 <sup>st</sup> Sep 2013	University College of Engineering, Kakinada	Anna university, chennai 11th-16th sep 2013
5	Kabaddi (Women)	25 <sup>th</sup> Oct 2013	V.S.Lakshmi engg college ,kakinada	Krishnauniversity machalipatnam 4 <sup>th</sup> -7 <sup>th</sup> nov2013
6	Zone – 2	21 <sup>th</sup> -22 <sup>th</sup> Feb 2014	Pace institute of technology&sciences	Pace institute of technology&sciences 21 <sup>st</sup> 22 <sup>nd</sup> Feb 2014
7	Volleyball (Men)	25 <sup>th</sup> Dec	Aditya institute of technology &management	Sri Venkateswara University, Tirupati , Jan 2014
8	Cricket Zone – 1	Mar, 2014	VRS & YRN College Of Engineering & Technology	Vrs&yrm engg college Mar, 2014
9	Kho-Kho (Men)	7 <sup>th</sup> Dec,2013	Chirala Engg college ,chirala	Calcut university, kerala 20th-24th Dec2013
10	Inter Zonal	Mar, 2014	University College of Engineering, Kakinada	JNTU kakinada2014
11	Kho-Kho (Women)	8 <sup>th</sup> Nov 2013	Gudlavelluru Engg college,gudlaveellur	Mangalore university 23rd-26th Nov 2014
12	Hand Ball ( Men & Women)	Nov-13	University College of Engineering, vizayanagaram	Bharathi dasan Tiruchunapalli 9 <sup>th</sup> - 13 <sup>th</sup> Nov 2013
13	Table Teenis (M&W)	Dec-14	JNTU Kakinada, 2014	JNTU Kakinada 27 <sup>th</sup> -31 <sup>st</sup> Dec 2014
14	Weight Lifting, Power Lifting (M &W),Best Physique (Men)	1 <sup>st</sup> Feb 2014	Nimra Institute of Technology & sciences	Anna university,chennai March 2014
15	Annual Day Sports Events	15 <sup>th</sup> Mar 2014	Pace institute of technology&sciences	Pace institute of technology&sciences 28 <sup>th</sup> - 30 <sup>th</sup> March 2014

**Intercollegiate / Inter-Engineering Tournament arranged and No. of Students of the college represented in State/University team**

Academic Year	No. of students represented
2010-11	6
2011-12	50
2012-13	75

**5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.**

**Academic year: 2014-15**

S. No	DATE	NAME OF THE STUDENT	YEAR-BRANCH	NAME OF THE EVENT	VENUE
1	08th -24th Jan2015	A.Surendra babu	IV - MECH	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
2	08th -24th Jan2015	CH.Venkata ramaiah	IV-CIVIL	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
3	08th -24th Jan2015	K.Praveen kumar	III-AME	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
4	08th -24th Jan2015	P.Anil	III-CIVIL	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
5	08th -24th Jan2015	S.Amarendra	III-CIVIL	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
6	08th -24th Jan2015	M.Prithviraj	III-MECH	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
7	08th -24th Jan2015	Gurusai	II-AME	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
8	08th -24th Jan2015	pranay	II-CIVIL	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
9	08th -24th Jan2015	P.durgesh	I-ECE	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
10	08th -24th Jan2015	V.venu	I-IT	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
11	08th -24th Jan2015	M.venkata sai krishna	I-CSE	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA

**Academic year: 2013-14**

S. NO	DATE	NAME OF THE STUDENT	YEAR-BRANCH	NAME OF THE EVENT	VENUE
1	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	A.Surendra babu	III - MECH	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
2	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	S.Sunil Kumar	III-CIVIL	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
3	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	CH.Venkata ramayya	III-CIVIL	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
4	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	T. Rajesh	II-MBA	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
5	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	T.Sai Krishna	II-MBA	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
6	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	K.Nagateja	I-MBA	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
7	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	M.Prithviraj	II-MECH	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
8	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	S.Amarendra	II-CIVIL	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
9	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	D.Vamsi krishna	II-MBA	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
10	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	A. Srihari	I-MBA	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
11	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	T.Sarath kumar	IV-MECH	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
12	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	D.Sridhar	II-MBA	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
13	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	P.Anil	II-CIVIL	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
14	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	M.Chiranjeevi	III-CSE	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
15	8 <sup>th</sup> -21 <sup>st</sup> Jan,2014	K.Praveen	II-AME	EENADU championship CRICKET	CEC ENGG. COLLEGE, CHIRALA
16	9 <sup>th</sup> -16 <sup>th</sup> March,2014	A.Surendra babu	III - MECH	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
17	9 <sup>th</sup> -16 <sup>th</sup> March,2014	S.Sunil Kumar	III-CIVIL	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
18	9 <sup>th</sup> -16 <sup>th</sup> March,2014	CH.Venkata ramayya	III-CIVIL	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
19	9 <sup>th</sup> -16 <sup>th</sup> March,2014	T. Rajesh	II-MBA	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
20	9 <sup>th</sup> -16 <sup>th</sup> March,2014	T.Sai Krishna	II-MBA	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE



21	9 <sup>th</sup> -16 <sup>th</sup> March,2014	K.Nagateja	I-MBA	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
22	9 <sup>th</sup> -16 <sup>th</sup> March,2014	M.Prithviraj	II-MECH	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
23	9 <sup>th</sup> -16 <sup>th</sup> March,2014	S.Amarendra	II-CIVIL	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
24	9 <sup>th</sup> -16 <sup>th</sup> March,2014	D.Vamsi krishna	II-MBA	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
25	9 <sup>th</sup> -16 <sup>th</sup> March,2014	A. Srihari	I-MBA	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
26	9 <sup>th</sup> -16 <sup>th</sup> March,2014	T.Sarath kumar	IV-MECH	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
27	9 <sup>th</sup> -16 <sup>th</sup> March,2014	D.Sridhar	II-MBA	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
28	9 <sup>th</sup> -16 <sup>th</sup> March,2014	P.Anil	II-CIVIL	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
29	9 <sup>th</sup> -16 <sup>th</sup> March,2014	M.Chiranjeevi	III-CSE	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
30	9 <sup>th</sup> -16 <sup>th</sup> March,2014	K.Praveen	II-AME	JNTUK ZONE-D CRICKET	VRS &YRN ENGG. COLLEGE
31	7 <sup>th</sup> -12 <sup>th</sup> April,2014	A.Surendra babu	III - MECH	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
32	7 <sup>th</sup> -12 <sup>th</sup> April,2014	S.Sunil Kumar	III-CIVIL	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
33	7 <sup>th</sup> -12 <sup>th</sup> April,2014	CH.Venkata ramayya	III-CIVIL	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
34	7 <sup>th</sup> -12 <sup>th</sup> April,2014	T. Rajesh	II-MBA	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
35	7 <sup>th</sup> -12 <sup>th</sup> April,2014	T.Sai Krishna	II-MBA	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
36	7 <sup>th</sup> -12 <sup>th</sup> April,2014	K.Nagateja	I-MBA	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
37	7 <sup>th</sup> -12 <sup>th</sup> April,2014	M.Prithviraj	II-MECH	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
38	7 <sup>th</sup> -12 <sup>th</sup> April,2014	S.Amarendra	II-CIVIL	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
39	7 <sup>th</sup> -12 <sup>th</sup> April,2014	D.Vamsi krishna	II-MBA	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
40	7 <sup>th</sup> -12 <sup>th</sup> April,2014	A. Srihari	I-MBA	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
41	7 <sup>th</sup> -12 <sup>th</sup> April,2014	T.Sarath kumar	IV-MECH	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
42	7 <sup>th</sup> -12 <sup>th</sup> April,2014	D.Sridhar	II-MBA	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
43	7 <sup>th</sup> -12 <sup>th</sup> April,2014	P.Anil	II-CIVIL	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
44	7 <sup>th</sup> -12 <sup>th</sup> April,2014	M.Chiranjeevi	III-CSE	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
45	7 <sup>th</sup> -12 <sup>th</sup> April,2014	K.Praveen	II-AME	STATE LEVEL CRICKET FEST	A1 GLOBAL ENGG. COLLEGE
46	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	V.Kranthi kumar	III-CIVIL	STATE LEVEL VOLLEYBALL	QIS FEST ENGG. COLLEGE
47	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	D. Arya Chandra varma	IV-ECE	STATE LEVEL VOLLEYBALL	QIS FEST ENGG. COLLEGE
48	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	A.Surendra babu	III-MECH	STATE LEVEL VOLLEYBALL	QIS FEST ENGG. COLLEGE
49	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	E.Chenchu suresh	III-EEE	STATE LEVEL VOLLEYBALL	QIS FEST ENGG. COLLEGE

50	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	P.Veeraraghavulu	III-ECE	STATE LEVEL VOLLEYBALL	QIS FEST ENGG. COLLEGE
51	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	P.Sai kumar	I-AME	STATE LEVEL VOLLEYBALL	QIS FEST ENGG. COLLEGE
52	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	Y.Anil	I-CIVIL	STATE LEVEL VOLLEYBALL	QIS FEST ENGG. COLLEGE
53	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	S.Sunil	III-CIVIL	STATE LEVEL VOLLEYBALL	QIS FEST ENGG. COLLEGE
54	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	Navya	IV-CIVIL	STATE LEVEL THROWBALL	QIS FEST ENGG. COLLEGE
55	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	Yamini	IV-CIVIL	STATE LEVEL THROWBALL	QIS FEST ENGG. COLLEGE
56	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	Bhavya	III-EEE	STATE LEVEL THROWBALL	QIS FEST ENGG. COLLEGE
57	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	Sujatha	II-ECE	STATE LEVEL THROWBALL	QIS FEST ENGG. COLLEGE
58	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	Revathi	IV-EEE	STATE LEVEL THROWBALL	QIS FEST ENGG. COLLEGE
59	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	Khasim bibi	III-CIVIL	STATE LEVEL THROWBALL	QIS FEST ENGG. COLLEGE
60	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	Beula	III-EEE	STATE LEVEL THROWBALL	QIS FEST ENGG. COLLEGE
61	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	K.Prasuna	II-IT	STATE LEVEL THROWBALL	QIS FEST ENGG. COLLEGE
62	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	Kavya	III-EEE	STATE LEVEL THROWBALL	QIS FEST ENGG. COLLEGE
63	3 <sup>rd</sup> -4 <sup>th</sup> April,2014	Rekha	III-CSE	STATE LEVEL THROWBALL	QIS FEST ENGG. COLLEGE
64	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	A.Surendra babu	III - MECH	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
65	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	S.Sunil Kumar	III-CIVIL	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
66	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	CH.Venkata ramayya	III-CIVIL	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
67	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	T. Rajesh	II-MBA	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
68	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	T.Sai Krishna	II-MBA	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
69	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	K.Nagateja	I-MBA	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
70	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	M.Prithviraj	II-MECH	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR

71	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	S.Amarendra	II-CIVIL	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
72	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	D.Vamsi krishna	II-MBA	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
73	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	A. Srihari	I-MBA	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
74	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	T.Sarath kumar	IV-MECH	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
75	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	D.Sridhar	II-MBA	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
76	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	P.Anil	II-CIVIL	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
77	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	M.Chiranjeevi	III-CSE	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
78	4 <sup>th</sup> -11 <sup>th</sup> Feb,2014	K.Praveen	II-AME	REGIONAL EENADU championship CRICKET	KKR & KSR ENGG. COLLEGE, GUNTUR
79	8 <sup>th</sup> -9 <sup>th</sup> March,2014	V.Kranthi kumar	III-CIVIL	STATE LEVEL VOLLEYBALL FEST	ST.ANN'S ENGG.COLLEGE
80	8 <sup>th</sup> -9 <sup>th</sup> March,2014	D. Arya Chandra varma	IV-ECE	STATE LEVEL VOLLEYBALL FEST	ST.ANN'S ENGG.COLLEGE
81	8 <sup>th</sup> -9 <sup>th</sup> March,2014	A.Surendra babu	III-MECH	STATE LEVEL VOLLEYBALL FEST	ST.ANN'S ENGG.COLLEGE
82	8 <sup>th</sup> -9 <sup>th</sup> March,2014	E.Chenchu suresh	III-EEE	STATE LEVEL VOLLEYBALL FEST	ST.ANN'S ENGG.COLLEGE
83	8 <sup>th</sup> -9 <sup>th</sup> March,2014	P.Veeraraghavulu	III-ECE	STATE LEVEL VOLLEYBALL FEST	ST.ANN'S ENGG.COLLEGE
84	8 <sup>th</sup> -9 <sup>th</sup> March,2014	P.Sai kumar	I-AME	STATE LEVEL VOLLEYBALL FEST	ST.ANN'S ENGG.COLLEGE
85	8 <sup>th</sup> -9 <sup>th</sup> March,2014	Y.Anil	I-CIVIL	STATE LEVEL VOLLEYBALL FEST	ST.ANN'S ENGG.COLLEGE
86	8 <sup>th</sup> -9 <sup>th</sup> March,2014	S.Sunil	III-CIVIL	STATE LEVEL VOLLEYBALL FEST	ST.ANN'S ENGG.COLLEGE
87	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	V.Kranthi kumar	III-CIVIL	JNTUK ZONE-D VOLLEYBALL	PACEITS

88	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	D. Arya Chandra varma	IV-ECE	JNTUK ZONE-D VOLLEYBALL	PACEITS
89	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	A.Surendra babu	III-MECH	JNTUK ZONE-D VOLLEYBALL	PACEITS
90	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	E.Chenchu suresh	III-EEE	JNTUK ZONE-D VOLLEYBALL	PACEITS
91	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	P.Veeraraghavulu	III-ECE	JNTUK ZONE-D VOLLEYBALL	PACEITS
92	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	P.Sai kumar	I-AME	JNTUK ZONE-D VOLLEYBALL	PACEITS
93	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	Y.Anil	I-CIVIL	JNTUK ZONE-D VOLLEYBALL	PACEITS
94	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	S.Sunil	III-CIVIL	JNTUK ZONE-D VOLLEYBALL	PACEITS
95	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	CH.Pullu reddy	III-MECH	JNTUK ZONE-D KABADDI	PACEITS
96	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	Y.Prasd	III-EEE	JNTUK ZONE-D KABADDI	PACEITS
97	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	B.Aadinarayana	IV-EEE	JNTUK ZONE-D KABADDI	PACEITS
98	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	M.Chiranjeevi	III-CSE	JNTUK ZONE-D KABADDI	PACEITS
99	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	K.Srikanth reddy	II-MECH	JNTUK ZONE-D KABADDI	PACEITS
100	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	P.Mastan reddy	II-ECE	JNTUK ZONE-D KABADDI	PACEITS
101	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	D.Ramanajaneyulu	III-CIVIL	JNTUK ZONE-D KABADDI	PACEITS
102	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	Md.Ashroff	III-ECE	JNTUK ZONE-D KABADDI	PACEITS
103	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	CH.H arish	IV-ECE	JNTUK ZONE-D KABADDI	PACEITS
104	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	Y.Keshavulu	IV-CIVIL	JNTUK ZONE-D KHO-KHO	PACEITS
105	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	A.V.Ravi	II-MBA	JNTUK ZONE-D KHO-KHO	PACEITS
106	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	K.Srikanth reddy	II-MECH	JNTUK ZONE-D KHO-KHO	PACEITS
107	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	T.Venu	II-MECH	JNTUK ZONE-D KHO-KHO	PACEITS
108	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	V.Ashok	II-MECH	JNTUK ZONE-D KHO-KHO	PACEITS
109	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	Y.Prasad	III-ECE	JNTUK ZONE-D KHO-KHO	PACEITS
110	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	V.Guruswamy	III-EEE	JNTUK ZONE-D KHO-KHO	PACEITS
111	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	E.Ashok	III-EEE	JNTUK ZONE-D KHO-KHO	PACEITS
112	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	M.Sairam	III-MECH	JNTUK ZONE-D KHO-KHO	PACEITS
113	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	R.Nagaraju	II-ECE	JNTUK ZONE-D KHO-KHO	PACEITS
114	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	B.Balakrishna	II-MECH	JNTUK ZONE-D KHO-KHO	PACEITS
115	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	D.Suresh	III-CIVIL	JNTUK ZONE-D KHO-KHO	PACEITS
116	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	T.Ashok	I-ECE	JNTUK ZONE-D KHO-KHO	PACEITS

117	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	C.Ganesh ravi	IV-ECE	JNTUK ZONE-D BADMINTON	PACEITS
118	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	B.Saivenkat	IV-ECE	JNTUK ZONE-D BADMINTON	PACEITS
119	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	B.V.Saikumar	IV-IT	JNTUK ZONE-D BADMINTON	PACEITS
120	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	K.Saikiran	III-CSE	JNTUK ZONE-D BADMINTON	PACEITS
121	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	S.Sunil kumar	III-CIVIL	JNTUK ZONE-D BASKETBALL	PACEITS
122	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	D.Aryachandra varma	IV-ECE	JNTUK ZONE-D BASKETBALL	PACEITS
123	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	M.Ramanjaneyulu	I-CSE	JNTUK ZONE-D BASKETBALL	PACEITS
124	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	P.Antonyraj	I-CIVIL	JNTUK ZONE-D BASKETBALL	PACEITS
125	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	B.Srinivas	I-ECE	JNTUK ZONE-D BASKETBALL	PACEITS
126	21 <sup>st</sup> -22 <sup>nd</sup> March,2014	T.Ashok	I-ECE	JNTUK ZONE-D BASKETBALL	PACEITS

**Academic year: 2012-13**

S. No.	Name	Class	Represented in
1	Y.Shalem Raju	EEE-I	Represented south zone inter university tournament held at university of kerala Foot ball
2	SK.Yasdhan Basha	CSE-IV	Represented south zone inter university tournament held at university of kerala Foot ball
3	Ch.Venkata Ramayya	CIVIL-I	Represented EENADU champion ship cricket tournament Runners
4	A.surendra babu	MECH-I	
5	U.pavan Kumar	EEE-III	
6	S.sunil Kumar	CIVIL-I	
7	SK.mohammad rafi	ECE-III	
8	V.sai phanidra	ECE-III	

**Academic Year 2011-12**

S.NO	Name	Class	Represented in
1	Y.shalem raju	EEE-II	Represented south zone inter University, annamalai foot ball
2	K.V.krishna rao	ECE-III	Represented JNTUK central zone badminton
3	N.venkata subbaiah	ECE-III	Represented JNTUK central zone badminton

**Academic Year 2010-11**

S.No.	Name	Class	Represented in
1	SK.Yesdhan Basha	CSE-III	South zone inter university VIT Vellore , Foot Ball match
 			
 			

**5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?**

The institute has a clearly set and defined mechanism of obtaining the feedback from the students and stake holders to improve the performance and quality of the institutional provisions. Following feedbacks are taken so as to assess attainment of Program Objectives and Program Education Objectives.

- Introducing Wi-Fi, Add on programs in curriculum conducting extra lab hours in academic calendar and proposed to buy new reference books and journals in library based on analysis of semester end feedback from the students in curriculum.
- From analyzed feedback of exit students and conducted Extra classes for soft skills and coaching is given for competitive exams to get jobs as well as higher education.

- Facilitate advanced equipment in labs, Industry institution interaction facilities and extra guidance is provided based on the analysis of Alumni feedback.
- Introduced group insurance, intercom facilities, e-cap software for maintaining academic works and enhancement leave provisions are provided based on Employers and parents feedback.
- Increasing infrastructure in the campus, maintenance improvement of hygienic canteen and hostel accommodation, SMS alerts for absent students and college holidays are provided based on Parents feedback.

**5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.**

- Students are given the required motivation and conceptual help for presenting technical papers at National level paper contests and financial support is provided as per norms.
- Department encourages the students to prepare and display the working models during “Srujana”, Annual Working Model Exhibition.

Publications committee has involvement of students

Chairman	---	1. B.Rajesh
Members	---	2.V.Veera Raghavulu—EEE
		3. Y.Srinivas reddy--ME
		4. K.Sandeep—ECE
		5. B.M.Rao---CSE
		6. K.Sudheer—CIVIL
		7. V.Ranjith kumar--AME

**5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.**

Yes.

The institution believes in providing opportunities for the students in order to inculcate organizational abilities and leadership qualities in the students

**Decentralized Mechanism to nurture the Leadership:**

S. No.	Forum	Establishment
1	Sports Club	Jan 2009
2	Alumni Association	Mar 2013
3	Automobile cruising Team	June 2012
4	Incredible association of mechanical	Sep 2012
5	Revelry association of civil engineers	Nov 2012

**5.3.6 Give details of various academic and administrative bodies that have student representatives on them.**

Institute wants to establish a teaching learning process entirely student centric. As a part of this policy student representation in each aspect is very important. Following are the various committees where they have a specific role to play:

**Academic:**

- Class Representatives
- Library Committee
- T&P Cell

**Administrative:**

- Anti Ragging committee
- Student counseling and Grievance redressal Committee
- Disciplinary committee
- Public relations, press media and publication committee
- Research and development cell
- Training, placement & career guidance cell committee
- Canteen committee
- NSS committee
- Social welfare (BC/SC/ST) committee
- Sports committee
- Transportation committee
- Arts/cultural/literary hobby club committee
- Renewable energy committee
- Examinational/timetable/admissions
- Library advisory committee
- Entrepreneurship development cell
- Website committee
- Alumni committee
- Inter quality assurance cell
- Right to information cell
- Professional societies activities committee
- Electrical/computer networks maintenance committee
- Faculty/staff grievance

**5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution. Any other relevant information regarding Student Support and Progression which the college would like to include**

**Alumni:**

- The members of Alumni Association regularly interact with Principal, Vice Principal and TPO regarding the need of the Institute and their expectations from alumni.



- The members of college administration and the senior faculty of all the departments participate in the annual or semi-annual alumni meetings on invitation and seek their advice and support for the development of the institution.
- The Departments seek the opinion / suggestions of alumni on various developmental activities by sending mails to them and requesting them to fill the pro forma supplied in this regard.

Web site page for Alumni: <http://pace.ac.in/alumni/alumni.php>

## **CRITERION – VI**

### **GOVERNANCE, LEADERSHIP AND MANAGEMENT**

#### **6.1 Institutional Vision and Leadership**

##### **6.1.1 State the vision and mission of the Institution and enumerate on how this mission statement defines the institution distinctive characteristic in terms of addressing the needs of the society the students it seeks to serve institutional traditions and value orientation vision for the future etc.?**

##### **Vision**

Our vision is to impart futuristic technical education transforming the students technically superior, ethically strong, self disciplined to serve the nation as a valuable resource.

##### **Mission**

Our mission is to impart quality education by providing outstanding technical resources, cutting edge technologies, professional skills and special training by experts from leading industry and institution and encourage the students to participate in the conferences, seminars, workshops and social activities through NSS, IETE, etc. The institute is committed to encourage creativity, critical thinking and exposure to industry and to create self discipline, sensitivity towards society and respect for the environment.

##### **Distinctive characteristics of the college**

The College is located beside NH-5 near Valluru village, Prakasam district. It is just 8 KM from Ongole town. Most of the students seeking education in this institution are from rural areas. The Mission statement which is prepared by the institution is more realistic and can be achievable. Various distinctive characteristics of the college which helps the institution to achieve the mission are as follows:

1. Being more student centric to know and understand how best we can impart teaching and learning among the students.
2. Students are trained in their skill sets that requires for the present day employees to meet the challenges of industry sources.
3. Provision of traditional and e-learning opportunities for the students and faculty.
4. Student centric activities considering their learning skills and comprehensive abilities are provided.
5. Providing good learning facilities with good infrastructure.
6. Special attention is given to students to enhance their communication skills by encouraging them to participate in various workshops.
7. Continuous improvement of performance through systematic monitoring and upgrading all aspects of student-centric, Teaching-learning process.

8. Regular oration lectures for faculty development.
9. Honoring eminent faculty members for their contribution towards research and development activities, thus act as a motivation for others.
10. Organizing various activities like subject coaching, personality development training, and health camps to connect students with the society.
11. Designing various short term courses to promote the concept of learning beyond the syllabus.

### **6.1.2 What is the role of top management, principal and faculty in design and implementation of its quality policy and plans?**

The PACE management believes that devotion based commitment is sure to reap the best possible results in the field of professional education. With lofty academic personal and professional objectives in mind, special attention always paid to the requirements of the students. The dedicated management has appointed the principal and endorsed all powers to him. By using his powers a quality policy is prepared and communicated with faculty through regular meetings. The principal of the institution ensures that all the provisions of the university bye-laws, the status and regulations are observed and communicate with college staff and students & update him about the college activities and to know their future aspirations. The members of the management are accessible to the faculty to present their views and ideas.

The governing body comprises the members of the society, external experts, faculty and Principal; all major decisions will be taken during the meeting held twice in a year. The principal acts as member-secretary and takes the approval or get ratified the proposals submitted by the HODs and various committee conveners/coordinators.

### **6.1.3 What is the involvement of the leadership in ensuring:**

- **The policy statement and action plans for fulfillment of the stated Mission**
- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
- **Interaction with stakeholders**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**
- **Champion organizational change**

The leadership ensures that the stated mission is fulfilled with the policy statements and action plans defined. Continuous meeting with various stakeholders especially with students and staff gives the data required.

The Principal follows strategic plan and ensures that every teaching and non teaching staff have active involvement in the development of students.

The management and Principal, guides all the teaching and non teaching staff to work with a long term vision and to achieve the goals, objectives of the organization. The Principal being an apex authority has to take care of the staff by operating vistas for the better suggestions and grievances of the staff. He formulates the action plan for the operations, by considering the institutional strategic plan. The action plan formulated is implemented by the heads and staff members by preparing lesson plans, time tables, work load statements and all other necessary documents as per the norms of the university.

The Principal and HODs take proper steps in conducting feedback and monitoring the program to check the performance of the faculty members regularly. This way the college ensures that it is on the right track towards achieving academic excellence.

In 2011, the college has got ISO 9001: 2008 certification without any non conformity from board. In 2014 college has been awarded as “Most Promising Engineering College” by Brands Academy. In 2015 college has been awarded as ‘Global Quality Award in private engineering colleges in India’ by Brands Academy, New Delhi and ‘Training & Placement Institute award’ by 24MRC, New Delhi. The college pioneers in the field of changes in organizational set up by becoming an outward looking organization with focus on benchmarking against the best.

**6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?**

- Management of the institution and the principal of the college from time to time evaluate the progress made by the institute to reach vision and mission. The Principal and HODs of various departments take responsibilities to monitor and evaluate policies and plans for the effective implementation and improvement from time to time.
- Faculty will be provided timely feedback about their performance and the changes to be made in their teaching learning process for effective delivery of things; they were also motivated to focus on their career by participating in conferences and workshops.
- Guest lectures are organized by eminent persons to make the faculty learn about various techniques while delivering the lectures. Personality development sessions are also conducted for faculty to motivate the teaching and non teaching staff.
- There is a drastic improvement in the faculty performance from time to time over the years in the form of better performance in the class which in turn had resulted in better pass percentage among the students. Faculty had also shown interest in the area of research and development by participating in various workshops held in other colleges and by presenting papers in conferences. Good number of faculty had written and published papers in various journals of repute, thus bringing applaus to the institution.

### **6.1.5 Give details of the academic leadership provided to the faculty by the top management?**

Top management is very supportive towards academic works in the college. Faculty members are invited for meeting & discussions on various issues relating to the academics and they are free to express their views thus creating healthy work atmosphere within the institution.

The following are the details of the academic leadership provided to the faculty by the top management:

- By appointing good academician as Principal and HODs of various departments. The Principal and HODs with good academic track record and experience will stand as a guide and example to the juniors and will guide the department in right direction.
- Teaching aid and teaching methodology – freedom to use them for the required topics- utilise the faculty skill set for quality teaching.
- The faculty has free hand to organise/conduct seminar/workshop on the content beyond syllabus or latest trends in the concern course by the external experts from industry/academia.
- Faculty are in charges for class where they take care of about 60 students in their academic activities.

### **6.1.6 How does the college groom leadership at various levels?**

The principal involve all the staff members in all the activities of the college, by taking suggestions from the faculty and assigning them different tasks to complete.

- Senior staff members will be the convenors of various committees and are given full autonomy in decision making.
- Assigning individual task to the faculty such as a role of examination in charge, academic co-ordinator, outsourcing in charge etc. with which respective faculty will execute and improve their leadership qualities.
- Individual roles will be assigned to faculties at the time of conferences, symposiums, college events, workshops etc.
- Lab in charges will monitor the equipment and its conditions and will decide to place an order for new equipment/machinery.
- Faculty will also be given a role of project co-ordinator to monitor and guide the project work assigned to the group of students.
- Class teachers will be appointed on a periodical basis that will represent the class on various issues, problems.

This way the college grooms leadership skills among human resources at different levels.

### 6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

Individual departments are given autonomy to function.

- Principal is given sufficient freedom by the management to function & fulfil the vision and mission of the institution.
- Principal delegates the authority and responsibilities to the respective individual departments by thoroughly mentioning the institutional vision, mission and strategies needed to achieve under the duly laid institutional policies.
- Various heads of the departments divide all the department responsibilities equally among all the staff members.
- The responsibilities of all the faculty are duly known to each i.e., timetable preparation & subject allotment, conduction of internal examination within the department etc., and the same will be reminded to every faculty in every meeting.
- The head of the institution holds regular meetings with the teaching and non-teaching staff to discuss various issues relating to the institution and will take final decision.
- The heads of various departments monitor their respective departments. The participative decision making ensures participation of all the people concerned.
- The office administration of the college is headed by the office administrative in-charge, senior clerks, junior clerks and other sub staff.
- The office administrative in-charge in consultation with the principal co-ordinates the day-to-day activities.
- The decentralisation of the department and human resources personnel of the institution helps in improving the quality of education.

#### Various committees:

S.No	Name of the committee	Name of the convenor/coordinator
1	Anti ragging committee	K.Koti Reddy
2	Student Counselling and Grievances Redressal Committee	Dr. Y.Sesha Rao
3	Disciplinary Committee	M.Appa Rao
4	Public Relation, Press, Media & Publication Committee	Y.Sreenivasa Rao
5	Career Guidance, Training & Placements Cell	B.Mallikarjuna Rao
6	R&D Consultancy & External Funded Projects Cell	M. SriNagesh
7	Canteen Committee/ House Keeping/Hygiene/Sanitation	R.Veeranjaneyulu
8	NSS/NCC Committee	Ch.Ramesh

9	Transport Committee	M.Anil Kumar
10	Arts/Cultural/Literary & Hobby Clubs Committee	K.Kamalakar
11	Renewable Energy Committee	K.Venkateswarlu
12	Examinations/Time-Table/Admissions	Sk.Khadeer
13	Central Library Advisory Committee	G.Rajesh
14	Entrepreneurship Development Cell	Dr.V.Venkateswara Rao
15	Website/ICT/Self or E-learning Committee	Ch.Koteswara Rao
16	Alumni Committee	K.Aruna Shanthi
17	Electrical/ Computer network Maintenance Committee	S.Srinivasulu/K.Venkateswarlu
18	Internal Quality Assurance Cell	K.Ramesh babu
19	Right to Information Cell	Ch.Sreenivasa Rao
20	Professional Societies activities committee	B.Siva Prasad
21	Faculty/Staff Grievance	T.Murali Krishna
22	Social welfare	D.Prasad
24	Sports committee	K.Sundeeep

**6.1.8 Does the college promote a culture of participative management? If ‘yes’, indicate the levels of participative management?**

Yes, the college promotes a culture of participative management. The management and the principal of the college always encourages teaching and non teaching staff for an open discussion with respect to matters relating to the improvement of effectiveness and efficiency of the institutional process. There are regular meetings of office staff and management. Departmental meeting are conducted fortnightly and all the departmental staff are encouraged to express their views about particular issue/proposal.

Students are involved by forming them as committees during inter college, intra college events and their opinions will also be considered if found feasible regarding that particular event.

**Levels of participative management**

- Student – they share their views with the faculty in matters relating to class room administration and workshops
- Faculty – will be invited for discussion regarding any issues relating to the respective department and HOD will look for consensus of their staff on any proposal to be implemented.
- Management – will involve principal and HODs while brining in new polices regarding working of the college
- Industry – will suggest the management and the principal about industry requirements from the institution during their visit to the campus.
- Parents – will be taken the suggestions from the parents regarding facilities provided to the students.

- Alumni – During the Alumni meet which will take place once in a year will share their views about changes to be brought for preparing the students according to industry standards.

## **6.2 Strategy Development and Deployment**

### **6.2.1 Does the institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?**

#### **Quality Policy**

Yes, the Institution have a formally stated quality policy through which the institution want to achieve a global standards and excellence in education. The PACE is engaged in providing quality technical education, towards achieving high standards of teaching, training and development of human resources by encouraging the faculty and non teaching staff to work as a team and to update their knowledge and skills continuously to match the needs of the industry.

This shall be achieved by

1. Providing excellent infrastructure and conducive learning environment.
2. Building a harmonious work culture and motivating every faculty to contribute the best.
3. Proactively responding the changing needs of the industry, parents and the society by embracing latest technological trends in the field of education.
4. Complying with the requirements of ISO 9001:2008 standards and striving continually to improve the quality of operations of the institution.

The college has very effective internal coordination and monitoring mechanisms. The principal of the college takes initiative to ensure effective co-ordination between all departments of the college. On the basis of various policies formulated, objectives are laid down and plans made regular follow up are maintained, thereby encouraging greater support and co-ordination. The Heads of the departments and the faculty coordinate and plan their individual departmental activities and report to the principal accordingly.

The non-teaching staff works under the instructions of the Principal. The internal quality assurance cell established in the academic year 2014 on the basis of the guidelines set by NAAC helps the principal to co-ordinate and monitor the various activities of the institute. The different reports such as departmental reports, self appraisal reports, college annual reports, directives from the government etc., become the base for analysing and evaluating the overall performance of the institute. This also forms the basis for the future plan of action.



**6.2.2 Does the institute have a prospective plan for development? If so, give the aspects consider for inclusion in the plan?**

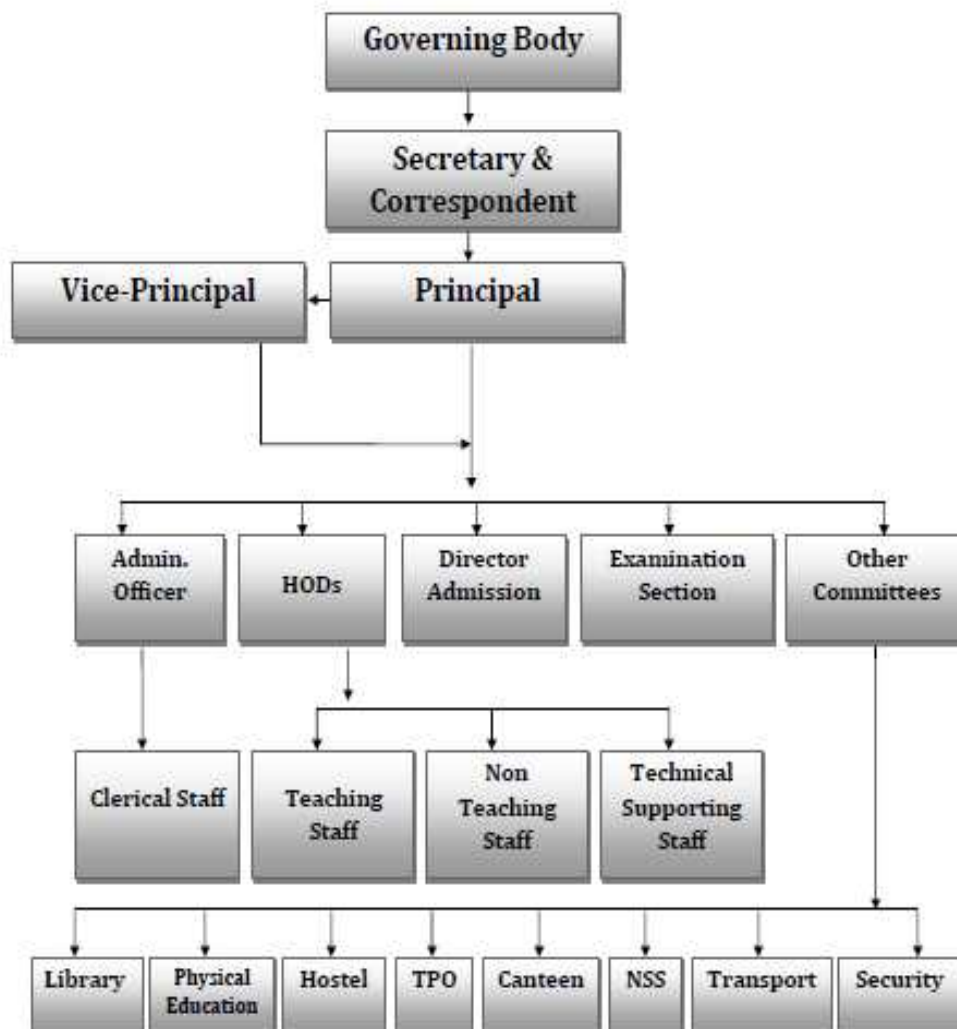
Yes, the institute have a prospective plan for development. The perspective institutional plan is developed by the Principal by consulting members of the management, vice-principal and heads of various departments. The academic committee comprising the Principal, vice-principal and heads of the departments meets twice during each academic year. On the basis of the academic schedule, the Principal in charge of the academic committee prepares academic calendar for the academic year. This calendar includes a list of programmes and activities to be conducted. It is prepared in consultation with faculty and administrators; hence they are automatically involved in planning process. These plans are improved regularly to ensure the development of the institution.

The Institution has its own plan for growth and development. The visionary management is having a prospective plan to take it into higher levels by bringing it an autonomous status followed by Deemed university status.

**6.2.3 Describe the internal organisation structure and decision making processes.**

The governing body of Sinivasa Educational Society is operating and managing various educational institutions. The administration of PACE institute is headed by the principal who is directly accountable to the parent body. The managing council of Srinivasa educational society controls and plans the finance and approves the scheme of development.

### Internal Organisational Structure



### Principal and Vice Principal

The Principal and Vice Principal are involved in the implementation of the various plans of the college. They ensure that regular day to day operations are properly conducted, through feedback from conveners, teaching and non-teaching staff.

### Heads of Departments

The Heads of Departments ensure that the plans communicated to them by the principal are implemented systematically.

### Committees for co-curricular and extra-curricular activities

The committees are formed at the beginning of the year and are assigned the tasks according to the institutional plans, for the co- curricular and extracurricular activities that enhance overall development of the students. For the smooth conduct of all administrative activities according to requirements of academic bodies, there are committees headed by senior faculty to guide the function.

### Various committees and their functions

S. No.	Name of the committee	Functions
1	Anti Ragging committee	<ul style="list-style-type: none"> <li>➤ To uphold and comply with the directions of the Honourable supreme court and be vigilant on any acts amounting to ragging.</li> <li>➤ To publicize to all students and prevalent directives and the actions that can be taken against those indulging in ragging</li> <li>➤ To consider the complaints received from the students and conduct enquiry and submit report to the principal along with punishment recommended for the offenders.</li> <li>➤ From anti-ragging committees/squads to make surprise visits and takes effective steps to prevent ragging.</li> <li>➤ Oversee the procedure of obtaining undertaking from the students in accordance with the provisions. Conduct workshops against ragging menace and orient the students.</li> <li>➤ To provide students the information pertaining to contact address and telephone numbers of the person (s) identified to receive complaints/distress calls.</li> <li>➤ To offer services of counselling and create awareness to the students.</li> <li>➤ To take all necessary measures for prevention of ragging inside the campus/Hostels.</li> <li>➤ The committee shall monitor the functioning of the vigilance committee and vigilance anti-ragging squad.</li> </ul>
2	Student counselling and Grievances committee	<ul style="list-style-type: none"> <li>➤ The college had constituted a “GRIEVANCE REDDRESSAL COMMITTEE’ to offer suggestions to the Management/Principal in all the matters connected with the staff and students welfare such as examinations, college timings, transport, canteen facilities, ragging and other such matters relating to welfare activities of the staff and students, and see that all the suggestion boxes are kept at appropriate place and receive grievance from the staff and students.</li> <li>➤ The committee members will meet as and when the need arises and forwards their recommendations to the principal/management for further course of action.</li> <li>➤ The committee members will meets at least once a month</li> </ul>

		<p>to chalk out any problem that will arise from time to time. However, the committee has to time bound limit to conduct any meeting during any emergency situations raised in ragging and any other situations.</p> <ul style="list-style-type: none"> <li>➤ The committee members will co-operate to the principal/management in the day to day administration for the smooth running of the college and will work as a nodal agency on behalf of the staff and students welfare</li> <li>➤ The Committee members will assist to the chairperson in the conducting of the meeting and suggest all the possible measures to be taken to prevent any untoward measures.</li> </ul>
3	Disciplinary committee	<ul style="list-style-type: none"> <li>➤ To hear individual cases</li> <li>➤ To render fair and appropriate decisions in a timely fashion</li> <li>➤ To maintain &amp; enforce strict discipline in the college campus.</li> <li>➤ To enforce strict dress code among students. Please note that wearing of Jeans by students is not permitted &amp; any one found wearing jeans should not be allowed to enter the College.</li> <li>➤ To enforce total prohibition of Cell Phone usage by the students inside the College Campus. Please note that Cell phone is totally prohibited in the College Campus and if a student is found carrying Cell Phone, the Cell phone needs to be confiscated &amp; returned to the Principal.</li> <li>➤ To Monitor the movement of the students in the College and prevent students loitering around in the corridors during the College working hours.</li> <li>➤ To ensure that all the students attend classes without bunking &amp; prevent the Students leaving the College early. Please note that no student can leave the College early without prior permission of the higher authorities</li> </ul>
4	Public Relation, Press, Media & Publication Committee	<ul style="list-style-type: none"> <li>➤ Upload the Publications in the concerned departments on the college website.</li> <li>➤ Maintain the Publications Data Warehouse of faculty publications</li> <li>➤ Continually improve the quality of publications.</li> <li>➤ Keep our members informed on recent issues concerning research</li> <li>➤ Maintain the cordial relationship with the press and media</li> <li>➤ Intimate the faculty members about Workshops/Conferences/Seminars</li> </ul>
5	Training & Placements Cell	<ul style="list-style-type: none"> <li>➤ To create placement avenues in different industries for all the eligible students.</li> <li>➤ To approach industry for industry-institute partnership wherein the consultancy cum research projects can be offered to faculty members</li> </ul>

		<ul style="list-style-type: none"> <li>➤ To develop effective interface with industries of interest so as to facilitate training of students.</li> <li>➤ To inspire the faculty to update so as to include in their teaching the requirements of industry and produce industry ready graduates.</li> <li>➤ To arrange guest lecturers of Eminent Personalities from Industry for career counselling.</li> <li>➤ To arrange interactive sessions with people concerned in entrepreneurship and offer all the necessary guidance to encourage young entrepreneurs</li> <li>➤ To train the students to upgrade their skill sets in tune with the requirements of the industry</li> </ul>
6	R&D Consultancy & External Funded Projects Cell	<ul style="list-style-type: none"> <li>➤ A research and development cell is responsible for innovations in technical and managerial pedagogies. This R &amp; D is creating innovative application of ideas to keep institute a step ahead in the competition. Many institutes are also relying on the R&amp;D cell to explore new ways of professional education.</li> <li>➤ Research and development works closely with the interdisciplinary approach which is lined with latest trends by surveying and researching student's demands, imparting modern methods and the existence of technology across the relevant social requirements. The research and development cell gathers all the data, and makes this information available to the analysis, which will take action in response to the findings and proceed to keep the institute on top of current social needs.</li> <li>➤ Our institute is thriving to succeed by creating quality education as well as by increasing institute's credibility through cost-efficient methods. In this process our research and development cell is primarily responsible for ensuring that these activities are met.</li> </ul>
7	Canteen Committee/ House Keeping/Hygiene /Sanitation	<ul style="list-style-type: none"> <li>➤ Ensure a healthy and safe working environment.</li> <li>➤ Plan, organize, control and evaluates the needs of the canteen.</li> <li>➤ Present a monthly and yearly report to the sponsoring body.</li> <li>➤ Produce a canteen menu and price list.</li> <li>➤ Monitor, and if required upgrade the condition of the canteen's facilities and major equipment</li> <li>➤ Allocate separate space for girls</li> <li>➤ May employ and dismiss staff according to legislation</li> </ul>
8	NSS/NCC Committee	<ul style="list-style-type: none"> <li>➤ Inviting doctors for health camps</li> <li>➤ Cleaning stage shows or a procession creating awareness of such issues as social problems, education and cleanliness</li> <li>➤ Stage shows or a procession creating awareness of such issues as social problems, education and cleanliness</li> <li>➤ A forestation</li> </ul>

		➤ Awareness Rallies
9	Transport Committee	<ul style="list-style-type: none"> <li>➤ Maintaining the ISO documents</li> <li>➤ Provide transportation facility to cover 70km radius both for students and staff.</li> <li>➤ Inspecting the condition of the buses and reporting for necessary actions</li> <li>➤ Coordinate various bus routes regularly with the help of bus in-charges</li> <li>➤ Periodically checking the documents of the buses</li> <li>➤ Reporting to the superiors as and when required</li> <li>➤ Supervise the daily bus operation and giving instructions to the bus in-charges</li> </ul>
10	Arts/Cultural/Literary & Hobby Clubs Committee	<ul style="list-style-type: none"> <li>➤ To encourage the students to express their inner feelings to the outside world.</li> <li>➤ To expose the students to various cultures and respect them.</li> <li>➤ To increase the social relationship in the college hence to mingle with society.</li> <li>➤ To make the students more active in their academics by providing a platform for recreation and self-expression</li> <li>➤ To bring out hidden talents of the students.</li> </ul>
11	Renewable Energy Committee	<ul style="list-style-type: none"> <li>➤ To Energy efficiency and conservation, and energy education on the college campus</li> <li>➤ To develop the commercially viable alternative energy resources in the college.</li> <li>➤ To study the scope for using renewable energy sources in the college campus.</li> <li>➤ To protect the environment.</li> <li>➤ To generate ideas and technologies that can be used to improve the use of energy usage in college campus.</li> <li>➤ To popularize promote the use of renewable energy technology in the college.</li> </ul>
12	Department Associations Committee/ E-plus Club	<ul style="list-style-type: none"> <li>➤ Opening students' chapters in the department to get benefit to the students.</li> <li>➤ To maintain professional ethics in the department by faculty as professional members.</li> <li>➤ To motivate the faculty and students to maintain professional memberships.</li> <li>➤ To organize and conduct professional activities in the department to develop professional skills of the students for their growth in the career.</li> <li>➤ To organize department wise technical events for developing the technical knowledge with the involvement of students.</li> </ul>
13	Examinations /Time-Table /Admissions	➤ The Coordinator of the Examination and the Committee ,from time to time, responsible for providing advice to the Principal on matters pertaining to examinations.

		<ul style="list-style-type: none"> <li>➤ The Committee is responsible for setting, marking and reviewing questions and question papers of internal examinations.</li> <li>➤ The Committee oversees the function of the Examination Department, including communication with candidates, the logistics of preparing for examinations and communications with overseas centres</li> <li>➤ The Committee ensures the standard, validity and fairness of examinations and produces appropriate pass lists</li> </ul>
14	Central Library Advisory Committee	<ul style="list-style-type: none"> <li>➤ To consider and put forward the views of Faculty, Students and Research Scholars regarding books/journals selection, ordering process etc</li> <li>➤ To look into day to day problems of the Library clientele, Library staff</li> <li>➤ To review the functioning of the library with regards to its support to the academic programmers of the Institute</li> <li>➤ To formulate action plan for the development of library infrastructure, facilities, products and services</li> <li>➤ To advise the management on matters of policy relating to the development of library</li> <li>➤ To enhance and support the research activity of the Institution</li> <li>➤ To evaluate the suggestions made by the library users</li> <li>➤ To provide general direction to the Central &amp; Departmental Libraries of the Institute</li> <li>➤ To maintain liaison between Central Library and various Academic Departments for the procurement of books and journals</li> <li>➤ Any other function as assigned by the Principal/Management</li> </ul>
15	Entrepreneurs-hip Development Cell	<ul style="list-style-type: none"> <li>➤ To make the potential entrepreneurs know about the possible risks and failures of the project and make them learn how to overcome these problems.</li> <li>➤ To develop a passion for integrity, honesty and industrial discipline.</li> <li>➤ To identify and train potential entrepreneurs in the institute.</li> <li>➤ To develop team building, technology up-gradation, growth and above all broad vision about the business.</li> <li>➤ To give a clear picture about the process and procedures involved in setting up small scale Industrial unit or ancillary unit.</li> <li>➤ To develop necessary knowledge and skills among the interested budding entrepreneurs.</li> <li>➤ To help in analyzing the various options to select the most appropriate product suiting to the Entrepreneur and the market.</li> <li>➤ To develop various businesses related skills of marketing,</li> </ul>

		<p>quality management production, distribution and human resource management etc.</p> <ul style="list-style-type: none"> <li>➤ To formulate the detailed feasibility and viability Project Report</li> </ul>
16	Website/ICT/Self or E-learning Committee	<ul style="list-style-type: none"> <li>➤ Implement new features, and determine what should be included in the website</li> <li>➤ Collect and discuss feedback from college members</li> <li>➤ The SITE Website Committee is responsible for maintaining the college's website. The committee ensure that content is up-to-date and accurate</li> <li>➤ Generate and communicate ongoing task list</li> <li>➤ Collaborate with the campus web team to maintain current web standards, styles, protocols, etc. and build links to high level content</li> </ul>
17	Alumni Committee	<ul style="list-style-type: none"> <li>➤ To help alumni in solving their technical problems through other alumni and faculty of the institute.</li> <li>➤ To establish and maintain an alumni association.</li> <li>➤ To provide information about the current issues and trend going on in real-time environment.</li> <li>➤ To provide guest lectures and employment opportunities for the present students through alumni.</li> <li>➤ To support the institute with resources that it will need for its various activities.</li> <li>➤ To assist students in availing project facilities.</li> <li>➤ To provide and organize funds for the needy and deserving students of the institute.</li> <li>➤ To maintain a database of alumni, enabling them to reconnect with their friends.</li> <li>➤ To strengthen relation between the Institute and alumni and encourage them to participate in the various cultural and social activities.</li> </ul>
18	Electrical/Computer network Maintenance Committee	<ul style="list-style-type: none"> <li>➤ Centralized management of electrical / computer networks</li> <li>➤ Implementation of new technologies in computer / electrical networks.</li> <li>➤ To support and resolve computer / electrical networking issues of the organization.</li> <li>➤ Proper color coding for easy identification of the components in the network.</li> <li>➤ Plans for computer / electrical networks for new buildings.</li> <li>➤ Implementation of security programs like firewall, antivirus etc</li> <li>➤ Storage management for user accounts.</li> <li>➤ User accounts / E mail accounts management.</li> <li>➤ Management of earth pit to avoid electrical shocks</li> </ul>
19	Internal Quality Assurance Cell	<ul style="list-style-type: none"> <li>➤ To disseminate information on quality aspects and innovative practices through workshops, seminars, conferences, guest lectures, training programs and promotion of quality circles.</li> <li>➤ To collect feedback from the students regarding various facilities and services being provided in the college and</li> </ul>



		<p>make improvements in the light of the feedback.</p> <ul style="list-style-type: none"> <li>➤ To ensure maintenance of quality as per the standards enforced by various accrediting agencies like NBA, NAAC and ISO.</li> <li>➤ To conduct periodic internal audits for reviewing the quality management system.</li> <li>➤ To maintain a liaison and establish network with individuals and organizations connected with quality assurance in the field of education.</li> <li>➤ Documentation of the various programs/activities leading to quality improvement.</li> <li>➤ Arrangement for feedback responses from alumni, parents and other stakeholders on quality-related processes of the College.</li> <li>➤ To chalk out the plan of action at the beginning of the year, conduct mid-session reviews and the outcome achieved at the end of the year towards quality enhancement.</li> </ul>
20	Right to Information Cell	<ul style="list-style-type: none"> <li>➤ Statement of the boards, councils, committees and other bodies consisting of two or more persons constituted as its part or for the purpose of its advice, and as to whether meetings of those boards, councils, committees and other bodies are open to the public, or the minutes of such meetings are accessible for public.</li> <li>➤ Powers and duties of officers and employees.</li> <li>➤ Norms set by it for the discharge of its functions.</li> <li>➤ The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions.</li> <li>➤ Statement of the categories of documents that are held by it or under its control.</li> <li>➤ Particulars of organization, functions and duties.</li> <li>➤ Particulars of arrangement that exists for consultation with, or representation by, the members of the public in relation to the formulation of its policy or implementation thereof.</li> <li>➤ Directory of its officers and employees.</li> <li>➤ Procedure followed in the decision making process, including channels of supervision and accountability.</li> </ul>
21	Professional Societies activities committee	<ul style="list-style-type: none"> <li>➤ Encourage membership in the engineering honoraries, professional societies, and College of Engineering committees and participation in college-wide events.</li> <li>➤ Coordinate activities involving engineering students.</li> <li>➤ Recognize outstanding students and faculty in the college</li> <li>➤ Establish and coordinate college-wide committee necessary to serve students.</li> <li>➤ Encourage the continual improvement of engineering education and professionalism within the college and the university.</li> <li>➤ Serve as the primary allocator of funds provided by the</li> </ul>

		College professional society of Engineering to engineering student organizations.
22	Faculty/Staff Grievance	<ul style="list-style-type: none"> <li>➤ Making suggestions to improve the welfare of all stakeholder</li> <li>➤ Addressing and counselling the faculty/staff.</li> <li>➤ Receiving and addressing all the complaints/grievances of faculty/staff.</li> </ul>
23	Social Welfare (BC/SC/ST)	<ul style="list-style-type: none"> <li>➤ To promote higher education and impart quality education on par with general students.</li> <li>➤ To increase access to education to persons belonging to BC, SC and ST Communities.</li> <li>➤ To provide coaching facilities to eligible BC, SC and ST Students.</li> <li>➤ To provide quality education to meritorious BC, SC and ST Students pursuing studies at pre-matriculation Level.</li> <li>➤ Strive for educational advancement of Scheduled Castes</li> <li>➤ To reimburse tuition fees.</li> <li>➤ Ensure welfare and protection of Scheduled Caste.</li> </ul>
24	Sports & Games	<ul style="list-style-type: none"> <li>➤ Motivate the students to involve in physical activities and sports</li> <li>➤ To make the students participate in the tournaments and loyalty to the college</li> <li>➤ To improve physical fitness and strength</li> <li>➤ To develop leadership quality and overall development by involving in sports</li> <li>➤ To improve competitive spirit</li> <li>➤ Feeling the sense of wellness of the students and staff by participating in sports</li> </ul>

**6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following?**

**Teaching & Learning**  
**Research & Development**  
**Human resource management**  
**Industry interaction**

**Teaching- Learning**

Teaching plans are prepared for a semester. These get verified and checked at different stages in accordance with syllabus and scheme of examination given by JNTU Kakinada.

The teaching – learning process is facilitated through qualified, trained and experienced faculty. Apart from class-room teaching, students are encouraged to use library and internet facilities. The teaching staff maintains diary and record daily instruction delivered, practical's conducted and other activities

performed. Any short time responsibilities (Extra lecture, duties for seminar etc.) are properly recorded and informed to concerned authority. The teaching plan is drawn up month wise by each department and it is strictly monitored by the Heads of Department with the help of Monthly Monitoring Sheets. The effectiveness of teaching – learning process is reviewed on regular basis. The inputs for such review may be from:

- Students' feedback.
- Results of internal tests.
- Quality of assignment submitted.
- Final results of semester

The teaching and learning process is reviewed by head of the department for the concerned teaching faculty and the feedback is communicated. The concerned faculty then plans for improvements which are monitored on a regular basis for their effectiveness. IQAC monitors course files, lab manuals and project reports quality.

### **Research and Development**

Research has been considered as an important integral part of the academic endeavors in PACE. The college consists of separate wing named as Research and development and is headed by Sri. M. SriNagesh, having vast experience in the area of Research and development. Many seminars and workshops are organized by the college to provide expert information on research methodology. The college promotes faculty participation in research by granting them leave, helping them in participation of faculty improvement programmes and arranging for books required by them.

The College is creating a very congenial atmosphere to the faculty for the sustainable development in the wake of modern challenges in imparting quality education. For which the college management is very cooperative in developing teaching fraternity by allowing them

- To register for their Ph.Ds as part of continuing education
- To engaging in AICTE funded projects like IIPC,RPS,FDPs etc.
- To upgrade the qualifications
- To partner with Indian and overseas educational institutions for improving standards on special leave
- To attend various training and developing activities at national and international level
- To contribute in serving the surrounding community through various R & D activities
- To actively participate in different professional bodies.

### **Human Resource Management**

The College has adopted a mandatory self-appraisal method to evaluate the performance of the faculty in teaching, research and extension programmes. At the end of the semester, every teacher is given a faculty performance appraisal form. The form requires the teacher to give his/her self-evaluation of the academic, co-curricular and extra-curricular work done during that

semester. It also requires the teacher to enumerate the papers presented at conferences, seminars, refresher courses and orientation programmes he/she has attended. The report to be filled in by each teacher is also evaluated and it analyses the duties performed with respect to lectures completed as per the teachers planned lecture schedules, lectures taken. The Principal appreciates during monthly staff meetings to follow such best practices in the interest of the college and self development.

Based on the strengths and weaknesses in the process and the outcomes of teaching, learning and evaluations the students and faculty will be trained and appraised through the following stages

- In the first phase, filling of the Faculty self-appraisal form by giving details of activities carried throughout the year in the area of teaching, training, consulting, research and academic administration.
- In the second phase, Head of the department writes the appraisal
- At the final phase of appraisal, Head of the Institution will assess the quality of the faculty.

The self-assessment report is one of the important yard stick used for the promotion of the faculty. It also gives a picture of the needs of the faculty in terms of their research and other activities.

PACE ITS makes efforts to identify and meet such need s to encourage the faculty. Faculty is given various opportunities to take part in developmental activities like

- Attending and organized Conferences, Seminars at National & International levels. These are mostly funded by the College
- Conducting Conferences, Seminars and Workshops

The shortfalls in the budget in conducting such activities, the College or the society will fill the short falls. Those faculty members, who take part in such activities are also provided special leave. Suggestions to improve the academic system provided by the faculty through the self-assessment report are also taken into account by the College for the Institutional Development.

### **Industry Interaction**

Experts are invited from various fields to deliver guest lectures and industrial visits are arranged. The Training and Placement cell organizes various seminars, presentations in schools, colleges in prakasam district to make them well aware about their courses to be taken in future. Students received excellence exposure in making presentations. Many students are placed every year in different organizations through campus interviews conducted in our college, in collaboration with prominent industries. In conferences and seminars industry experts are invited to deliver lectures and interact with the teaching staff.

As part of industry interaction PACEITS adopts and initiates practices to find the expertise by not only recruiting faculty from industry but even it provides a platform for practical exposure to the students and faculty as well. The activities initiated are

- Industrial Visits
- Guest lectures by professionals from industry and academics.
- Invited lectures from industry.
- Industry Institute Partnership Cell
- Entrepreneurship Development Cell
- National Entrepreneurship Network
- Professional Societies/Bodies

**6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?**

The Head of the institution ensure that adequate information is available to the top management and stakeholders from time to time.

- Management- Principal timely presents information to the management about the feedback from the students about academic activities, feedback from the staff and students, feedback from parents and industry. Some of the important decisions taken during the academic year will also be ratified.
- Students & faculty – students and faculty gets the information in a transparent way from time to time either through meetings or through circulars, some of the information will be shared in direct interactions.
- Alumni – Alumni will be provided updated information about the institution by using information technology.
- Parents – At the beginning of the academic year, an orientation programme is conducted during the admission of the students into the college and the principal explains about the institution, its policies and also various queries of the parents.
- Employer – During their visit to the college
- Experts - During their visit to the college

In addition the Principal collects feedback from randomly selected students on the performance of the faculty members and the same is intimated to the top management based on the feedback. Parent, teachers meeting also helps the management to review the overall quality of education provided by the college, as they bring in feedback and suggestions for quality enhancement. The Principal also organizes student representative meetings or meet them in person and enquires about their satisfaction with regard to the quality of education in the college.

**6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?**

The success of every institution depends on the quality of staff and their commitment towards achieving institutional vision and objectives. Hence, the management works with the faculty members hand in hand. The talent and potential of every staff member is recognized and

honored. The management creates a healthy working atmosphere and even allows a participative decision making process where the staff members can present their suggestions or views in staff council meeting. All staff meetings have an open forum where the faculty members are asked to express their thoughts on the matters under discussion or on any other matter of concern. They are also encouraged to provide suggestions on academic matters to improve the standard or quality of education.

- Besides, each faculty is entrusted with additional responsibilities to take charge of one or two club /association activities. This ensures the active involvement of the faculty members in ensuring effective development of co-curricular and extension activities for students. Every activity initiated are reviewed in the staff meeting and significant contribution from faculty are appreciated. As a token of encouragement, letter of appreciation is awarded to faculty members when their contribution is highly commendable.

PACE ITS plays a very vital role in bringing up the faculty forward to initiate and gain competitive edge through their personal involvement in many activities like

- Heading various committees at college level.
- Empowering the individual faculty through decentralized functioning mechanism.
- Great level of flexibility in academic administration to make decisions
- In designing the required training programs and updates it needs
- In preparing annual plans
- Freedom of action and decision
- Freedom of thought and expression
- Idea generation and implementation
- Providing feedback to determine the degree of the positive impact on any proposed activity by the department/college
- Formal/Informal gatherings with the Management periodically

#### **6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions?**

The Governing Board during the last year resolved to implement the following activities:

1. To increase the number of seats for all the UG &PG programmes.
2. To start Campus Recruitment Training for all the final year UG & PG students.
3. To construct a new block in the campus.
  4. To Increase the volumes of books, journals (international & domestic) than existing one.
  5. To improve the awareness about GATE, CAT, GMAT, GRE & TOEFL among the students by appointing individual academic coordinators in all departments. Bank coaching classes for all MBA students to be organized to improve students' performance in IBPS, other competitive exams.

### **Status of resolutions**

- The Institution had got approval to increase the number of seats for three UG programmes, and a PG programme (MBA)
- CRT (Campus Recruitment Training) for all the final year UG students had been initiated during the current academic year.
- The Institution had initiated construction of a new block to accommodate increased intake and the work is in progress.
- College had strengthened its library by increasing volumes of books, journals in the current academic year.

#### **6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If yes, what are the efforts made by the institution in obtaining autonomy?**

Yes, the institution has in the process of getting NAAC accreditation and later to apply for 2(f) &12(b) to get the Status of Autonomy.

#### **6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?**

The college had constituted grievance redressal committee and women empowerment cell.

Grievance redressal committee is headed by Vice principal with six other teaching staff members. The committee will address the issues relating to the students & staff and will try to resolve the issues amicably. Suggestion boxes are placed at respective departments and other prominent places to take suggestions from the students. Women empowerment cell is headed by senior women faculty R.Anitha Raj, with other female faculty and will address the grievances relating to women.

#### **6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

No

#### **6.2.11 Does the institution have a mechanism for analyzing student feedback on institutional performance? If yes what was the outcome and response of the institution to such an effort?**

Yes, the institution has a mechanism for analysing student feedback on institutional performance. The student is a primary stakeholder of the college it is increasingly important for institutions to ensure that feedback is collected effectively and used wisely. Feedback is taken from student on current semester courses and is also collected from alumni during the alumni meets.

- Feedback is collected from the students twice during the semester and the same will be communicated to the faculty and HOD of the respective department.
- Faculty members have to give an explanation in case of poor feedback from the students.
- Feedback provided by the alumni will be sent to principal and management for necessary action.

### **6.3 Faculty Empowerment Strategies**

#### **6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?**

The College makes sincere efforts to enhance and enrich the professional development of its teaching and non-teaching staff.

Some of them are as follows:

- Conducting Faculty development programs in college premises by resource people from various institutions & industries at seminars and conferences.
- The faculty also gets an opportunity to interact with experts from different fields through which faculty can enrich their knowledge, these helps them in handling the classes in a better way.
- Staff members are deputed for orientation and refresher courses as and when necessary to them.
- Encouraging faculty to attended & participate at national seminars.
- Encouraging the staff to visit industries regularly through that they will understand present conditions of Industries.
- Regular workshops are conducted through that the staff can understand if any changes in syllabus or new developments in the field workshops conducted by the University.
- Faculty members are encouraged to attend seminar and conferences at regional & National level by providing on-duty facility to them.
- Experts from the industry and academia are called to address the staff.
- Non teaching staff will be allowed to participate in the training programme which will be provided by the vendors on the new equipment, its functioning, various parts with which it is made and its maintenance.
- Non teaching staff will also be provided training on how to maintain equipment/lab register, preparation of lab expenses using an excel sheet etc.



**List of training to faculty**

S. No.	Topic	Name of the speaker	Name of Institute	Date of event
1	Effective methods of Teaching	Prof. M.L.Sai Kumar	DEAM Institute of Public Enterprises, Hyderabad	07/07/2013
2	Pedagogy approaches in undergraduate programme	Dr.Uma Sridhar	IBS, Bangalore	29/09/2014
3	HR practices in current scenario	B.Venkateswara Rao	M/s Keerthi Industries, Hyd.	08/04/2015

**6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

- Faculty is entitled to be sponsored for paper presentations, attending seminars and training programmes, workshops, quality improvement programmes etc.
- Better working environment conducive for teaching learning process is provided, other benefits like health insurance plan, PF and incentives for acquiring higher educational qualification is provided.
- Institution is taking all the measures to empower faculty by including him/her as a member of any one of the various committees and will be given roles and responsibilities which he/she has to perform in the committee. Training will be imparted relating to his/her roles and responsibilities, by the committee co-coordinator. Faculty will be empowered to execute his/her duties and will be made accountable to the results.
- As and when institutional changes are made with respect to functioning, the same will be communicated and necessary sufficient training will also be provided to the staff to perform his/her duties. The heads of various departments and coordinators of various committees will take the lead role in motivating the employees.

**6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal?**

The institution has a its own performance appraisal mechanism to apprise the performance of staff

- The performance appraisal system is implemented.
- The report of the performance appraisal of the faculty is submitted to the principal through the respective heads of the departments.
- Actual performance intimated to the faculty at the end of the academic year.

- Student feedback is taken on semester basis and the summaries of the feedback are given to the faculty members.
- The head of the department along with all the staff members discuss about the performance issues and implement the corrective measures.



### FACULTY PERFORMANCE APPRAISAL

**4.1.7/2012/EEE/HR/FS/PP/FPA**

1. Name :  
 2. Designation :  
 3. Department :

### **ACADEMIC WORKS**

4. Progress Report for the Semester: Academic Year:

	Subject 1	Subject 2	Subject 3
% of Syllabus Covered			
No. of Units Completed			
No. of Periods Conducted			
University Prescribed-Periods			
Percentage of Pass			
Percentage of Fail			
No. of students scored above 75%			
No. of students scored above 60 %			
Highest Marks			

### **PERSONAL CONTRIBUTION:**

- 5 a) Innovative methods (Class Room & Lab) [1] :  
 (b) Extra Coaching Arranged [1] :  
 6. Laboratory [1] :  
     No. of Session Conducted :  
     No. of Experiments prescribed in the syllabus :  
     No. of Experiments Completed :  
 7. List of Seminars / Workshops Attended During this Academic Year [1]:  
 8. List of Papers / Articles Published / Presented during the Year [1]:  
 9. List of Sponsorship / Consultancy / Project Work [1]:

10. Any other Assignments (Non – Academic Works) pertaining to [1]:  
 (a) College  
 (b) University  
 (c) Any other Organization
11. a) Appreciation / Awards / Recognition earned [1] :
11. b) Disciplinary Actions faced :
12. Other activities Inside/Outside the campus towards development of self & students[1]:
13. Any other Information
14. Whether proficient with Rules, Regulations & Management system [1]
15. Leave Details:

Period		No. of CLs (Days)	Loss of Pay (Days)	Number of 1.30 hr permissions
From:	to:			

**Date****Signature of the Faculty****a) Remarks of the head of the department and points awarded:**

(based on inter personal relationship with faculties and students, specific contribution to the department etc)

**Head of the Department****b) Remarks of the principal and points awarded:**

(Based on specific contribution to the institutional and departmental activities, on-time completion etc)

**PRINCIPAL****STAFF APPRAISAL – POINTS EARNED:**

Students Feedback- 35%	University Results-35%	Self Appraisal 10%	HOD 10%	Principal 10%	Total

**PRINCIPAL**

**6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decision taken? How are they communicated to the appropriate stakeholders?**

- The Principal of the institution evaluates the performance appraisal of all faculty members. Students' feedback is taken and analysed twice in a semester and the necessary steps initiated.
- Based on the feedback provided by the students and the performance appraisal of faculty, need based training is provided to the faculty and during the four semesters three such sessions were conducted. Respective HODs of various departments will communicate the results of the feedback to the faculty individually.

S. No.	Name of the training	Date of training	No. of faculty undergone training	Trainer
1	Content delivery	08-12-2013	15	Dr.C.V.Subba Rao, Principal
2	Communication and its importance	14-08-2012	12	Ch.Hima Bindu, Asst. Professor, English
3	LCD usage to improve class room performance	14-08-2012	12	Ch.Suresh babu, HOD, CSE

**6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

Since its inception, Pace Institute of Technology & sciences has always viewed its people as its greatest asset. Measures taken by the Institution has become a benchmark for various other institutions in the same locality. The Institution endeavours to be an 'Employer of Choice' by fostering an environment of continuous improvement, health and safety, and corporate responsibility.

Various welfare schemes provided by PACE to its employees is as follows:

- Holiday tour
- Transportation
- Canteen
- Sick leave pay
- General insurance
- Career counseling
- Families get together

### Percentage of staff that availed the benefit of such schemes

Year	Teaching staff				Non Teaching staff			
	Holiday tour	Transportation	Canteen	Sick leave pay	Holiday tour	Transportation	Canteen	Sick leave pay
2010-11	2	12	42	3	1	04	10	2
2011-12	3	22	45	2	2	05	15	3
2012-13	2	26	55	4	1	5	17	1
2013-14	1	35	56	3	1	6	23	2

#### 6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- Various measures are taken by the College to retain eminent faculty. Existing Faculty is encouraged to attend seminars and conferences. Eminent faculty from other colleges is being offered better monetary benefits. A good work culture is inculcated within the institution where in, faculty is mutually helping each other in their academic works.
- All the faculty working in the college arrange get together once in a semester so that they will be rejuvenated and a culture of being a family will be developed among the faculty of the PACE group, thus being able to retain the quality faculty.

### 6.4 Financial Management and Resource Mobilization

#### 6.4.1 What is institutional mechanism to monitor effective and efficient use of available financial resources?

- The College has very effective mechanism to monitor effective use of financial resources. Financial budget relating to functioning of the institution for the forthcoming academic year will be prepared by duly considering probable expenses and incomes. The Principal of the College ensures that expenses are incurred for the purpose of implementing institutional plans.
- For any requirement for equipment or other major items, requisition is submitted to the Principal by the respective head of the departments. Quotations are evaluated, comparative statement is prepared, suppliers are called for personal discussion and after comparing all aspects from various suppliers, orders are placed. This ensures that right equipment is purchased at most competitive price. Further accounts of the institution are subject to internal and external audit. Any discrepancy in internal audit will be brought to the notice of the principal.
- Further budget is prepared at the beginning of the year and actual expenses incurred during the year are compared with budget and any major variation is discussed by the Principal with concerned person.

**6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.**

The accounts of the College are audited regularly as per the Government rules. The external auditor conducts statutory audit at the end of financial year. The report of external auditor of the last year along with audited Balance Sheet and Income & Expenditure account is enclosed. The last audit for the year 2014-15 was completed on May, 2015 and there were no major audit objections in the same.

Internal audit – Internal staff appointed by Principal

External – CA (financial), JNTUK

**6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with institutions, if any.**

The College runs on self financed basis. It does not receive any grant from the Government. It solely depends on the tuition fees collected from the students. The details of fees and other revenue for last four years are as follow:

**Table 6.4 Details of Fees from Self-Financed Section**

S. No.	Academic year	Income from Tuition fee	Expenditure
1	2010-11	5,22,18,481	5,27,44,111
2	2011-12	5,94,68,451	5,97,25,226
3	2012-13	6,25,79,306	6,78,81,603
4	2013-14	7,19,82,291	7,15,91,593

**PACE INSTITUTE OF TECHNOLOGY & SCIENCES**  
**NEAR VALLURAMMA TEMPLE, GREAT NORTHERN TRUNK ROAD, ONGOLE**  
**BALANCE SHEET AS ON 31-3-2014**

LIABILITIES	₹	ASSETS	₹
Corpus Fund	4250374.01	Fixed Assets less depreciation	9377009.70
Secured Loans	585948.00	Hostel Buildings- Work in Progress	2210318.00
Unsecured Loans	691000.00	<b>Current Assets, Loans &amp; Advances:</b>	
<b>Current Liabilities &amp; Provisions</b>		Deposits	2162228.00
Sundry Creditors	3648371.73	Loans & Advances	2048698.00
Provision for Expenses	202763.00	Sundry Debtors	2770629.23
Scholarships Payable	39437.00	TDS	35134.00
		Cash & Bank Balances	7891940
<b>Branches &amp; Divisions</b>		<b>Branches &amp; Division</b>	
Srinivasa Education Society	10848903.89	PACE the Global School	2327059.00
SFS Canteen & Hostel	5048853.00		
	<b>165199860.43</b>		<b>165199860.43</b>

As Per our Report of even date  
 For Madhavi Rajesh & Associates  
 Chartered Accountants-FRN 009854S

(Rajesh Gundoor)  
 Partner-M.No. 205209  
 Place: Ongole  
 Date :29-06-2014

For and on behalf of Srinivasa Education Society

(Madhusetty Sridhar)  
 Secretary

**PACE INSTITUTE OF TECHNOLOGY & SCIENCES**  
**NEAR VALLURAMMA TEMPLE, GREAT NORTHERN TRUNK ROAD, ONGOLE**  
**BALANCE SHEET AS ON 31-3-2013**

LIABILITIES	₹	ASSETS	₹
Corpus Fund	(53,02,204.97)	Fixed Assets less depreciation	72760487.80
Secured Loans		Work In Process	18850242.00
Cholamandalam Investment & Finance Co Ltd	1040705.00	<b>Current Assets, Loans &amp; Advances:</b>	
<b>Current Liabilities &amp; Provisions</b>		Deposits	2090589.00
Sundry Creditors- Material	1770042.78	Cash & Bank Balances	2570430.47
Other Payables	39437.00	Loans & Advances	2332402.00
<b>Branches &amp; Division</b>		Sundry Debtors	2821369.23
Srinivasa Education Society	96257917.05	TDS Receivables	13995.00
SFS Canteen & Hostel	2234270.00	<b>Branches &amp; Division</b>	
		PACE the Global School	1092009.00
	<b>96043074.00</b>		<b>96043074.00</b>

As Per our Report of even date  
 For Madhavi Rajesh & Associates  
 Chartered Accountants-FRN 009854S

(Rajesh Gundoor)  
 Partner-M.No. 205209  
 Place: Ongole  
 Date :29-06-2014

For and on behalf of Srinivasa Education Society

(Madhusetty Sridhar)  
 Secretary

<b>PACE INSTITUTE OF TECHNOLOGY &amp; SCIENCES</b> <b>NEAR VALLURAMMA TEMPLE, GREAT NORTHERN TRUNK ROAD, ONGOLE</b> <b>RECEIPTS &amp; PAYMENT ACCOUNT FOR THE YEAR ENDING 31-3-2012</b>			
RECEIPTS	₹	PAYMENTS	₹
By Opening Balance:		By Expenditure	16707329.90
Cash	59350.00	Less: Returns	915360.80
Bank	1877368.00		
	1936718.00	By Payment for Expenses	4750057.158
To Fee Receipts	91256327.00	By Fixed Assets	
Less: Excess amount refund	1811188.00	- Assets	5943996.00
	89445139.00	- WIP	4834466.00
To Other Receipts		By Deposits	
- Coir Box Receipts	57299.00	- HT Connection Deposit	76190.00
- Interest on Bank A/c	304.00	By Advances for Expenditure	1418840.00
- Lab & Library User Charges	145130.00	Less: Returns	
- Miscellaneous Income	76055.00		1418840.00
- Xerox Tuition Amount	34071.00	By Other Income: Payments	15000.00
- Sale of Discards	31000.00		
To Scholarship amount Refundable	36927.00	By Closing Balance:	
		Cash	762033.00
To Branch/Divisions		Bank	1100240.44
SES	15400000.00		
PACE the Global School	775000.00		
	16175000.00		
Less: Paid	2608000.00		
	13567000.00		
	7,55,38,901.00		7,55,38,901.00

As Per our Report of above date  
For Madhav Rajesh & Associates  
Chartered Accountants-FRM 006854S

(Signature)  
Partner-M No. 201003

Place: Ongole  
Date: 24-05-2012

For and on behalf of Sri Venkateswara Education Society  
(Signature)  
Secretary

#### 6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

No such funding had received by the college till date.

### 6.5 Internal Quality Assurance System (IQAS)

#### 6.5.1 Internal Quality Assurance Cell (IQAC)

- a) Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

YES

The IQAC was established in the March, 2014, Prior to IQAC, academic committee looks after quality sustaining activities. The Members are shown below:

S. No.	Name	Designation	Status in IQAC
1	Dr.C.V.Subba Rao	Principal	Chairperson
2	Assoc.Prof K.Ramesh Babu	HOD(EEE)	Co ordinator
3	Prof.M.Appa Rao	HOD(ECE)	Member
4	Assoc.Prof. B.Mallikarjuna Rao	HOD(CSE)	Member
5	Prof Y.Sesha Rao	HOD(Mech)	Member
6	Assoc.Prof. T.Murali Krishna	HOD(civil)	Member
7	Prof.V.Venkateswara Rao	HOD(MBA)	Member
8	Assoc. Prof. K.V.Narasayya	HOD(Automobile)	Member



**The functions are as follows**

- To help the college in planning and monitoring, ensuring timely, efficient and progressive performance of academic, administrative and financial tasks.
- To increase the credibility of evaluation procedures.
- For research sharing and networking with other institutions.
- For the relevance and quality of academic & research programmes, equitable access to and affordability of academic programmes for various sections of society.
- For optimization and integration of modern methods of teaching and learning.
- To ensure the adequacy, maintenance and functioning of the support structure and services.
- To organize workshops, seminars on quality related themes and promotion of quality circles.
- For documentation of the various programmes / activities leading to quality improvement.
- For development and application of quality benchmarks/parameters for the various academic and administrative activities of the institution.
- To encourage students for organizing co-curricular activities.
- To organize the eco friendly activities in the college.
- To obtain feedback from all stake holders on curriculum, infrastructure facilities, performance of teachers and departments.
- To encourage the research activities in the college through R&D committee.
- For monitoring regular academic audits of the departments by academic audit committee.
- For promotion of the quality of education, counseling system and monitoring the progress of the students.

**b) How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?**

S.No	Decisions	Approved by Management	Actually implemented
1	Encouraging to use ICT tools	LCD projectors in classes	One batch students classroom fixed
2	Extended space for library	Provided space in new building	Double the area is provided.
3	Self learning tools	Digital library and subscriptions increased	Imbided in the timetable and extended hours.
4	Concrete roads with in the campus	Approved the same	Implemented the same

**c) Does the IQAC have external members on its committee?**

At present there are no external members in the committee, later in due course they will be inducted.

**d) How do students and alumni contribute to the effective functioning of the IQAC?**

- The Alumni meet the coordinator of the IQAC whenever they want to give suggestions related to the betterment of the college.
- The students can interact with the coordinator of the IQAC on all the working days and voice their views.

**e) How does the IQAC communicate and engage staff from different constituents of the institution?**

IQAC constitutes staff members who are formed into different committees. These staff members will be involved in formulating and executing the decisions taken at IQAC. The decisions of IQAC are widely communicated to staff members through circulars/notices.

**6.5.2 Does the institution have an integrated frame work for Quality assurance of the academic and administrative activities? If ‘yes’, give details on its operationalisation?**

Yes, as per the quality policy proposed in IQAC, the academic and administrative work is decentralized and is effectively followed as per the guidelines given in the quality policy.

**6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.**

YES, institution provides the following training programmes for effective implementation of the quality assurance procedures.

- Principal/Senior Faculty Members provide guidance to the staff for effective implementation of the Quality assurance procedures.
- For the improvement of teaching process, the staff are sent to Refresher/Orientation and other training programmes
- The IQAC arranges training for the staff in some of the Quality assurance procedures by eminent personalities.

**6.5.4 Does the institution undertake Academic Auditor other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?**

Yes, the academic audit will be done by IQAC every semester, the university every year by forming a fact finding committee will conduct academic audit. Apart from that external agency will do the quality audit with the parameters of NBA and NAAC. Based on the audit report of the academic audit, suitable guidelines are framed to improve the quality of activities, thus helpful for the betterment of the teaching-learning process.

**6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

The IQAC ensures the implementation of all the rules & regulations stipulated by the External Quality Assurance Agencies like Jawaharlal Nehru Technological University, Kakinada, AICTE, NBA, ISO and NAAC. In this way the IQAC through proper planning the implementation see that internal quality assurance mechanism is aligned with the requirements of the external quality assurance agencies.

**6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

Thoroughly framed institutional mechanism continuously reviews the teaching learning process.

All the staff members are made to prepare lesson plans and should submit a copy to the head of respective departments at least a week before the starting of semester. Staff members are mandatorily made to record the topics covered in each session. Class teachers will be appointed to monitor the attendance of the students. Class committee meeting will be conducted with respective class students, teacher, academic co-coordinator and HOD.

Quality of teaching will be monitored through various sources like, written and oral feedback from the students, student's performance in internal and external examinations, lab manuals, course files, regular meetings with class representatives.

**Evaluation procedure:**

Evaluation of a teacher will be based on the feedback relating to syllabus coverage, teaching skills, topic beyond the syllabus, subject knowledge etc. Head of the institution interacts with a few students of each class and takes the feedback. Self appraisals of faculty members are also taken at the end of a semester.

**6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?**

- By conducting meetings with staff, alumni and parents
- By interacting with students
- By means of prospectus and website

## **CRITERION – VII**

### **INNOVATIONS AND BEST PRACTICES**

#### **7.1 Environment Consciousness**

##### **7.1.1 Does the institute conduct a green audit of its campus and facilities?**

There is no formal committee for green audit in the institution but we take all the necessary steps to maintain an eco friendly environment in the college premises.

##### **7.1.2 What are the initiatives taken by the college to make the campus eco - friendly?**

1. Plantation/greening
2. Energy conservation
3. Use of renewable energy
4. Water harvesting
5. Efforts for carbon neutrality
6. Hazardous waste management and e-waste management

##### **1. Plantation/greening**

Institute has taken several measures for plantation inside the college campus and 60% of the open place is covered with trees. The NSS team planted many saplings around the campus and conducted awareness programs on plantation.

##### **2. Energy conservation**

- Creating awareness among the students and faculty on energy conservation by placing flexes and notice boards.
- Students and staff are instructed to switch off the fans and lights when ever not required.
- Providing good ventilation and sun lighting system in to the class by placing big windows.
- Using LED lamps and bulbs in hostels to save electricity.

##### **3. Use of renewable energy**

- To save electrical power we use solar panels for steam cooking in the hostels.

- Solar panels are used inside the campus for producing steam for cooking and for hot water in hostels.

#### **4. Water Harvesting**

- To increase the ground water level, the rain water is led into the pond located in the campus and to improve water level.

#### **5. Efforts for carbon neutrality**

- Other vehicles into the campus are restricted to reduce the carbon content.
- Conducting awareness programs on waste management.
- Staff and students park their vehicles in the allotted parking place at the college gate.

#### **6. Hazardous waste management and e-waste management**

- The computer accessories are disposed through outside agencies.
- Awareness programmes are initiated on waste management.
- Maintaining garbage bins at the prominent places for wastage.

### **7.2 Innovations**

#### **7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.**

##### **In Academic**

- There is a constructive student feedback system on lecturers which intern helps to enhance the creative teaching skills of the faculty.
- E-Class Teaching- Besides with the conventional teaching methods, faculty use audio and Visual aids and other innovative teaching methods to enhance the Knowledge of the students.
- The institute maintains all procedures according to ISO 9001:2008 certification.
- Cash prizes are given to the students from each class who perform best in their academics.
- Students are encouraged to participate in PPTs, workshops and seminars.
- Certification courses are offered in various technical subjects like Big Data, Cloud Computing, CAD CAM and MATLAB etc.
- With a noble view to hone the communication skills of the students, English literary club is initiated.

### **In Administration**

- Student counselling system is maintained to know their academic performance and regularity. It also helps the students to clarify their doubts and overcome their difficulties personally.
- The management encourages the faculty by giving best teacher awards in order to create a healthy competition among the faculty.
- Central library facilitates OPAC, DELL net, JGATE, NPTEL and IE for on-line journals.
- Anti ragging committee is maintained to avoid ragging in the campus.
- Suggestion boxes are provided to the students to come up with their problems and suggestions.
- Alumni association is maintained to support and guide the existing students in all the aspects related to Industry.

### **In Training**

- Dedicated and committed faculty are training the students in technical, Aptitude, Soft skills and Communication skills.
- Rigorous Campus Recruitment Training Programmes are initiated from the first year onwards for all students by external agencies.
- Students are encouraged to carry out their internships and mini projects in various reputed companies.
- Guidance is given to the students on abroad studies.

## **7.3 Best Practices**

### **7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the College.**

The college has implemented a few best practices in the recent past years. Details of two best practices are mentioned below, followed by brief description of the other best practices.

#### **Best Practice-1**

##### **Title of the Practice: Effective student Monitoring system**

##### **Goal**

- To enable the administration not only to measure the curricular processing from a generic perspective but also to possess a specific understanding of the entire academic processing even at a micro level.
- To build up a crystal clear and a reasonably accountable system.

- To discover the student regularity not only at the level of individual courses but also on a daily basis.
- To enable the parents to have an ‘analyst’ kind of system so that they would understand the academic interest being evinced by their wards.

### **The Context**

Student monitoring has been a perpetual phenomenon with any of the academic institution. In view of this, the institution has undertaken an intense analysis of the issue. It is understood that when a system that incorporates both academic processing and student attendance monitoring at one go only would stand as a really comprehensive one.

### **The Practice**

- Each section is assigned one class teacher to monitor attendance, students’ performance, syllabus coverage and counselling. Class Teacher File is maintained by every class teacher which includes the documentation of academic performance of the students.
- Each faculty member is allotted 20 students for counselling. The faculty member is given a file consisting of counselling sheets of each student. Students attend counselling for 2 times every semester in which they discuss their curricular, co-curricular and career oriented issues with the concerned faculty member. Student attendance is recorded in every class.

### **A Comprehensive check of Regularity and Punctuality**

It presents the assiduity of a student in the sense that the process registers the extent to which the learner has been evincing interest in all the subjects. The procedure even though seems to be a trivial item, when executed, ensures conducive learning environment. The Time frame Presented above relates not only to the regularity but also to the punctuality of the student.

### **Evidence of Success**

- As a result of this practice the institute maintained good discipline on campus.
- Due to this the students could enhanced subject knowledge and performed well in the exams.

### **Problems Encountered and resources required**

Sometimes the students are not ready to express their doubts and problems with their counsellor. It requires much time for the faculty members to interact with every student. Faculty members must have commitment to mould the students in a right way.

### **Best Practice-2**

#### **Title of the Practice: Multi-mode teaching in all class rooms**

#### **Goal**

To enable the students to acquire world class knowledge and real time exposure with an outcome based learning.

#### **The Context**

The challenge to the education fraternity is to provide quality education to all. To face the competitive world, the students have to be endowed with multi facet Intelligence. Therefore, quality teaching and learning should be provided to assist all learners to acquire the required competencies (knowledge, skills and attitudes) at the highest possible level. The quality of education is to a large extent determined by the quality of information transfer and the quality and quantity of support that the learners receive to master the outcomes of their studies.

#### **The Practice**

- Faculty members use LCD Projectors and Internet facilities in the class rooms for innovative e-teaching.
- In this methodology several multi-mode modules are used like E-teaching ,seminars by Students, organizing technical tours and conducting training and placement classes for the students.
- Each department has department association activities to improve the students' leadership, public skills, personality development by organizing various co-curricular activities.
- Soft skills are improved with the syllabus imbibed in the curriculum/syllabus.
- T&P Cell conducts various coaching classes for the competitive exams like GATE, GRE etc...



### **Evidence of Success**

- Most of the students bagged prizes and won awards in technical symposia with the pull up of confidence levels.
- Students were able to get employability skills which are very essential in their career.
- Students developed technical skills along with soft skills which helped in the campus recruitments.
- Students participated in various competitions-National and International.

### **Problems Encountered and resources required**

All the students did not have active participation and equal receptive skills. It requires much financial support to provide necessary equipment and creative ability both from faculty and students.

### **Contact Details**

Name of the Principal	: Dr.C.V. Subba Rao
Name of the Institution	: PACE Institute of Technology & Sciences
City	: Ongole
Pin Code	: 523272
Work Phone	: 581455555
Website	: <a href="http://www.pace.ac.in">www.pace.ac.in</a>
Mobile	: 9703020577
E-mail	: <a href="mailto:principal@pace.ac.in">principal@pace.ac.in</a>

PART – D

EVALUATIVE REPORT  
OF THE DEPARTMENTS



## Evaluative Report

### Department of Civil Engineering

1. Name of the department : Civil Engineering
2. Year of Establishment : 2009
3. Name of Programmes/Courses offered

UG-B.Tech in Civil Engineering  
PG- M.Tech in Structural Engineering

4. Name of Interdisciplinary courses and the departments/units involved: Yes

S. No	Year/Semester	Name of the Course	Department Handled
1	I B.Tech/ I Semester	Computer Programming	Computer Science Engineering
2	I B.Tech/ II Semester	Engineering Drawing	Mechanical Engineering
3	II B.Tech/ I Semester	Basic Electrical & Electronics Engineering	Electrical and Electronics Engineering
4	I B.Tech/ II Semester	Managerial Economics & Financial Analysis	Master Of Business Administration
5	III B.Tech/ I Semester	IPR & Patents	Master Of Business Administration

5. Annual/semester/choice based credit system (program wise):

UG – Semester Based Credit System and Electives in Higher Semesters  
PG- Semester Based System and Electives for all Semesters

6. Participation of the department in the courses offered by other departments:  
Nil
7. Courses in collaboration with other universities, industries, foreign institutions  
Etc., : Nil
8. Details of courses/programs discontinued (if any) with reasons: Nil
9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	02	02
Associate Professors	03	02
Asst. Professors	14	16

10. Faculty profile with name, qualification, designation, specialization, D.Sc./D.Litt. /Ph.D./M.Phil. etc.,)

S.No	Name of Faculty	Qualification	Designation	Specialization	No. of Years of Experience
1	Dr Kaizar Hossain	Ph. D	Professor	Waste Water Engineering	6-Years
2	Mr.T Murali Krishna	M.Tech	Professor & HOD	Geotechnical Engineering	14+7-Years
3	Mr. D Srinivasa Rao	M.Tech	Associate Professor	Environmental Engineering	10-Years
4	Mr.J Suneel Kumar	M.Tech	Associate Professor	Structural Engineering	10 + 2-Years
5	Mr.G Ganesh Naidu	M.Tech	Assistant Professor	Structural Engineering	4-Years
6	Mr. K. Sudheer	M.Tech	Assistant Professor	Structural Engineering	2-Years
7	Mr.M.J. Kishore	M.Tech	Assistant Professor	Structural Engineering	2-Years
8	Mr.N.Sri Siva Prasad	M.Tech	Assistant Professor	Structural Engineering	1-Years
9	Ms. G.V.Nagavalli	B.Tech	Assistant Professor	Structural Engineering	2-Years
10	Ms. L.Sravani	B.Tech	Assistant Professor	Civil Engineering	2-Year
11	Mr. Y.Ashok	B.Tech	Assistant Professor	Civil Engineering	1-Years
12	Mr. S.Partha	B.Tech	Assistant Professor	Civil Engineering	1-Year
13	Ms B. Sandhya Rani	B.Tech	Assistant Professor	Civil Engineering	1-Year
14	Ms T. Syamala	B.Tech	Assistant Professor	Civil Engineering	1-Year
15	Ms U. Pallavi	B.Tech	Assistant Professor	Civil Engineering	1-Year
16	Mr. G. Sumanth	B.Tech	Assistant Professor	Civil Engineering	1-Year
17	Mr. N.Yadagiri	B.Tech	Assistant Professor	Civil Engineering	1-Year
18	Mr. P. Sameer Khan	B.Tech	Assistant Professor	Civil Engineering	1-Year
19	Mr. K. Koti Reddy	B.Tech	Assistant Professor	Civil Engineering	1-Year
20	Ms P. Anjali	B.Tech	Assistant Professor	Civil Engineering	1-Year

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) By temporary faculty: Nil

13. Student-Teacher Ratio (program wise):

UG : 15:1

PG : 12:1

14. Number of academic support staff (technical) and administrative staff sanctioned and filled:

	<b>Sanctioned</b>	<b>Filled</b>
Academic support staff	<b>03</b>	<b>03</b>
Administrative staff	<b>02</b>	<b>02</b>

15 Qualifications of teaching faculty with DSc /D.Litt/Ph.D/ MPhil/PG:

No. of Faculty with Ph. D.	No. of Faculty with PG	No. of Faculty with UG
<b>01</b>	<b>07</b>	<b>12</b>

16. Number of faculty with on going projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc., and total grants received: Nil

18. Research Centre/facility recognized by the University: Nil

19. Publications:

➤ Publication of faculty

<b>S. No</b>	<b>Faculty Name</b>	<b>Publication title</b>	<b>Journal / Conference Name</b>	<b>Other details</b>
1	Dr. Kaizar Hossain	Environmental Change and It's Affect	European Journal of Sustainable Development	International
2	Dr. Kaizar Hossain	Physico-chemical characteristics of freshwater of Ramanna Tank (Cheruvu),Nellore district, India	Advances in Applied Science Research	International
3	Dr. Kaizar Hossain	Nirmali Seed as a Natural Biosorbent; Evaluation of its Potential for Iron (II) Removal from Steel Plant Effluents and Sewage	European Journal of Sustainable Development (Rome, Italy)	International

		Disinfecting Capacity		
4	Dr. Kaizar Hossain	Aspergillus flavus: A potential Bioremediator for oil contaminated soils	European Journal of Sustainable Development (Rome, Italy)	International
5	Dr. Kaizar Hossain	Appliance of Electron Beam Technology for Disinfection of Sewage Water to Minimize Public Health Risks.	European Journal of Sustainable Development (Rome, Italy)	International
6	Dr. Kaizar Hossain	Sewage Microflora is Potential Indicator of Effective Sewage Treatment	The Ecoscan	International
7	Dr. Kaizar Hossain	Potential health problems in workers of Parlors due to exposure in handling and using LPG, electric and biomass fuel based stoves.	Pharm. Biol. Sci	International
8	Dr. Kaizar Hossain	Optimization studies on pollution abatement: biodegradation of nitroso dye effluents by two fungi (phanerochaete chrysosporium & trametes hirsuta) under static conditions	Int J Pharm Pharm Sci	International
9	Dr. Kaizar Hossain	Assessment of drinking water quality in some selected primary schools in Visakhapatnam.	Der Chemia, (USA), Pelagia Research Library	International
10	Dr. Kaizar Hossain	Incidence of Dermatophytes School Soils of Visakhapatnam: A Case Study.	Asian Journal of Plant Science & Research	International
11	Dr. Kaizar Hossain	A comparative study of physico-chemical and biological analysis of sewage water at some selected sewage discharge points along the coast of Visakhapatnam.	International Journal of Science	International
12	Dr. Kaizar Hossain	Prevalence of Keratinophilic fungi from Sewage Sludge at Some Wastewater out lets along the coast of Visakhapatnam: A case study.	Advances in Applied Science Research	International
13	Dr. Kaizar	The Occurrence of	Euro. J. Exp. Bio	International

	Hossain	Keratiophilic Fungi and Related Dermatophytes from sewage water discharge points.		
14	Dr. Kaizar Hossain	Vulnerable endangered, threatened and rare species categories in the submergence area of Polavaram area.	European Journal of Experimental Biology	International
15	Dr. Kaizar Hossain	Disinfection and Reduction of Organic load of Sewage Water by Electron Beam Radiation.	Applied water Science	International
16	Dr. Kaizar Hossain	Application of electron beam technology to improve sewage water quality: an advance technique	African Journal of Environmental Science and Technology	International
17	Dr. Kaizar Hossain	Advance oxidation of sewage water, reclamation and hygienization by radiation technology.	Hydrology current Research	International
18	Dr. Kaizar Hossain	Evaluation of water quality in the vicinity of some saltpans, Visakhapatnam district, Andhra Pradesh,	The Bioscan	International
19	Dr. Kaizar Hossain	Thiobacillus Ferrooxidans And Aspergillus Niger – Fungi Isolated From Soil In The Vicinity Of Steel Plant.	Journal of Industrial Pollution Control	National
20	Dr. Kaizar Hossain	Distribution of arbuscular mycorrhizae (am) in some selected soil of Visakhapatnam: a case study.	Asian journal of Microbiology Biotechnology & Environmental Science	International
21	Dr. Kaizar Hossain	Assessment of Water Quality along the Coast of Andhra Pradesh.	Nature Environment and Pollution Technology	National
22	Dr. Kaizar Hossain	Chlorpyrifos Pesticide Toxicity On Liver Glycogen, Lipids, Proteins Alkaline Phosphate And Erythrocyte Sedimentation Rate In Fresh Water Fish Channa Punctatus	ANU Journal of Earth Sciences	National
23	Dr. Kaizar Hossain	Role of Traditional wood Preservative In Preventing Biodeterioration of Fishing boats- a case study.	Journal of Ecotech	National



24	Dr. Kaizar Hossain	Dust Pollution – A Case Study in Old Town Area, Visakhapatnam.	Research Journal of Chemistry and Environment	International
25	Dr. Kaizar Hossain	Dermatophytes and other fungi associated with hair-scalp of Primary school children in Visakhapatnam, India: A Case Study And Literature Review.	The Internet Journal of Microbiology	International

### CONFERENCES

26	Dr. Kaizar Hossain	Microbial fuel cell: an approach of sewage treatment with power generation	100 <sup>th</sup> Indian Science Congress Organized by Calcutta University, Kolkata and Indian Science Congress Association, Kolkata
27	Dr. Kaizar Hossain	Appliance of electron beam technology for disinfection of sewage water to minimize public health risks.	100 <sup>th</sup> Indian Science Congress Organized by Calcutta University, Kolkata and Indian Science Congress Association, Kolkata
28	Dr. Kaizar Hossain	Generation of Electricity Using Biocathode Microbial Fuel cell from Sewage	National Conference on Chemistry for Sustainable Development. Organized by Department of Chemistry, GITAM Institute of Science, GITAM University, Visakhapatnam
30	Dr. Kaizar Hossain	A comparative study of physico-chemical and biological analysis of sewage water at some selected sewage discharge points along the coast of Visakhapatnam.	In national Seminar Andhra Pradesh Science Congress organized Andhra Pradesh Akademi of Science & GITAM University, Visakhapatnam.
31	Dr. Kaizar Hossain	Sewage Water by Radiation Technology.	In International Conferences on Effects of Emissions & Effluents on Environment, Organized by Engineering Chemistry, Andhra University, Visakhapatnam.
32	Dr. Kaizar Hossain	Reduction of BOD & COD from Sewage Water by Radiation Technology.	98 <sup>th</sup> Indian Science Congress Organized by SRM University, Chennai and Indian Science Congress Association, Kolkata
33	Dr. Kaizar Hossain	Distribution of Arbuscular Mycorrhizae (AMs) In Some Selected Soils Of Visakhapatnam: A Case Study	98 <sup>th</sup> Indian Science Congress Organized by SRM University, Chennai and Indian Science Congress Association, Kolkata
34	Dr. Kaizar Hossain	Presented a poster on “disinfection of sewage by electron beam radiation”.	NAARI International conference (NIC) Organized by National Association for application of radiation & radioisotopes in Industry, Mumbai

35	Dr. Kaizar Hossain	Evaluation of Groundwater Quality in the vicinity of some salt pans in around visakhapatnam – a case study	International Conference – Energy, Environment and Development: from Stockholm to Copenhagen and beyond (ICEED – 2010) Organized by Dept. of Environmental Sciences, Sambalpur University, Sambalpur, Orissa
36	Dr. Kaizar Hossain	Chlorpyrifos Pesticide Toxicity On Liver Glycogen, Lipids, Proteins Alkaline Phosphate And Erythrocyte Sedimentation Rate In Fresh Water Fish <i>Channa Punctatus</i>	National Seminar on “Aquatic Toxicology and Biodiversity” organized by Dept. of Zoology, ANU University. Guntur. AP.
37	Dr. Kaizar Hossain	Prevalence Of Keratinophilic Fungi From Both Sewage Contaminated Sand Soils And Sand Pits Along The Coast Of Visakhapatnam	National Seminar on “Recent Advances in Molecular Microbiology and Microbial technology” organized by Dept. of Microbiology, Kakatiya University. Warangal. AP.
39	Dr. Kaizar Hossain	“Status of Hygiene in School Children With Respect to Incidence of Dermatophytes in Governmental School Soils of Visakhapatnam”.	International Conference on Sustainable Environmental Sanitation and Water Resources During New Millennium, jointly organized by Dept. of Environmental Studies, GITAM University, AP, INDIA, Bharathi Theertha, Naperville, IL, USA and India Development Coalition of America, Oakbrook, IL, USA.
40	Dr. Kaizar Hossain	“A Case Study of Drinking Water Quality Assessment in both Some selected Pilgrim center and Tourist Spots in Visakhapatnam	International Conference on Sustainable Environmental Sanitation and Water Resources During New Millennium, jointly organized by Dept. of Environmental Studies, GITAM University, AP, INDIA, Bharathi Theertha, Naperville, IL, USA and India Development Coalition of America, Oakbrook, IL, USA.

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.,)
  - Books with ISBN/ISSN numbers with details of publishers: 1
  - Citation Index: 20
  - SNIP
  - SJR
  - Impact factor: 4.05

20. Areas of consultancy and income generated: Concrete, Soil and Water Testing and income generated: Rs. 42,600 /-

S. No	Name of the Department	Nature of the consultancy work	No. of Works	Amount Received
<b>2014-2015</b>				
1	Civil Engineering	Cement testing for 40m GBT foundation at Anakapalli	1	250
2	Civil Engineering	Cement testing for 40m GBT foundation at Chintala palem	1	250
3	Civil Engineering	Cement testing for 40m GBT foundation at Etcherla	1	250
4	Civil Engineering	Cement testing for 40m GBT foundation at Nandigama	1	250
5	Civil Engineering	Concrete cube testing for Guptha construction	1	500
<b>2013-2014</b>				
1	Civil Engineering	Testing of Cement , aggregate and sand for improvement to pamur old tank	1	8000
2	Civil Engineering	Soil testing for improvement to sanhavaram tank	1	3000
3	Civil Engineering	Testing of aggregate sand and cement for improvement to Dubagunta tank	1	2000
4	Civil Engineering	Testing of Cement aggregate and sand for improve-ment to Nagula tank bund, Donakonda M)	1	2000
5	Civil Engineering	Testing of concrete cubes for construction of cell tower at Malikapuram (V)	1	500
6	Civil Engineering	Testing of concrete cubes for construction of cell tower at Anakapalli	1	500
7	Civil Engineering	Testing of concrete cubes for construction of cell tower at Chintaladinne palem	1	500
8	Civil Engineering	40m GBT foundation at Mallikapuram	1	250
<b>2012-2013</b>				
1	Civil Engineering	Minor irrigation Restaration of west kattakinda palli tank in pamur (M.D) prakasam DT	1	7200
2	Civil	Testing of concrete cubes for	1	600

	Engineering	swathi concrete bricks		
3	Civil Engineering	Soil testing for Model School at chundi (V) Kandukur (Division )	1	2250
4	Civil Engineering	Soil testing for Model School at Mekapadu and chundi (V) Kandukur (Division )	1	2250
5	Civil Engineering	Testing of Concrete tubes for Anjali Granites	1	600
6	Civil Engineering	Testing of Fly ash bricks	1	600
7	Civil Engineering	Testing of Concrete Tubes for Bellium Exports limited	1	5400
8	Civil Engineering	Testing of Concrete Tubes for Bellium Exports limited	1	1000
9	Civil Engineering	Testing of Cement concrete cubes for NCC and power grid corporation	1	1350
10	Civil Engineering	Testing of Fly ash bricks	1	1500
11	Civil Engineering	Testing of Fly ash bricks	1	1600
<b>TOTAL</b>			<b>42,000</b>	

#### 21. Faculty as members in

- a) National committees b) International Committees
- b) Editorial Boards: 01

#### **Dr. Kaizar Hossain:**

1. Editor in-Chief, International Journal of Sustainable Energy and Environmental Research
2. Advisory Board Member in World Journal of Pharmacy and pharmaceutical Sciences (Bulgaria).
3. Editorial Board Member for
  - a) Journal of Sustainable Engineering (USA) American Institute of Sustainable Science & Technology (AISST)
  - b) Journal of Environmental Engineering and Technology (JEET) [USA]
  - c) European Journal of Sustainable Development (Italy)
  - d) Journal of Basic & Applied Sciences (Canada)
  - e) International Journal of Pharmacy and Pharmaceutical Sciences (India)
  - f) Medical and Biological Sciences of World Academy of Science, Engineering and Technology (USA).
  - g) Comprehensive Journal of Environmental and Earth Science (Nigeria)
  - h) International Journals of Engineering & Sciences (IJENS)
  - i) International Journal of Advanced Technology and Engineering Research (CSIR, India)
  - j) Journal of Pharmaceutical and Biological Sciences (Malaysia).

- k) International Journal of Environmental Science, Management and Engineering Research (IJESMER) (Kenya)
- l) Current Research in Engineering Science and Technology (CREST) Journals (India)
- m) British Journal of Pharmaceutical Research (University of Houston, USA).
- n) Research Open Journal of Water (Science & Technology Publication)
- o) World Research Journal of Zoology (Science & Technology Publication)

#### **Membership of professional bodies:**

- 1. National Panel of Expert Members of Engineers without Borders (EWB) – India.
- 2. Member of International Society for Environmental Information Sciences, Canada
- 3. Member of ISI web: A Global Community where researchers connected, published by Thomson Reuters. Researchers ID- H-2461-2012
- 4. Member of International Water Association (IWA), Water Wiki: - information resource and hub for the global water community.
- 5. Life member of National Association for Application of Radio-isotopes and Radiation in Industry (NAARRI). Mumbai. LM-1188

#### **22. Student projects:**

- a) Percentage of students who have done in-house projects including inter departmental/ programme: 100
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

#### **23. Awards / Recognitions received by faculty and Students**

- a). Awards / Recognitions received by faculty:

<b>S. No.</b>	<b>Name of the Faculty</b>	<b>Event name, Institution, location</b>	<b>Prize</b>
1	Dr. Kaizar Hossain	International Level by OMIC Groups of Publications, USA	Best Scientific Credits

- b). Awards / Recognitions received by students:

<b>S. No.</b>	<b>Name of the Student</b>	<b>Event Name</b>	<b>Name of Institute</b>	<b>Year</b>	<b>Prize</b>
1	C. Dinesh Chandra	National Level Student Techno-Management fest – Poster Presentation	K L University, Vijayawada	2015	1 <sup>st</sup> Prize
2	C. Dinesh Chandra	National Level Student Techno-Management fest – Bridge Preparation	K L University, Vijayawada	2015	3 <sup>rd</sup> Prize
3	C. Dinesh Chandra	National Level Student Technical Meet – Poster Presentation	KKR & KSR Institute of Technology and Sciences, Guntur	2015	2 <sup>nd</sup> Prize

4	C. Dinesh Chandra	AFOSEC – 15 - Project Expo	V R Siddhartha Engineering College, Vijayawada	2015	2 <sup>nd</sup> Prize
5	C. Dinesh Chandra	AFOSEC – 15 - Collage making	V R Siddhartha Engineering College, Vijayawada	2015	1 <sup>st</sup> Prize
6	C. Dinesh Chandra	CHEC SPOORTHY 2K15 – Paper Presentation	Chebrolu Engineering College, Guntur	2015	1 <sup>st</sup> Prize
7	C. Dinesh Chandra	National Level Student Technical Meet- Technical Quiz	KKR & KSR Institute of Technology and Sciences, Guntur	2014	2 <sup>nd</sup> Prize
8	C. Dinesh Chandra	Spectra 2k14 – Poster Presentation	Prakasam Engineering college, Kandukur	2014	1 <sup>st</sup> Prize
9	C. Dinesh Chandra	Technical Quiz	Kallam Haranadhareddy Institute of Technology, Guntur	2014	1 <sup>st</sup> Prize
10	C. Dinesh Chandra	Poster Presentation	Kallam Haranadhareddy Institute of Technology, Guntur	2014	2 <sup>nd</sup> Prize
11	C. Dinesh Chandra	Project making on Engineer's Day	PACE Institute of Technology & Sciences, Ongole	2013	1 <sup>st</sup> Prize
12	S. Jagadeesh Kumar	AFOSEC – 15 - Project Expo	V R Siddhartha Engineering College, Vijayawada	2015	2 <sup>nd</sup> Prize
13	S. Jagadeesh Kumar	CHEC SPOORTHY 2K15 – Paper Presentation	Chebrolu Engineering College, Guntur	2015	1 <sup>st</sup> Prize
14	S. Jagadeesh Kumar	National Level Student Technical Meet – Technical Quiz	KKR & KSR Institute of Technology and Sciences, Guntur.	2014	2 <sup>nd</sup> Prize
15	S. Jagadeesh Kumar	Spectra 2k14 – Poster Presentation	Prakasam Engineering college, Kandukur	2014	1 <sup>st</sup> Prize
16	S. Jagadeesh Kumar	Poster Presentation	Kallam Haranadhareddy Institute of Technology, Guntur	2014	2 <sup>nd</sup> Prize
17	S. Jagadeesh Kumar	Technical Quiz	Kallam Haranadhareddy Institute of Technology, Guntur	2014	1 <sup>st</sup> Prize

## 24. List of eminent academicians and scientists / visitors to the department:

S. No.	Name of Visitor	Organization	Designation	Date	Purpose of the visit
1	Mr. N. Srinivasulu	Ultratech Cement Ltd, Tirupathi	Technical Supervisor	18-02-2014	Guest Lecture – Advancements in Concrete Technology
2	Mr.D.Tirupathi	DA Polytechnic College, Ongole	HOD	26-June-2013	Guest Lecture - Recent development in Concrete Technology
3	Dr.M.Rama Rao	RVR &JC College of Engineering, Guntur	Professor	14-Feb-2012	Guest Lecture -Use of Remote sensing in Civil Engineering
4	Mr. J.Kishore Babu	Chalapathi College of Engineering, Guntur	Assistant Professor	20-Mar-2012	Guest Lecture - Geotextiles importance in soils

## 25. Seminars/Conferences/Workshops organized&amp; the source of funding

## a) National: 01

S.No	Name of Seminar / Conference / Workshop	Date	Source of Funding
1	Parasakthi Workshop	13 <sup>th</sup> Feb 2012	Institute

## b) International: 01

S.No	Name of Seminar / Conference / Workshop	Date	Source of Funding
1	International Conference on Recent Trends and Innovations in Engineering and Technology	01 <sup>st</sup> May 2015	IRD & Institute

## 26. Student profile program /course wise:

Year	Name of the Course / programme	Applications received	Selected( Number admitted including Lateral entry)	Enrolled		Pass percentage
				*M	*F	
2009-13	B.Tech Civil Engineering	*	65	51	14	51.3
2010-14	B.Tech Civil Engineering	*	64	45	19	47.3
2011-15	B.Tech Civil Engineering	*	71	58	13	61.6

\*M=Male \*F=Female

## 27. Diversity of Students:

Name of the Course	Academic Year	%of students from the same state	%of students from other States	%of students from abroad
B.Tech	2009-10	100	Nil	Nil
B.Tech	2010-11	100	Nil	Nil
B.Tech	2011-12	100	Nil	Nil
B.Tech	2012-13	100	Nil	Nil
B.Tech	2013-14	100	Nil	Nil
B.Tech	2014-15	100	2.22	Nil
M.Tech	2014-15	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

## 29. Student progression:

Students progression	Against % enrolled
UG to PG	12% (2013)
UG to PG	20% (2014)
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D .to Post-Doctoral	Nil
Employed	10%
• Campus selection	
• Other than campus recruitment	20%
Entrepreneurship/Self-employment	Nil

## 30. Details of Infrastructural facilities

- Library: Yes,
- Internet facilities for Staff & Students: Yes,  
Band Width : 24 Mbps, BSNL
- Class rooms with ICT: 2 rooms



d) Laboratories: 7

S. No	Name of Laboratory	Area	Total Investment
1	Strength of materials lab	101.55 Sq.m	Rs. 9,15,000-00
2	Geotechnical engineering lab	97.36 Sq.m	Rs. 3,10,000-00
3	Surveying lab	37.92 Sq.m	Rs. 5,85,000-00
4	Concrete and Highway materials lab	102.42 Sq.m	Rs. 5,80,000-00
5	Environmental Engineering Lab	68.31 Sq.m	Rs. 2,34,000-00
6	Geology Lab	62.17 Sq.m	Rs. 1,12,000-00
7	STAAD Lab	104.42 Sq.m	Rs. 3,20,000-00

**31. Number of students receiving financial assistance from college, university, Government and other agencies:**

S.No	Academic Year	Type of Scholarship	No. of Students availed	Total Amount
1	2009-10	Government fees reimbursement (UG)	38	Rs. 13,30,000-00
2	2010-11	Government fees reimbursement (UG)	41	Rs. 14,35,000-00
3	2011-12	Government fees reimbursement (UG)	38	Rs. 13,30,000-00
4	2012-13	Government fees reimbursement (UG)	39	Rs. 13,65,000-00
5	2013-14	Government fees reimbursement (UG)	71	Rs. 24,85,000-00
6	2014-15	Government fees reimbursement (UG)	125	Rs. 49,37,400-00

**32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:**

S. No.	Name of Expert	Organization	Designation	Date
1	Mr. N. Srinivasulu	Ultratech Cement Ltd, Tirupathi	Technical Supervisor	18-02-15
2	Mr. D.Tirupathi	DA Polytechnic College, Ongole	HOD	26-June-2013
3	Dr.M.Rama Rao	RVR &JC College of Engineering, Guntur	Professor	14-Feb-2012
4	Mr. J.Kishore Babu	Chalapathi College of Engineering, Guntur	Assistant Professor	20-Mar-2012

## 33. Teaching methods adopted to improve student learning:

1. Chalk & Talk
2. PPT with Projectors
3. NPTEL Lecture sessions
4. Guest Lectures
5. Group discussion
6. Student seminars

Encouraging the students to give seminars and motivate them to participate in technical quiz. Involving the students to do mini projects organizing communication skills development classes

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

S. No	Event Name	Organization	Students participated	Duration
1	Blood donation camp	Belief blood bank and RIMS	31	2014-2015
2	Free medical camp	Vasae palli padu	32	2014-2015
3	Clean And Green Programme	Vasae palli padu	20	2012-2013
4	Plantation	Vasae palli padu	25	2012-2013
5	Literacy Awareness	Vasae palli padu	26	2012-2013
6	School Drop-Outs And Sports For Children	Vasae palli padu	35	2012-2013
7	Free Medical Camp	Vasae palli padu	45	2012-2013
8	Literacy Awareness	Vasae palli padu	58	2012-2013

## 35. SWOC an analysis of the department and Future plans:

**Strengths:**

- Regular meeting of department academic advisory committee.
- Regular interaction of staff and students in the department.
- Availability of senior faculty in the department to guide the students.
- Mentoring system in the department with all faculty members to improve the academics of students.

**Weaknesses:**

- Lack of Industry and Civil Engineering branch interaction.
- Less interest among the students towards internship programmes.

**Opportunities:**

- International Conferences and National level workshops can be conducted in the department with the help of the Institute of Engineers-Hyderabad chapter.
- Faculty Development Programmes can be conducted in the department with the help of ISTE.

**Challenges:**

- To bridge the gap between the industry and the civil engineering branch.
- To improve the teaching skills and practical knowledge of the faculty members.
- To motivate the students towards internship programmes.

## Evaluative Report

### Department of Electrical & Electronics Engineering

1. Name of the Department : Electrical & Electronics Engineering
2. Year of Establishment : 2008
3. Names of Programs/Courses offered:
  - UG : B.Tech. in Electrical and Electronics Engineering
  - PG : M.Tech. in Power Electronics
4. Names of Interdisciplinary courses and the departments/units involved:

S. No.	Year/Sem	Name of the Course	Departments Handled
1	II-I	Fluid Mechanics & Hydraulic Machinery	Mechanical Engineering
2	II-I	Managerial Economic Financial Analysis	Master of Business Administration
3	II-I	Electronic Devices & Circuits	Electronics & Communication Engineering
4	II-II	Switching Theory and Logic Design	Electronics & Communication Engineering
5	II-II	Pulse & Digital Circuits	Electronics & Communication Engineering
6	III-I	Linear & Digital IC Applications	Electronics & Communication Engineering
7	III-II	Microprocessors & Microcontrollers	Electronics & Communication Engineering
8	III-II	Management Science	Master of Business Administration
9	IV-I	Computer Organization	Computer Science & Engineering
10	IV-II	Object Oriented Programming Stricture	Computer Science & Engineering

5. Annual/ semester/choice based credit system (program wise):
  - UG: Semester based credit system and Electives in Higher semesters
  - PG : Semester based system and Electives for all semesters
6. Participation of the department in the courses offered by other departments: Yes

S. No.	Year /Sem	Name of the Course	Courses offered to Departments
1	I-II	Network Analysis	Electronics & Communication Engineering
2	II-I	Electrical Technology	Electronics & Communication Engineering
3	II-I	Basic Electrical & Electronics	Civil Engineering

		Engineering	
4	II-I	Basic Electrical & Electronics Engineering	Mechanical Engineering
5	II-I	Basic Electrical & Electronics Engineering	Automobile Engineering
6	III-I	Control System	Electronics & Communication Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/programs discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	01	00
Associate Professors	03	03
Assistant Professors	11	12

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

S. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	K Ramesh Babu	M.Tech.	Associate Professor	High Voltage Engineering	11
2	D Prasad	M.Tech.	Associate Professor	Power Electronics	06
3	K Venkateswarlu	M.Tech.	Assistant Professor	Power systems	07
4	K V Narayana	M.Tech.	Assistant Professor	High Voltage Engineering	05
5	M Sunil Kumar	M.Tech.	Assistant Professor	Power Electronics	07
6	VV Raghavulu	M.Tech.	Assistant Professor	Power systems	05
7	S Kavitha	M.Tech.	Assistant Professor	Power Electronics	05
8	T Lakshmi Durga	M.Tech.	Assistant Professor	Power Systems	01
9	P Ranadheer	M.Tech.	Assistant Professor	Electrical Power Systems	0.5

10	A.Sravani	M.Tech.	Assistant Professor	Power Electronics	02
11	M.Venu	M.Tech.	Assistant Professor	Power Electronics	Fresher
12	B.Vijaya Chandra	M.Tech.	Assistant Professor	Power Electronics	5.5
13	K.Anusha	M.Tech.	Assistant Professor	Power Electronics & Power systems	3
14	J Swetha	M.Tech.	Assistant Professor	Power Systems	Fresher
15	M.V.Sai Kiran	B.Tech.	Assistant Professor	E.E.E.	01

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty: Nil

13. Student –Teacher Ratio (program wise):

UG: 15:1

PG : 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Academic Support Staff	03	03
Administrative Staff	05	05

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ Mphil / PG.:

PG - 14 No.

UG - 01 No.

16. Number of faculty with ongoing projects from funding agencies and grants received:

- a) National : Nil  
b) International : Nil

17. Departmental projects funded by DST – FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

## 19. Publications:

## a) Publications of faculty

S. No.	Name of The Faculty	Publication Title	Publication Details
1	K.Venkateswarlu	Modelling and simulation of micro grid system based on renewable power generating units by using multi level inverter	IJERT
2	M.Sunel Kumar	Investigation of reduction of switching losses in a matrix converter using space vector modulation	IJSER
3	V.Veeraraghavulu	A Novel on DC-voltage controller for asymmetric twin conversion fuzzy based high power STATCOM international journal power system operation & management	IJSOM
4	S.Kavitha	Motor current signature analysis for rotor cage fault detection in induction motor	IJRET
5	K. Ramesh Babu	Speed Control of A 6/4 Switched Reluctance Motor Drive	IJEER
6	K. Ramesh Babu	Speed Control of a 8/6 Switched Reluctance Motor Drive	IJEET
8	Muzeeb Khan Patan	A modular converter topology fed BLDC motor Drive for EV Applications	IJETR
9	T.Lakshmi Durga	Enhancement of power quality by Shunt Active Power Filters by using intelligence technique	IJSER
10	P.Ranadheer	Modelling and simulation of micro grid system based on renewable power generation units by using five level cascaded H-Bridge converter	IJATES
11	K.Anusha	Design and application of multi level multipulse converter	NEITE 2013
12	K.Anusha	A Distinct multipulse multilevel converter for especial applications	IJSER
13	B.Vijaya Chandra	Direct Torque control of Induction motor using sector advanced technique	IJSER
14	B.Vijaya Chandra	Switching losses calculation in H-Bridge multi level Inverter	GNEESIC-15

## 20. Areas of consultancy and income generated: Nil

## 21. Faculty as members in

- a) National committees
- b) International Committees
- c) Editorial Board : Nil

## 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental / program: 100%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

## 23. Awards / Recognitions received by Students/ faculty:

S. No.	Name of The Student	Event	Name of The University/Institution	Year /Date	Prize
1	V Vamsi Varma	Universtiy Best Student	JNTU, Kakinada	2012	Award
2	G.Rajesh Karna	Presentation	A1 Global Institute of Engineering & Technology, Markapur	2013	First
3	R Sai Chaitanya	Presentation	A1 Global Institute of Engineering & Technology, Markapur	2013	First
4	B.Vinod	Quiz	VRS & YRN College of Engineering & Technology, Chirala	2013	First
5	A.Srikanth	Quiz	VRS & YRN College of Engineering & Technology, Chirala	2013	First
6	I.J.Naga Siva Prasad Reddy	Presentation	Narayana Engineering College, Nellore	2013	Third
7	S.Avinash	Presentation	Narayana Engineering College, Nellore	2013	Third
8	M.Sudeer Kumar	Paper Presentation	PNC & Vijai Institute of Engineering & Technology, Phirangipuram	2013	Second
9	A.Pradeep Kumar	Paper Presentation	Amrita Sai Institute of Science & Technology, Kanchikacherla	2013	First
10	V Vamsivarma	Paper Presentation	Amrita Sai Institute of Science & Technology, Kanchikacherla	2013	First
11	Ch.Rojavali	Paper Presentation	Prakasam Engineering College, Kandukur	2013	First
12	Ch.Rojavali	Paper Presentation	Dr. Samuel George Institute of Engineering & Technology, Markapur	2013	First
13	R.Raj Kumar	Paper Presentation	Dr. Samuel George Institute of Engineering & Technology, Markapur	20-03-10	Second
14	M.Divya	Paper Presentation	Dr. Samuel George Institute of Engineering & Technology, Markapur	20-03-10	Second
15	M.Murali Krishna	Paper Presentation	Krishna Chaitanya Institute of Technology & Sciences, Markapur	2012	First
16	Ch.Naveen	Paper Presentation	Krishna Chaitanya Institute of Technology & Sciences, Markapur	2012	First
17	M.V.Sai Kiran	Paper Presentation	PACE Institute of Technology & Sciences, Ongole	2012	Second

18	Ch.Pavan Kumar	Paper Presentation	PACE Institute of Technology & Sciences, Ongole	2012	Second
19	M.Lakshmi Kumari	Paper Presentation	Priyadarshini College of Engineering, Sullurpeta	2014	First
20	M.Lakshmi Kumari	Paper Presentation	Chirala Engineering College, Chirala	2014	First
21	M.Lakshmi Kumari	Paper Presentation	Prakasam Engineering College, Kandukur	2014	Second
22	M.Lakshmi Kumari	Paper Presentation	St. Ann's College of Engineering & Technology, Chirala	2014	Second
23	K.Sasidhar	Second Prize (Paper Presentation)	Nalanda institute of Technology&Sciences, Sattenapalli	2015	Second
24	k.S.V.Prathima	Poster Presentation	Nalanda institute of Technology&Sciences, Sattenapalli	2015	First
25	V.AnkaBabu	Poster Presentation	Nalanda institute of Technology&Sciences, Sattenapalli	2015	First
26	K.Sasidhar	First Prize (Poster Presentation)	Nalanda institute of Technology&Sciences, Sattenapalli	2015	First
27	V.AnkaBabu	Paper Presentation	Nalanda institute of Technology&Sciences, Sattenapalli	2015	Second
28	C.Rojavalli	Voice of Tech	V.R.Siddhartha Engineering college, Vijayawada	2015	First
29	C.Rojavalli	Paper Presentation	KKR&KSR institute of Technology & Sciences, Guntur	2015	First
30	K.Raju	Singing	Chebrolu Engineering College, Guntur	2015	Second
31	K.Raju	Singing	KKR&KSR institute of Technology & Sciences, Guntur	2015	First
32	SK.Mubeena	Paper Presentation	Bapatla Womens Engineering college, Bapatla	2015	First
33	C.Roja valli	Paper Presentation	Bapatla Womens Engineering college, Bapatla	2015	First
34	P.Keerthana	Paper Presentation	RVR JC college of Engineering, Guntur	2015	Third
35	M.Manoj Kumar	Poster Presentation	RVR JC college of Engineering Guntur	2015	First

24. List of eminent academicians and scientists / visitors to the department:

S.No	Academic Year	Name of the Visitor	Designation	Address	Purpose of Visit
1	2010-2011	Dr. Ch. Sai Babu	Professor	JNTU Kakinada	Guest Lecture
2	2012-2013	Dr.N.Saidulu	Professor	NIT Warangal	Work Shop
3	2013-2014	Mr. P. Srinivasulu	Asst.Div.1	Rural Ongole	Gust Lecture



			Engineer		
4	2013-2014	Mr.D.S.V. Prasad	Professor	Asia power Gulf comp. Abudhabi	Guest Lecture
5	2014-2015	Dr.S.S. NagaRaju	Professor	JNTU Kakinada	Guest Lecture

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding

## a) National level:

S. No.	Name of the Seminars/ conferences/Workshop	Type	Date	No. of students Participated	Source of Funding
1	Emerging trends in electrical Engineering National conference	Conference	September 15 2010	50	Institute
2	Research methodology on Restructured power systems Engineering.	Workshop	August 04 2012	120	Institute

## b) International:

S. No.	Name of the Seminars/ conferences/Workshop	Type	Date	No. of students Participated	Source of Funding
1	International Conference on Recent Trends & Innovations in Engineering & Technology	Conference	May 1 <sup>st</sup> & 2 <sup>nd</sup> 2015	7	Institute & IRD

## 26. Student profile program/course wise:

S.No.	Year	Name of the Course/Progra	App. received	Selected	Enrolled		Pass percentage
					*M	*F	
1	2008-12	B.Tech	*	68	48	20	94.11
2	2009-13	B.Tech	*	60	46	14	80
3	2010-14	B.Tech	*	59	45	14	67.77
4	2011-15	B.Tech	*	55	39	16	74.54

\*M = Male \*F = Female

## 27. Diversity of Students

Name of the Course	Academic Year	% of students from the same state	% of students from other States	% of students from abroad
B. Tech.	2010-11	100	0	0
	2011-12	100	0	0
	2012-13	100	0	0
	2013-14	100	0	0
	2014-15	84	16	0
M. Tech.	2013-14	100	0	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S.No.	Academic Year	Name of exam	Students Qualified
1	2011-12	GATE	02
2	2012-13	GATE	03
3	2011-12	PGECET	20
3	2012-13	PGECET	18
4	2013-14	PGECET	12

## 29. Student progression

Student progression	Against % enrolled
UG to PG	27% (2012)
UG to PG	10% (2013)
UG to PG	15% (2014)
PG to M. Phil.	.....
PG to Ph.D.	.....
<b>Employed</b> • Campus selection	14 % (2008 Batch) 26% (2009 Batch) 14% (2010 Batch) 45% (2011 Batch)
• Other than campus recruitment	18 % (2008 Batch) 22% (2009 Batch)
Entrepreneurship/Self-employment	5 % (2008 Batch) 3% (2009 Batch) 2% (2010 Batch)

## 30. Details of Infrastructural facilities

a) Library: Available

b) Internet facilities for Staff &amp; Students: Available 24Mbps Band Width

c) Class rooms with ICT (information communication technology) facility: 02

d) Laborites:

S. No.	Name of the Laboratory	Area in Sq m	Total Cost in Rs
1	Electrical Machines	173	7,02,780
2	Electrical Circuits	99	32,090
3	Electrical Measurements	99	1,65,100
4	Electrical Simulation & Systems Simulation	66	507680
5	Power Electronics	66	1,81,350
6	Control Systems	66	1,75,225
7	Power converters & drives lab	66	4,09,320

## 31. Number of students receiving financial assistance from college, university, Government or other agencies:

S. No.	Academic year	Type of scholarship	No. of students availed	Amount
1	2014-15	Government Reimbursement(UG)	101	1828000/-
2	2014-15	Government Reimbursement(PG)	06	210800/-
3	2013-14	Government Reimbursement(UG)	171	5789900/-
4	2013-14	Government Reimbursement(PG)	11	803400/-
5	2012-13	Government Reimbursement(UG)	149	4667800/-
6	2011-12	Government Reimbursement(UG)	140	4265700/-
7	2010-11	Government Reimbursement(UG)	103	3139400/-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

S. No.	Name of Lecture/Workshop/Seminar	Details of Resource person	Date	Duration	Audience
1	A Workshop on Research methodology On Restructured power systems Engineering	Dr.N.Saidulu Professor NIT Warangal	04-08-12	1 Day	200
2	A Guest lecture on Distribution & Protection Systems in practical sub station	Mr. P. Srinivasulu Asst.Div.I Engineer Rural Ongole	22-02-14	1 Day	180
3	A Guest lecture on Power Electronics	Dr Ch.Sai Baba Professor JNTU Kakinada	26-08-10	1 Day	180
4	A Guest lecture on Education purpose & Student Responsibilities	Mr.D.S.V. Prasad Retired MD Asia power Gulf company(Abudhabi)	27-04-14	1 Day	180
5	A Guest lecture on optimization accepts of radial distribution systems using genetic algorithm	Dr.S.Siva NagaRaju Professor JNTU Kakinada	30-09-14	1 Day	120
6	Industry Institute Interaction	Mr. Subbaraju Pericherla Director-HR / Infosage Systems,HYD.	25-08-12	1 Day	420
7	Industry Institute Interaction	Mr. Manjunath Jayaram COO / Nanocell Technologies,Blore.	11-10-12	1 Day	180
8	Technical Training	Mr. Konad Reddy Trainer / Globarena,Hyd.	03-12-12	1 Day	420
9	Technical Training	Mr.Samuel Trainer / Globarena,Hyd.	04-12-12	1 Day	420
10	Technical Training	Mr.Kondareddy & Mr.Samuel Trainer / Globarena,Hyd.	05-12-12	1 Day	420
11	Soft Skills Training	Mr. Chaitanya Trainer / Globarena,Hyd.	17-12-12	1 Day	60
12	Soft Skills Training	Ms. Buelah Trainer / Globarena,Hyd.	18-12-12	1 Day	840
13	Soft Skills Training	Mr. Anil Exe-Director / Manhattan Review,Hyd.	25-01-13	1 Day	420
14	Workshop on Abroad Education	Mr. Rajesh BDO / VISU Consultants,Hyd.	02-03-13	1 Day	420
15	Industry Institute Interaction	Mr. Maria Antony HR / EIGi	05-03-13	1 Day	420

		Equipments, Coimbatore.			
16	Entrepreneurship awareness	Mr. Panduranga Rao GM / Dist Industrial Center, Prakasam (DT)	15-06-13	1 Day	840
17	Training	Mr.G Srinivas Freelance Corporate Trainer, Hyderabad	22-06-13	1 Day	1200
18	Industry Institute Interaction	Mr. Venkata Chalamaiah Technic al Lead, Infosys	06-07-13	1 Day	600
19	Industry Institute Interaction	Mr.Suresh Tanneru Manager Operations , IBM, Hyderabad	07-07-13	1 Day	600
20	Soft Skills Training	Mr.Benny George Corporate Trainer, Hyderabad	22-06-13	1 Day	1200
21	Training	Mr.K Sudhakar Project Manager, Globarena, Kakinada	25-07-13	1 Day	1200
22	Industry Institute Interaction	Mr. Arumugam Tiruvambalam Head HR, Yamaha Motors Electronics India Ltd, Chennai	14-09-13	1 Day	600
23	Industry Institute Interaction	Mr.Madhukar Parikh CEO, VNR Infra, Hyderabad	29-10-13	1 Day	1200
24	Webinar	Mr.Kishore Technical Team, Oracle, Hyderabad(JKC)	02-03-14	1 Day	600
25	The Struggle	Hanuman Kamma enParadigm Knowledge Solutions	19-07-14	1 Day	240
26	Stress Management	Bramha Kumari Manju Om Shanthi	05-08-14	1 Day	360
27	Study at Abroad	Abhishek Mitra TIME Institute,Ongole	06-08-14	1 Day	360
28	Data Communication	P.Nagendrababu Networks Data System Academy	07-08-14	1 Day	240
29	GRE,CAT,TOFEL	K.Ramakrishna TIME Institute, Ongole	22-08-14	1 Day	360
30	C,C++,Java	N.Nageswara Sarma Oracle PVT LTD	06-09-14	1 Day	240
31	Virtual computing	Sivudu Macharla Global Gold Foundation Pvt Ltd	17-09-14	1 Day	420
32	Industry Expectations	Naveen Bhagam,Siva Prasad.P	22-09-14	1 Day	660

		Franklin templetan india pvt Ltd			
33	Power systems, Gate	Vishnu TIME Institute, Ongole.	22-09-14	1 Day	50
34	Career Development	S.Sreedhar, IBS	29-09-14	1 Day	360
35	Gate awareness	Bala koti Reddy Lakshya Academy, Ongole	20-11-14	1 Day	120
36	Interaction session	Ramesh, Bits Hyd	22-11-14	1 Day	840
37	Motivation to lead the life	Naga Prasad Nagaprasad. com-Motivator	06-12-14	1 Day	360
38	Awareness program on GATE &PSUs	Bala Koti Reddy Lakshya Academy, Ongole	27-01-15	1 Day	180

33. Teaching methods adopted to improve student learning: chalk & talk, e-learning, digital library, charts, videos, ppts, animations.

- Chalk &Talk
- Animations
- Power point presentations
- NPTEL video Lectures
- JNTUK COERD materials
- Wi-Fi Internet accessible.
- Students seminars
- Assignments
- Digital Library
- Group Discussion

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

S. No.	Event Name	Organization/Area	No. of Students Participated	Date
1	Blood Donation	Belief blood bank and RIMS	14	26-2-10
2	Blood Donation	Life line blood bank	13	1-10-10
3	Blood Donation	Belief blood bank	15	07-4-11
4	Clean & Green	Vasae palli padu	6	05-01-12
5	Plantation	Vasae palli padu	6	05-01-12
6	School dropouts &sports for children	Vasae palli padu	6	06-01-12

7	Literacy awareness	Vasae palli padu	4	07-01-12
8	Free medical camp	Vasae palli padu	6	09-01-12
9	Blood Donation	Life line	7	11-01-13
10	Blood Donation	Belief blood bank and RIMS	11	01-10-13
11	Aids awareness programme	At Collector office ,ongole	6	01-12-14
12	Blood Donation	At Belief blood bank & Indian red cross	7	03-04-14
13	Anti corruption camp	At Collector office ,ongole	5	09-12-14
14	Cancer awareness programme	At Collector office ,ongole	6	04-02-15

### 35. SWOC analysis of the department and Future plans:

#### **Strengths**

1. Well equipped laboratories.
2. Remedial classes for students lagging in subjects.
3. Dedicated Faculty who are willing to learn and teach.
4. Active chapter of ISTE.
5. Close monitoring of Students to maintain discipline.
6. Training classes for placements.
7. Motivation classes for students and faculty.

#### **Weakness**

1. Industry interaction should be improved.
2. A few faculty having low experience.

#### **Opportunities**

1. Can be developed as a centre of excellence in Power Electronics area.
2. Number of opportunities from private and public sector.

#### **Challenges**

1. To improve the teaching skills and practical knowledge of the faculty members.
2. Improve the faculty paper publications.

## EVALUATIVE REPORT

### DEPARTMENT OF MECHANICAL ENGINEERING

1. Name of the department : Mechanical Engineering
2. Year of Establishment : 2010
3. Names of Programmes : UG-Mechanical Engineering.  
PG – Machine Design
4. Names of Interdisciplinary courses and the departments/units involved

S.No	Year/Sem	Name of the course	Department handle
1	I/I	C Programming	Computer Science and Engineering
2	II/I	Basic Electronics & Electrical Engineering	Electrical & Electronics Engineering
3	II/I	Managerial Economics & Financial Analysis	Master of Business Administration
4	III/I	Intellectual Property Rights & Patents	Master of Business Administration
5	IV/I	Micro Electrical Mechanical Systems	Electronics & Communication Engineering
6	IV/II	Interactive Computer Graphics	Computer Science and Engineering

5. Annual/ semester/choice based credit system (programme wise):  
B.Tech. – Electives in Higher Semesters: semester based credit system and  
M.Tech - Semester based electives in all Semesters.
6. Participation of the department in the courses offered by other departments.

S.No	Name of the course	Hosting Department
1	Engineering Drawing	Electrical & Electronics Engineering
2	Engineering Mechanics	Computer Science and Engineering, Information Technology, Automobile Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering
3	Thermal and Hydro Prime Movers	Electrical & Electronics Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc: Nil
8. Details of courses/Programmes discontinued (if any) with reasons: Nil



## 9. Number of teaching posts: 19

	Sanctioned	Filled
Professors	2	2
Associate Professors	2	2
Asst. Professors	15	15

## 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S.No	Name	Qualification	Designation	Specialization	No. of
1	Dr.C.V.Subba	M.Tech, Ph.D	Professor	Thermal	25
2	Dr. Y. Sessa Rao	M.Tech, Ph.D	Professor	CIM	13
3	G. Ebinizar Babu	M.Tech	Assoc.	Machine Design	12
4	K.Aruna santhi	M.Tech,(Ph.D)	Assoc.	CAD/CAM	10
5	D. Ashok	M.Tech	Asst. Professor	Machine Design	5
6	R. Ajay Kumar	M.Tech	Asst. Professor	Machine Design	3
7	J. Siva Naga Raju	M.Tech	Asst. Professor	Machine Design	3
8	Y. SrinivasReddy	M.Tech	Asst. Professor	Machine Design	4
9	I. Vamsi	M.Tech	Asst. Professor	Machine Design	3
10	K.Venkateswarlu	M.Tech	Asst. Professor	Machine Design	4
11	R. Sai Lavanya	M.Tech	Asst. Professor	Machine Design	2
12	M. V.Swamy	M.Tech	Asst. Professor	Machine Design	4
13	S. Asha Rani	M.Tech	Asst. Professor	Machine Design	2
14	A. Shobab	M.Tech	Asst. Professor	Machine Design	1
15	K. Shadrak Babu	M.Tech	Asst. Professor	Machine Design	2
16	K. Sri Harsha	M.Tech	Asst. Professor	Machine Design	2
17	K. Sudhir	M.Tech	Asst. Professor	CAD/CAM	2
18	SK. Shareef	M.Tech	Asst. Professor	Machine Design	2
19	K. Prasanna	B.Tech.	Asst. Professor	Mechanical	3

## 11. List of senior visiting faculty: Nil

## 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

## 13. Student -Teacher Ratio (programme wise): UG: 15:1. PG: 12:1

## 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Academic support staff	4	4
Administrative staff	2	2

## 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

Ph.D-2, PG-16, UG-1

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

➤ Publications of faculty

S.No	Author	Paper particulars
1	Dr. C.V. Subba Rao	<b>Papers Published in International Journals</b>
		1. “Introduction to biodiesel”, International Journal of Advanced Engineering and Technology, Volume II, issue III, July-2011, pp 243-245.
		2. “Performance analysis and wear of I.C engine valve and seat inserts using jatropha methyl esters”, International Journal of Engg. Research & Indu. Appls. Vol. 4, No. III (August 2011), pp 177-188
		3. “Performance and Emission Characteristics of 4 Stroke Petrol Engine Fueled with Biogas / L.P.G Blends” International Journal of Advanced Engineering and Technology, Volume II Issue I / January – March 2011, pp. 209 – 213.
		4. “Production of Hydrogen as a Fuel” International Journal of Advanced Engineering and Technology (IJAET), Volume II Issue I / January – March 2011, pp. 185 – 189
		5. “Performance, emission analysis and wear characteristics of valves of I.C Engine fueled with methyl esters of cotton seed oil and its blends”, International Journal of Multidiscipl. Research & Advcs. In Engg., Vol. 3, No.III, pp 329-344.
		6. “Genetic Algorithm based hamming number technique for detection of Isomorphism in planetary Gear trains”. International Journal of Applied Engineering Research, Volume 6, No. 1, 2011, pp 33-42.
		7. “Prediction of flank wear in drilling using differential evolution trained neural networks”, Journal of manufacturing Engineering, March 2011, Vol. 1, pp 24 – 29.
		<b>Papers Published in International Conferences:</b>
		1) “A Mechatronic solution to Automotive Safety” in International Proceedings First WCDM-2008 organized by DMICS at Hyderabad

		2)“Handling Stability with Advanced Control Systems” in International Proceedings ERA-2009 organized at Velammal Engineering College, Chennai.
		3)“Buckling Analysis of Composite Shells” in International conference at Bundelkhand Institute of Engineering & Technology February 26 –27, 2011, pp. 807 - 815
		4)“Robotics And Automation” in International conference at Bundelkhand Institute of Engineering & Technology February 26 –27,2011. pp. 802 – 806
		5)“Development of Mechatronic System for Automatic Lifting” in International Conference at KL University 24th to 26th February 2011. pp. 421–428
		6)“Integration of Mechanical and Electronic Systems In Mechanical Engineering” in nternational Conference at KL University 24th to 26th February 2011. pp. 437–445.
		7)“Introduction to Generation of Epicyclic Gear Trains” ” in International conference at Bundelkhand Institute of Engineering & Technology, February 26 –27, 2011. pp. 876 – 879.
		<b>Papers published in National Conferences</b>
		1)“Robotic Welding of Alloys” National Conference on Advances in Mechanical Engineering ,NCAME - 2010,pp 215 – 223 at Prasad V. Potluri Siddhartha Institute of Technology ,Vijayawada.
		2)“Introduction to Flexible Manufacturing System(Fms)” National Conference On Advances in Mechanical Engineering ,NCAME - 2010,pp 224 - 232 at Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada.
		3)“Body Construction of Tipper Load/Dump Vehicles” in Proceedings of the IV National conference on Trends in Mechanical Engineering TIME – 2010, pp.187 - 191 organized at KITS, Warangal
		4) “Introduction and Design Process of a Robot” ” in Proceedings of the IV National conference on Trends in Mechanical Engineering TIME - 2010, Pp.216 - 219 organized at KITS, Warangal
2.	Dr. Y.Sesha Rao	1.Y.S.Rao, Dr.C.S.P.Rao “Simultaneous Tolerance Synthesis for Manufacturing and Quality using Evolutionary Algorithms”, published in International Journal of Applied Evolutionary Computation, Vol. 2, No. 2, pp 1-20, April-June 2011.
		2. Y.S.Rao, Dr.C.S.P.Rao “Simultaneous Tolerance Synthesis for Manufacturing and Quality using GA and PSO”, International Journal on Information Processing, Vol. 5, No. 1, pp 81-87 , Mar. 2011.
		3. Y.S.Rao, Dr.C.S.P.Rao “A Genetic Algorithm Approach for Simultaneous Tolerance Synthesis for Manufacturing and Quality with Different Stack-Up Conditions”, International Journal of Applied Engineering Research, Vol. 3, No. 9, pp 1169–1188, 2008.

		4. Madhavi Pattem, Y. Sessa Rao, “Design Evaluation and Optimization of an Alloy Wheel for Four Wheeler”, International Journal of Production Technology and Management Research, Vol. 3, Issue 2, pp 99-104, July-December 2012.
		5. Madhavi Pattem, Y. Sessa Rao, “Review of An Alloy Wheel for Four Wheeler”, IJPQE Volume 3, Number 2, July-December 2012, pp. 36-39.
		6. D. Mojeswararao, Dr. Y. Sessa rao “Design, Modeling and Analysis of Bipedal Walking Robot by Using Fuzzy Logic Controller”, International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 12, December – 2013, pp. 601-612.
		7. Y.S.Rao, Dr.C.S.P.Rao “Tolerance Analysis Of Mechanical Assemblies Using AutoCAD and MATLAB”, National Conference on Factory Automation, Robotics and Soft Computing, 18-19, January 2007, NIT Warangal, pp 189-194
		8. Y.S.Rao, Dr.C.S.P.Rao “Simultaneous Tolerance Synthesis for Manufacturing and Quality using MATLAB”, Proceeding of National Conference on Challenges in 2020 – Mechanical Engineering perspective (CITTMEP-2008), March 14 & 15, 2008, pp. 22 – 28.
3	G.E. Babu	1. Design and analysis of new forceps for robot assisted surgical operation IJERT.
		2. Introduction to the development and design of a mechatronic system IJERA.
		3. Automated safety systems IOSRJEN
4	K. Aruna Santhi	Published an International Journal “A Framework for Web-Oriented Manufacturing System (WOMS)” International Journal of Latest Trends in Engineering and Technology (IJLTET)
5	D. Ashok	Design and structural analysis of composite multi leaf springs IJERS.
6	R. Ajay Kumar	Computational analysis of friction stir welding tools with various threaded pin profiles IJERT
7	J. Siva Naga Raju	Design & structural analysis of heavy vehicle chassis frame made of composite materials IJERS
8	I. Vamsi	Modeling of process parameters on surface roughness in milling of aluminum metal matrix composites (al-7075 & sic) using RSM IJERT
9	Y. Srinivas Reddy	Structural analysis of spherical shell with radial nozzle IJMMO.
10	K. Sri Harsha	Strength analysis of tube to tube sheet joining in shell and tube heat exchanger IJSETR
11	M.V. Swamy	1. Frame work on web oriented manufacturing system IJLTET.
		2. Structural failure analysis of an automotive crankshaft and to find its behavior under different operating loads IJERTS.

12	S. Asharani	Effect of Orientation Angle of electrical hole on thermo plastic composite plate at different loads- IJCERTS.
13	R. Sai Lavanya	Solar water cooler using Li-Bi absorption refrigeration system IJMMO.

Number of papers published in peer reviewed journals (National /International) by faculty and students: 41

20. Areas of consultancy and income generated: NIL

21. Faculty as in-

- a) National committees : Nil
- b) International Committees : Nil
- c) Editorial Boards : Nil

22. Student projects-

- a) Percentage of students who have done in-house projects including inter departmental/programme: 90 %.
- b) Percentage of students placed for projects in organizations outside the i.e. in Research laboratories/Industry/ other agencies:10%.

23. Awards / Recognitions received by students:

S.No	Name Of The Student	Name Of The Award/Prize	Name Of The University/Institution
1	R. Prasanth kumar & D.Manoj Kumar	MVR Technosav-2K14 1st prize	MVR College of Engineering & Technology
2	Y.K.Chaitanya	Cine2R13Filmmaxine 2nd prize	Qis Institute of Technology Ongole.
3	Y.K.Chaitanya	Exene-13 2nd prize	Sri Krishna Institute of Technology Chennai.
4	Sk. khajavali	Global Mahostav 1st prize	A 1 Global Institute of Engineering & Technology Markarpuram
5	S. Rajasekhar	EMER'GE'-2K13 1st prize	Dr. Samuel institute of Engineering & Technology Markapuram
6	G. Kiran Raj	TROKIA2013 1st prize	Delhi Technological University Delhi.
7	N. Sandeep kumar	PADARTH 1st prize	I.I.T Bombay. Bombay
8	G.Kiran Raj & T.Lakshmi Sir Raj	Vignan Mahostav12 2nd prize	Vignan Engineering College - Natational Level Event.
9	K. Sandeep Reddy & K.Raghavendra swamy	VAIBHAV2012 3rd prize	Chirala Engineering College – National Level Event.

## 24. List of eminent academicians and scientists / visitors to the department:

S.No.	Name of the Visitor	Designation	Address	Purpose
1	Pakirappa	Asso professor	Hydrabad-50082	Advance Techniques in manufacturing
2	Mr. Kota Pavan Kumar	Junior Engineer	Oppt. Sai baba temple lawyer pet,ongole	Marian technology
3	Mr. P.Bala Subramanyam	Construction Manager	ESSAR Project (I) ltd, Mumbai	New Trends in oil & gas refinery system
4	Venkateswara Rao	Ex-Manager, SEMENS	Goutam Nagar, Vepagunta, vizag	Indurstry institute intraction
5	Mr. S. Vamsi Krishna	Manager	Manager, CFD anlyst, TATA Motors,Pune	Introducation to CFD

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding

## a) National- College funded.

S.NO.	Name of Seminars	Date	Source of funding
1	Deflection of Beams	25-8-2014	PACE ITS
2	Units and its impact	25-8-2014	PACE ITS
3	Casting process and their technology	7-3-2014	PACE ITS
4	Manufacturing Technologies and their trends	7-3-2014	PACE ITS
5	Material Sciences and their tech	7-3-2014	PACE ITS

## b) International: 01

## 26. Student profile programme/course wise:

Year/Sem	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2010-2014	Mechanical Engineering	66	61	58	3	72%
2011-2015	Mechanical Engineering	61	56	56	0	39%

\*M = Male \*F = Female

## 27. Diversity of Students

<b>Name of the Course</b>	<b>Year of Admission</b>	<b>% of students from the</b>	<b>% of students from other</b>	<b>% of students from abroad</b>
B. Tech. in Mechanical Engineering	2014	96%	4%	Nil
B. Tech. in Mechanical Engineering	2013	98.4%	1.6%	Nil
B. Tech. in Mechanical Engineering	2012	98.4%	1.6%	Nil
B. Tech. in Mechanical Engineering	2011	100%	Nil	Nil

## 28. How many students have cleared national and state competitive examinations -such as NET, SLET, GATE, Civil services, Defense services, etc.?

<b>S.No.</b>	<b>Academic year</b>	<b>Name of exam</b>	<b>Appeared</b>	<b>Qualified</b>
1	2013-14	GATE	5	2
2	2013-14	PGECET	22	10

## 29. Student progression

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	20%
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
<b>Employed</b>	
• Campus selection	20%
• Other than campus recruitment	10%
Entrepreneurship/Self-employment	10%

## 30. Details of Infrastructural facilities

- a) Library- Available
- b) Internet facilities for Staff & Students- Yes, staff room, CAD lab facility  
Bandwidth -24 mbps and company-BSNL
- c) Class rooms with ICT: 2

d) Laboratories: 10

S. No.	Lab Name	Area in (m <sup>2</sup> )	Total cost(Rs)
1	Engineering Workshop	220	108528.25 /-
2	Fluid mechanics & Hydraulic machinery lab	110	470000/-
3	Production Technology lab	110	2,13,000/-
4	Machine Tools Lab	150	183,300/-
5	Metallurgy lab	110	200490
6	Metrology lab	110	67450 /-
7	Instrumentation & control systems lab	110	91,200/-
8	Thermal Engineering lab	110	6,96,110/-
9	Heat transfer lab	71.34	303,100 /-
10	CAD/CAM lab	110	24,00,000/-

31. Number of students receiving financial assistance from college, university, government or other agencies

S.NO.	Academic year	Type of scholarship	No. of students availed	Amount
1.	2013-14	Government Reimbursement	182	6593300/-
2.	2012-13	Government Reimbursement	149	4667800/-
3.	2011-12	Government Reimbursement	140	4265700/-
4.	2010-11	Government	103	3139400/-

32. Details on student enrichment programmes (speciallectures / workshops / seminar) with external experts

S.NO.	Name of workshop	Date	Name of the external expert and the organization	Audience
1	Nano technology	26-7-2012	Dr. G.Suneel Narasaraopet Engg. College	60
2	Robotics and Automation	21-12-2012	Dr. Y.Sesha rao QISCET.ongole	60
3	Alternative fuels	13-6-2013	Prof. M.V.M Sharma QISCET.ongole	60
4	Flexible Manufacturing systems	6/11/2013	Dr. V.Panduranga MIC vijayawada	60



## 33. Teaching methods adopted to improve student learning-E-learn:

- Organizing Seminars, Technical Quizzes, and Model making Sessions.
- Conducting remedial classes for poor learners to improve their academic Performance.
- Encouraging students to participate/Present in Technical fests/Symposiums and National/ International Conferences
- Classes are conducted regularly as per time table.
- Black board teaching in all class rooms.
- Power point presentations/Video lectures/OHPs are arranged to the students by the concerned faculty.
- Giving Assignments to the students after completion of prescribed syllabus.
- Providing extra content to fill the gap between academic and industry
- Two internal assessment tests are conducted
- Providing extra lab practice to all the students to improve the practical skills. Along with regular curriculum.
- Delivering staff seminars on advanced topics
- Arranging workshops/guest lecturers to students by eminent personalities from
- Academic institutions and Industry to enhance the knowledge of student
- Arranging Industrial Visits

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

<b>S.No.</b>	<b>Event Name</b>	<b>No. of Students Participated</b>	<b>Date</b>
1	Blood Donation	28	26/2/2010
2	Blood Donation	26	1/10/2010
3	Blood Donation	30	7/4/2011
4	Clean & Green	12	5/1/2012
5	Plantation	12	5/1/2012
6	School dropouts & sports for children	12	6/1/2012
7	Literacy awareness	8	7/1/2012
8	Free medical camp	12	9/1/2012
9	Blood Donation	14	11/1/2013
10	Blood Donation	22	1/10/2013
11	Blood Donation	14	3/4/2014
12	Aids awareness programme	15	1-12-2014
13	Anti corruption camp	10	09-12-2014
14	Cancer awareness programme	19	04-02-2015

## 35. SWOC analysis of the department and Future plans:

**Strengths**

- Best Counseling Facility.
- Well framed Student Management System
- Active placement cell
- Well equipped laboratories.
- Good Team Spirit among faculty
- Committed Technical Supporting Staff
- Systematic monitoring of teaching-learning process.
- Good Intake of students
- Good Project work- in-house and industry based

**Weaknesses**

- Faculty retention rate at senior level is low
- Research and consultancy need to be improved.
- Professional skills needs to be further improved among students
- Communication skills among rural based students need improvement.
- Lack of research awareness among majority of the faculty and students.

**Opportunities**

- Students' participation in many co-curricular and extra-curricular activities in the campus can improve the communication skills and leadership qualities.
- Placement training programmes, GATE Coaching and counseling organized within the campus regularly for the career guidance of the students.

**Challenges**

- To motivate the faculty to undertake research work in the department level.
- To have research centre facilities in the department.
- To have at least 50% of faculty with doctoral degree in diversified areas.
- Soft skills and related training by T&P Cell and association with alumni grabs the opportunities to raise the employability of the students.
- Continuous faculty development programmers at Institute level.

## Evaluative Report

### Department of Electronics & Communication Engineering

1. Name of the department: Electronics & Communication Engineering
2. Year of Establishment: 2008
3. Names of Programmes / Courses offered  
 UG : B.Tech- Electronics And Communication Engineering  
 PG : M.Tech- VLSI &ES
4. Names of Interdisciplinary courses and the departments/units involved:

S. No.	Year/Sem	Name of the course	Department offering the course
1	III/I	Computer Architecture & organization	Computer Science & Engineering
2	II/I	Network Analysis	Electrical & Electronics Engineering
3	II/I	Electrical Technology	Electrical & Electronics Engineering
4	IV/II	Operating Systems	Computer Science & Engineering
5	III/II	Management Science	Master of Business Administration
6	I/II	Computer Programming	Computer Science & Engineering

5. Annual/ semester/choice based credit system (programme wise):

UG: Semester based credit system and Electives in Higher semesters  
 PG: Semester based system and Electives for all semesters

6. Participation of the department in the courses offered by other departments

S.No	Year/Sem	Name of the course	Course offered to department
1	II/I	Electronics Devices & Circuits	EEE,CSE,IT
2	III/I	Data communication	IT
3	II/II	Pulse And Digital Circuits	EEE
4	II/I	Switching Theory & Logic Design	EEE,CSE,IT
5	III/II	Micro Processor And Micro Controllers	EEE

7. Courses in collaboration with other universities, industries, foreign institutions, etc. Nil
8. Details of courses/programs discontinued (if any) with reasons: Nil

## 9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	3	3
Associate Professors	6	6
Asst. Professors	18	18

## 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S.No	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	Dr.Mihir Narayana Mohanty	PhD	Professor	Signal Processing	10
2	M Sri Nagesh	M.Tech (Ph.D)	Professor	Industrial Process Instrumentation	18
3	M.Apparao	M.Tech (Ph.D)	Professor &HOD	VLSI Design	13
4	G.Rajesh	M.Tech	Associate Professor	Communication & Signal processing	11
5	B.Sivaprasad	M.Tech	Associate Professor	Instrumentation & Controls	10
6	N.Prakash BaBu	M.Tech	Associate Professor	VLSI Design	07
7	K.Sandeep	M.Tech	Associate Professor	Communication Systems	07
8	S.Ch.Kantharao	M.Tech	Associate Professor	VLSI Design	08
9	K.Bharath Kumar	M.Tech	Associate Professor	VLSI Design	06
10	SK.Ayesha	M.Tech	Assistant Professor	VLSI Design	05
11	G.Balanagireddy	M.Tech	Assistant Professor	Nano Technology	07
12	SV Saikumar	M.Tech	Assistant Professor	Digital Electronics & Communication Systems	03
13	B.Srinivas Ganesh	M.Tech	Assistant Professor	VLSI Design	2.5

14	K.Suresh	M.E	Assistant Professor	Microwave & Rader Engineering	02
15	P.Siva Krishna	M.Tech	Assistant Professor	Digital Electronics & Communication Systems	04
16	T.Ramaiah	M.Tech	Assistant Professor	VLSI Design	01
17	Y. Sruthi	B.Tech	Assistant Professor	VLSI & Embedded	1.5
18	V. Priyanka	B.Tech	Assistant Professor	E.C.E.	01
19	K. Srikanth Babu	M.Tech	Assistant Professor	Telematics	01
20	K. Vijaya Kumar	B.Tech	Assistant Professor	E.C.E	7 months
21	A.Nagarjuna	B.Tech	Assistant Professor	E.C.E.	7 months
22	M.V.Ajay Kumar	B.Tech	Assistant Professor	E.C.E.	7 months
23	N.Adinarayana	M.Tech.	Assistant Professor	Systems & Signal Processing	1 month
24	N.Manogna	B.Tech	Assistant Professor	E.C.E.	1 month
25	N.Mallikarjuna Rao	M.Tech	Assistant Professor	VLSI&ES	03
26	CH.Suneel Kumar	M.Tech	Assistant Professor	ES	02
27	B.Madhuri	M.Tech	Assistant Professor	Instrumentation	1 month

11. List of senior visiting faculty: - Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student -Teacher Ratio (program wise)-

UG- 15:1

PG- 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	<b>Sanctioned</b>	<b>Filled</b>
Academic support staff	4	4
Administrative Staff	2	2

## 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. - M.Tech

Ph.D-1

PG-20

UG-6

## 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received- Nil

## 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received- Nil

## 18. Research Centre /facility recognized by the University- Nil

## 19. Publications:

## a) Publication of faculty-list

S. No.	Name of the faculty	Name of the publication	Publication Details
1	<b>Prof(Dr.) Mihir Narayan Mohanty</b>	IJTMCP, Inder Sc. Pub. (Accepted). 2015	“Design of Telemedicine System for Brain Signal Analysis”
		IJICT, Inder Sc. Pub. (Accepted). SCOPUS. EI Comp <b>2015</b>	“Convergence Analysis of Adaptive MSFs used for Acoustic Echo Cancellation”
		INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH, Vol.5, No.1, pp. 287- 293, 2015. SCOPUS. IF- 1. SNIP- 0.464	A New Control Strategy with Fuzzy Logic Technique in Distribution System for Power Quality Issues”
		Advances in Image and Video Processing, Volume 3 No 1, Feb (2015); pp: 1-9.	“An Algorithm with Low Complexity for Image Compression and its Hardware Implementation using VHDL”
		IJECE (IAES-Elsevier Science), vol. 5, no. 2, April 2015. SCOPUS. EI Comp., IF- 1.008	“Classification of Emotional Speech of Children Using Probabilistic Neural Network”
		International Journal of Renewable Energy Research (IJRER), (Accepted). SCOPUS. IF- 1. SNIP- 0.464	"Elman Neural Network Backpropagation Based Evaluation of Critical Busbars in Power Systems with Renewable Sources"
		International Journal of Computer Applications in Engineering Sciences, Volume V, Special Issue, pp. 40-46, January 2015	“Design of Metamaterial Based Bow-tie Antenna for UWB Communication”
		International Journal of Multimedia and Ubiquitous Engineering (IJMUE), Vol.9, No.1, pp.133-142 , 2014. SCOPUS, EI Comp. SNIP- 1.332.	A Framework for Wireless Sensor Network Fault Rectification”,

	International Journal of Wireless & Mobile Networks (IJWMN) Vol. 6, No. 2, pp. 101-109, April 2014.	“DESIGN AND ANALYSIS OF MIMO SYSTEM FOR UWB COMMUNICATION”
	IJECT Vol. 5.3 - Spl 1, July - September, 2014.	“FPGA Implementation of Modified Median Filter for Impulse Noise Removal from Image”,
	Advanced Science Letters, American Scientific Publishers, Volume 20, Numbers 3-4, pp. 671-675(5), March 2014. SCOPUS. IF-1.253. 2013	“Characterization of ZnO-ISFET for Bio-Sensor Application”,
	Int. Journ. of Computer Applications (0975 – 8887) Spl. Issue on Int. Conf. on Communication, Circuits and Systems “iC3S-2012”, pp. 13-16, 2013.	“Design and Analysis of GaAs based HBT for High Frequency Applications”
	IJCA Special Issue on Int. Conf. on Computing, Communication and Sensor Network CCSN2012(2):32-35, March 2013	“A Novel Approach to Reduce PAPR in OFDM based Broadcasting System”
	Int. Journ. of Advanced Computer Research (IJACR), Vol.3, No. 8, pp. 215 – 219, 2013.	“Design of Ultrasonic Transducer MEMS Model for Distance Measurement using Multiphysics”,
	ACEEE Int. J. on Control System and Instrumentation (IJCSI), Vol. 4, No. 2, June 2013. IET Inspec.	Adaptive Channel Equalization for Nonlinear Channels using Signed Regressor FLANN
	International Journal of Advanced Computer Research (ISSN (print): 2249-7277 ISSN (online): 2277-7970) Volume-3 Number-3 Issue-11 September-2013	Emotion Recognition with Speech for Call Centres using LPC and Spectral Analysis
	ARNP Journal of Engineering and Applied Sciences, VOL. 8, NO. 10, OCTOBER 2013, ISSN 1819-6608. SCOPUS. SNIP- 0.401.	“performance analysis of mimo wireless system with array antenna
	Int. Journal of Electrical, Electronics & Computer Engineering, Vol. 2 (2): pp. 66-71, 2013.	An Embedded Design for Patient Monitoring and Telemedicine
	Int. J. Power Electronics, Vol. 4, No. 2, pp-181-196, 2012. SCOPUS, EI Comp. SNIP- 0.099	Power Quality Disturbances Classification using Support Vector Machines with optimized time-frequency kernels
	Int. Journ. of Image Processing (IJIP), CSC Journals, Kuala Lumpur Malaysia, Volume 6, Issue 2, Apr. 2012	Electronic Nose for Black Tea Quality Evaluation Using Kernel Based Clustering Approach
	Int. Journ. of Emerging Technology and Advanced Engineering (IJETAEE), Volume2, Issue4/52, April 22, 2012.	A Novel Adaptive Algorithm for Reduction of Computational Complexity in Channel Equalization
	Int. Journ. of Engineering Science and Technology (IJEST), Vol. 4,	“Design of Wavelet Packet Based Model for Multi Carrier Modulation”

2		No.4 April 2012.	
		IJSSA, 2012.	“A Novel Approach for Image Coding Using Complex Wavelet Transform”
		IJSSA, 2012.	“FPGA Implementation of Notch Filter for Noise Removal from ECG Signal”
	M.Sri nagesh	IJ-ETA-ETS International journal of Emerging Technologies and Applications in Engineering, Technology and sciences. ISSN:0974-3588, Published in July-2009	Control of PMDC Motor using Fuzzy PI Controller
		Engineering Council of India 4th National Convention	On Seamless Engineering Education for the Better Employability of Engineers
		Published in June-09 journal of Instrument Society of India, Bangalore.	Sum Simulated Results of Packaged Micro Electro mechanical Acceleration sensors:
		conference paper for NSI-33 held in dec,2008 at AUCE (A),Visakhapatnam)	Viscosity measurement of Engine oil using a sensor for the Conditioning and Monitoring.
		National Symposium on Instrumentation (NSI-33) jointly organized by Instrument Society of India and A.U. College of Engineering (A), Visakhapatnam during 08.12.08 to 10.12.08	Effect of Frequency on Growth of Seeds.
		National Symposium on Instrumentation (NSI-33) jointly organized by Instrument Society of India and A.U. College of Engineering (A), Visakhapatnam during 08.12.08 to 10.12.08.	Motion Tracking by Pixel based classification.
		International Journal of Engineering Research and Development (IJERD) Vol No. : 05, Issue No. : 12. Feb.2013 ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X	Design, Simulation and Analysis of MEMS Parallel Plate Capacitors for Pressure
		in International Journal of Engineering and Innovative Technology (IJEIT) Volume 2, Issue 8, February 2013. ISSN: 2277-3754.	ECG telemetry
		conference presentation at ICRTIET-2015, during 1st - 2nd MAY, 2015, in PACE Institute of Technology & Sciences, Ongole, Andhra Pradesh, India.	Studies on effect of geometry of a silicon based diaphragm on the sensitivity of a MEMS PARALLEL Plate Capacitive sensor used in pressure measurement
3	M .Appa Rao	3 <sup>rd</sup> International Conference on Communications and Signal Processing (ICCSP-2014) 25th -28th April, 2014.	A Low Power High Speed Digital CMOS Parallel Counter Architecture
		Global Journals Inc. (US) Volume 12 Issue 11 Version 1.0	Design and Implementation of Low Power 12-Bit 100-MS/S Pipelined



		September 2012	ADC Using Open-Loop Residue Amplification
		National Level Symposium August 2009	Evaluation of nano Technology
4	K.Bharath Kumar	CIIT, Coimbatore	Energy efficiency less leakage power SRAM cell for SOC memory design(2010)
5	B.Siva Prasad	ICMID-2010(AUG-2010)	Modeling of A Tunable VCSEL using MEMS
6	G.Rajesh	International Journal of Engg. Research & Technology (IJERT) Vol. 1 Issue 7, September – 2012 ISSN: 2278-0181	An Efficient and Reliable Algorithm for the RWA Problem in Optical WDM Networks
7	B.S.Ganesh	IJARCET (september-2012)	Design and Implementation of Floating Point Multiplier for Better Timing performance.
8	S.V.Sai Kumar	IJERT(August-2012)	Secure Information Sharing Protocol for Mobile Ad-Hoc Peer to Peer Networks
9	K. Bharath Kumar,	International journal of advances in computer, electrical and electronics engineering(2012)	A Bounding box Gabor Filter for Fingerprint Recognition System presentation
10	K.Sundeeep	International journal of advances in computer, electrical and electronics engineering(2012)	A Bounding box Gabor Filter for Fingerprint Recognition System presentation(2012)
11	S.Ch.Kantharao	International journal of advances in computer, electrical and electronics engineering(2012)	A Bounding box Gabor Filter for Fingerprint Recognition System presentation(2012)
12	T.Ramaiah	International journal of Information Technology & Computer Sciences(2013)	FPGA Based High Level & High Performance FFT Processor Using Radix-2 Pipelined.
13	Shaik.Ayesh	IJREET July2014 Volume4	Interaction between Human & Computer by Using Hand Gesture.
14	T.Ramaiah	Transactions on Engineering & Sciences (June-2014)	MAC Based Gobor Filter Design using Verilog HDL

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

20. Areas of consultancy and income generated- Nil

## 21. Faculty as member's in-ISTE – 03; Students as members in- ISTE –191

- a) National committees -Nil
- b) International Committees -Nil
- c) Editorial Boards -Nil

## 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme -100 %
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies- Nil

## 23. Awards / Recognitions received students-

S.No	Name of the student	Event	Name of the organization	Prize
1	V.M.RamaChandra	PPT	VRSEC,VJY(2015)	2 <sup>nd</sup>
2	N.Manasa	PPT	Andhra University(SPIKES)(2014)	2 <sup>nd</sup>
3	O.Balanaidu	PPT	Lakkireddy Bali reddy(2014)	3 <sup>rd</sup>
4	P.Raju Gopal	PPT	Samuel Geroqe(2014)	1 <sup>st</sup>
5	P.Srikanth	PPT	Samuel Geroqe(2014)	1 <sup>st</sup>
6	S.Jyothirmai	poster	Prakasham Engineering College (2014)	2 <sup>nd</sup>
7	R.Nararajn	PPT	Prakasham Engineering College (2014)	2 <sup>nd</sup>
8	K.Haritha	PPT	GVR &S Institution of Technology & Science (2014)	1 <sup>st</sup>
9	K.Sree Lakshmi	PPT	GVR &S Institution of Technology & Science(2014)	1 <sup>st</sup>
10	K.Amareswari	PPT	Prakasham Institution of Technology & Science(2014)	2 <sup>nd</sup>
11	S.Jyothirmai	Poster	Prakasham Engineering College (2013)	2 <sup>nd</sup>
12	S.Tejaswi	PPT	SRK Engineering college (2013)	2 <sup>nd</sup>
13	R.Deepthi	PPT	SRK Engineering college (2013)	2 <sup>nd</sup>
14	A.Gayathri Devi	PPT	VRS & VRN College ,Chirala (2013)	2 <sup>nd</sup>
15	M.Mounika	PPT	VRS & VRN College ,Chirala (2013)	2 <sup>nd</sup>
16	K.Sowjanya	PPT	PACE (Project Expo) (2012)	2 <sup>nd</sup>
17	A.Gayathri Devi	Poster	PACE (Srujana ) (2012)	3 <sup>rd</sup>
18	A.Gayathri Devi	Poster	PACE (Project Expo) (2012)	2 <sup>nd</sup>

## 24. List of eminent academicians and scientists / visitors to the department

S.No	Name of the Resource Person	Date	Designation	Purpose of visit
1	D. Suresh Reddy	16-02-2012	JTO, BSNL	Guest lecturer
2	Mr. Subbaraju Percharla	25-08-2012	Director - HR / Infoge Systems Hyd	Guest lecturer
3	Manjunath Jayaram	11-10-2012	COO / Nanocell Technologies,	Guest lecturer

			Bangalore	
4	Mr. Konda Reddy	03-12-2012	Team Lead Globareena	Guest lecturer
5	Mr. Samuel	04-12-2012	Team Lead Globareena	Guest lecturer
6	Mr. Konda Reddy & Mr. Samuel	05-12-2012	Team Lead Globareena	Guest lecturer
7	Mr. Chaitanya	17-12-2012	Team Lead Globareena	Guest lecturer
8	Ms. Buelah	18-12-2012	Team Lead Globareena	Guest lecturer
9	Mr. R.M. Suresh	28-7-12 & 29-7-12	Principal, Jauraselem Engg. College	Workshop
10	Mr. Suresan	06-09-2012	Sr.Lecturer Pottisriramulu Engg.College, Vijayawada	Workshop
11	Mr. Anil	25-01-2013	Exe. Director / Man Hattem Review	Guest lecturer
12	Mr. Prasad Reddy	18-02-2013	Zonal Manager, Reliance Insurance	Guest lecturer
13	Mr. Rajesh	20-01-2013	BDO/VISU Consultants	Guest lecturer
14	Mr. Maria Antony	02-03-2013	HR / EIGI, Equipments, Coimbatore	Guest lecturer
15	Mr. Panduranga Rao	05-03-2013	GM / Dist Industrial Centre, Prakasam Dist.,	Guest lecturer
16	Mr. Samuel Johnson	27-04-2013	Asst.Professor Advanced Teaching Skills (F.V.P)	Guest lecturer
17	Mr. Suresh Taneeru	06-07-2013	Manager Operations at IBM, Hyd	Guest lecturer
18	Mr. M.L. Sai Kumar	07-07-2013	Institute of Public Enterprise - Dean (Hyd)	Guest lecturer
19	Mr. Bemy George	18-07-2013	Team Lead Globareena	Guest lecturer
20	Mr.Madhan Mohan	12-9-2013 & 14-09-2013	UTS tech solutions Pvt.Ltd Hyderabad	Workshop

## 25. Seminars/ Conferences/Workshops organized & the source of funding

### a) National

S. No	Name of the Seminar/Conference/workshop	Resource person	Dates	Source of funding
1	PCB Design	Ajay Babu	28 <sup>th</sup> & 29 <sup>th</sup> Nov-14	Institute
2	Digital signal processing with MAT Lab.	Mr.Madhan Mohan	12 <sup>th</sup> , 13 <sup>th</sup> & 14 <sup>th</sup> sep-2013	Institute
3	National Workshop Research	Mr. R.M. Suresh	28 <sup>th</sup> & 29 <sup>th</sup> July-2012	Institute

	& Methodology			
4	ROBOTICS	Mr.Ajay chaurasia	10th , 11th oct- 2011	Institute

## b) International: 01

S.No	Name of the Seminar/Conference/workshop	Resource person	Dates	Source of funding
1	International Conference on Recent Trends & Innovations in Engineering & Technology	Dr.BVR Guptha Dr.R.P.Das Dr.A.Narandra Dr.TirumalaRao	1 <sup>st</sup> & 2 <sup>nd</sup> May 2015	Institute & IGI Global USA

## 26. Student profile program/course wise:

S.No.	Year	Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
					*M	*F	
1	2008-2012	B.Tech	*	69	39	30	91.3
2	2009-2013	B.Tech	*	64	35	29	90.6
3	2010-2014	B.Tech	*	65	34	31	69.2
4	2011-2015	B.Tech	*	117	71	46	60.6

\*M = Male \*F = Female

## 27. Diversity of Students

Name of the Course	Academic year	% of students from the same state	% of students from other	% of students from abroad
UG : B. Tech.- ECE	2008-2009	100	0	0
UG : B. Tech.- ECE	2009-2010	100	0	0
UG : B. Tech.- ECE	2010-2011	100	0	0
UG : B. Tech.- ECE	2011-2012	100	0	0
UG : B. Tech.- ECE	2012-2013	100	0	0
UG : B. Tech.- ECE	2013-2014	100	0	0
UG : B. Tech.- ECE	2014-2015	100	0	0
PG :M. Tech.- VLSI &ES	2013-14	100	0	0
PG :M. Tech.- VLSI &ES	2014-15	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, GRE, TOEFL, Civil services, Defense services, etc.?

S. No.	Name of the exam	No. of students qualified	Academic year
1	GATE	5	2014-15
2	PGCET	7	2014-15
3	GRE	3	2013-14

29. Student progression

Student progression	Against % enrolled		
UG to PG	2008-3% 2009-1.3% 2010-3%		
PG to M.Phil.	Nil		
PG to Ph.D.	Nil		
Ph.D. to Post-Doctoral	Nil		
Employed	2009	2010	2011
Campus selection	48.3%	28.3%	7.5%
Other campus recruitment	5%	20%	0
Entrepreneurship/Self-employment	0%		

30. Details of Infrastructural facilities

- a) Library: Yes
- b) Internet facilities for Staff & Students: Available 24 Mbbs Speed.
- c) Class rooms with ICT (INFORMATION COMMUNICATION TECHNOLOGY)  
Facility -3 ROOMS
- d) Laboratories

S. No.	Name of the Laboratory	Area	Total Cost in Rs.
1	Simulation Lab	99 Square meters	11,95,461
2	Electronic Device & Circuits lab	99 Square meters	5,73,380
3	Integrated Circuits & Pulse and Digital Circuit Lab	66 Square meters	4,88,052
4	Communication Lab	99 Square meters	6,11,087

31. Number of students receiving financial assistance from college, university, government or other agencies-GOVT.

S. No.	Academic Year	Type of scholarship	No. of Students	Amount
1	2010-11	Government fee Reimbursement	94	Rs. 29, 20, 800/-
2	2011-12	Government fee Reimbursement	165	Rs. 50, 61, 400/-
3	2012-13	Government fee Reimbursement	217	Rs. 69, 06, 400/-
4	2013-14	Government fee Reimbursement	268	Rs. 93, 13, 100/-

32. Details on student enrichment programs (special lectures / workshops /Seminar) with external experts LAST FOUR YEARS

S. No.	Name of the Resource Person	Date	Institution	Topic
1	D. Suresh Reddy	16-02-2012	JTO, BSNL	Telecommunication System
2	Mr. Subbaraju Percharla	25-08-2012	Director - HR / Infoge Systems Hyd	Industry Expectations of Campus Freshers
3	Manjunath Jayaram	11-10-2012	COO / Nanocell Technologies, Bangalore	Advanced Telecom Technologies
4	Mr. Konda Reddy	03-12-2012	Globareena	Core Java
5	Mr. Samuel	04-12-2012	Globareena	Core Java
6	Mr. Konda Reddy & Mr. Samuel	05-12-2012	Globareena	Core Java
7	Mr. Chaitanya	17-12-2012	Globareena	Mentoring on Softskills
8	Ms. Buelah	18-12-2012	Globareena	Mentoring on Softskills
9	Mr. Anil	25-01-2013	Exe. Director / Man Hattem Review	Mock Interviews
10	Mr. R.M. Suresh	28-7-12 & 29-7-12	Principal Jauraselem Engg. College	National Workshop Research & Methodology
11	Mr. Prasad Reddy	18-02-2013	Zonal Manager, Reliance Insurance	Training on IRDA
12	Mr. Rajesh	20-01-2013	BDO/VISU Consultants	Overseas Education Opportunities
13	Mr. Maria Antony	02-03-2013	HR / EIGI, Equipments, Coimbatore	Journey to Corporate & Placements
14	Mr. Suresan	06-09-2012	Pottisriramulu, Engg.College, Vijayawada	Grooming Modern Use of English
15	Mr. Panduranga Rao	05-03-2013	GM / Dist Industrial Centre, Prakasam Dist.,	Establishment of new Business, Finance, History & Govt Support

16	Mr. Samuel Johnson	27-04-2013	Advanced Teaching Skills (F.V.P)	Soft Skills
17	Mr. Suresh Taneeru	06-07-2013	Manager Operations at IBM, Hyd	Career Path Technology Innovations
18	Mr. M.L. Sai Kumar	07-07-2013	Institute of Public Enterprise - Dean (Hyd)	Teaching by
19	Mr. Bemy George	18-07-2013		Soft Skills Training
20	Mr. Konda Reddy		Globareena	Mentor Interactions
21	Mr.Madhan Mohan	12-9-2013 & 14-09-2013	UTS tech solutions Pvt.Ltd Hyderabad	Workshop on MAT LAB
22	Ajay Babu	28 <sup>th</sup> & 29 <sup>th</sup> Nov-14	Embedded wings Vishakapatnam	PCB Design

### 33. Teaching methods adopted to improve student learning-,

1. Chalk & Talk
2. Power point Presentation
3. Quiz
4. Seminars
5. Workshops
6. Guest Lecturers
7. Mini Projects
8. NPTEL
9. DIGITAL Library

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

S. No.	Event	Organization	Dates	No. of Students participated
1	Blood Donation Camp	Red Cross	26/02/2010	16
2	Blood Donation Camp	Belief Blood Bank	10-01-2010	19
3	Blood Donation Camp	Red Cross	04-07-2011	26
4	Blood Donation Camp	RIMS	01-11-2013	11
5	Blood Donation Camp	Belief Blood Bank	10-01-2013	11
6	Blood Donation Camp	Red Cross	04-03-2014	13
7	Clean And Green Programme	Belief Blood Bank	01-05-2012	9
8	Plantation	Rotary Club	01-05-2012	9
9	Literacy Awareness	Red Cross	01-07-2012	8
10	School Drop-Outs And Sports For Children	Rotary Club	01-06-2012	9
11	Free Medical Camp	Belief Blood Bank	16/02/2013	9
12	Free Medical Camp	Red Cross	01-09-2012	9
13	Literacy Awareness	Rotary Club	02-04-2013	9

### 35. SWOC analysis of the department and Future plans

#### **Strengths:**

1. Strong faculty qualification, talented and dedicated, knowledgeable and cooperative faculty, great collaboration and good communication among faculty.
2. Strong Institutional and department level support for faculty research activities.
3. Cohesive and supportive working environment among department members.
4. Well defined program assessment (including Program Educational Objectives, course learning outcomes, and instruction assessments).
5. Good encouragement for students in numerous research and independent study.
6. Adequate facilities for classrooms and Upgraded labs.
7. Good placements of the students in IT Companies and motivation to higher studies.

#### **Weaknesses:**

1. Not many strong publications.
2. Professional skills needs to be further improved among students.
3. Communication skills among rural based students need improvement.
4. In sufficient core modules in the Affiliated curriculum.
5. Lack of international student attraction.

#### **Opportunities**

1. Engineering education at affordable cost.
2. Leader in providing quality engineering education clubbed with placements.
3. Industry oriented training.
4. Becoming a leader in student placements.
5. Becoming a leader in interdisciplinary and integrated learning.
6. An opportunity to interact with eminent personalities.
6. Maintaining and utilizing better contact to our alumni.

#### **Challenges**

1. Continuing encroachment on IT field by other departments.
2. High variance in student ability and experience.
3. Rapidly changing technologies that are beyond the current curriculum.

#### **Future plans:**

1. To intent to accomplish and implement the goals and initiatives of the department.
2. To provide technology-enhanced learning and an approach to research collaboration that is user friendly, feature rich, scalable, and accommodates the evolving needs of students and faculty.
3. Select, acquire, and implement a state-of-the-art teaching learning process to support goals, vision and mission of the department
4. Improve the faculty and student motivation towards research and lifelong learning.
5. Continuous qualitative assessment of the level of the students in the program.
6. To improve quality of student information integrity and accessibility.



## Evaluative Report

### Department of Computer Science and Engineering

1. Name of the Department: Computer Science and Engineering.
2. Year of Establishment: 2008
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.):

UG:- B.Tech in Computer Science and Engineering

PG:- M.Tech in Computer Science and Engineering

4. Names of Interdisciplinary courses and the departments/units involved:

S.No	Year/Sem	Name of the course	Department
1	I/I	Engineering Mechanics	Mechanical Engineering
2	I/I	Engineering Chemistry	Civil Engineering
3	I/II	Engineering Workshop	Mechanical Engineering
4	I/II	Engineering Physics	Mechanical Engineering
5	I /II	Engineering Drawing	Mechanical Engineering
6	II/I	Digital Logic Design	Electronics and Communication Engineering
7	II/I	Managerial Economics	Master Of Business Administration
8	II/I	Electronic Devices and Circuits	Electronics And Communication Engineering
9	III/I	Managerial Science	Master Of Business Administration
10	III/I	Micro Processor & Micro Controller	Electronics And Communication Engineering

5. Annual/Semester/choice based credit system (programme wise):

UG: B.Tech - Semester based credit system and electives in higher semesters.

PG : M.Tech - Semester based Electives in all semesters

6. Participation of the department in the courses offered by other departments: Yes

S. No.	Name of the course	Hosting department
1	Computer Programming	Electronics and Communication Engineering
2	Computer Programming	Electrical and Electronics Engineering
3	Data Structures	Electronics and Communication Engineering
4	Computer Organization	Electronics and Communication Engineering
5	Computer Organization	Electronics and Communication Engineering
6	UNIX programming	Electronics and Communication Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil

## 9. Number of Teaching Posts

Designation	Sanctioned	Filled
Professors	2	2
Associate Professors	5	5
Asst. Professors	16	16

## 10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. / Ph.D. / M.Phil. Etc.)

S. No.	Name	Qualification	Designation	Specialization	No. of Years Experience	No. of Ph.D. Student
1	B.Vijaya Kumar	Ph.D	Professor	Computer Science and Engineering	16	6
2	P.Ajit Kumar	Ph.D	Professor	Computer Science and Engineering	16	3
3	P.Anil Kumar	M.Tech (CSE)	Assoc. Professor	Computer Science and Engineering	7	Nil
4	Koteswara Rao.Ch	M.Tech (CSE)	Assoc. Professor	Computer Science and Engineering	10	Nil
5	AnithaRaju	M.Tech (CSE)	Assoc. Professor	Computer Science and Engineering	10	Nil
6	GiriBabu.S	M.Tech (CSE)	Assoc. Professor	Computer Science and Engineering	9	Nil
7	M Rao Batchanaboyina	M.Tech (IT)	Assoc. Professor	Information Technology	8	Nil
8	G.Pavan	M.Tech (CSE)	Assoc. Professor	Computer Science and Engineering	8	Nil
9	V.Gopikrishna	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	2	Nil
10	LakshmaReddy.V	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	2	Nil
11	JanardhanaReddy.D	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	2	Nil
12	P.SreeHari	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	1/2	Nil
13	M.SrinivasaRao	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	3	Nil
14	D.Anandam	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	4	Nil
15	B.Srinivasulu	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	1	Nil
16	T.V.S.Vivek	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	-	Nil
17	Anil Kumar. G.	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	-	Nil
18	A.Amrutavalli	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	1	Nil
19	A.Tirumala Chari	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	1	Nil
20	P.V.S. Saraswathi	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	-	Nil
21	V. Yamini	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	1	Nil
22	Mr .Sk. Manjorullasha	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	-	Nil
23	S.Mamatha	M.Tech (CSE)	Asst. Professor	Computer Science and Engineering	-	Nil

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student-Teacher Ratio (programme wise):

UG-15:1

PG-12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 03

	Sanctioned	Filled
Academic support staff	4	4
Administrative Staff	2	2

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.:

Ph.D- 2

P.G- 18

U.G- 3

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre/facility recognized by the University: Nil

19. Publications:

a) Publication of faculty

S.No	Faculty Name	Publication type	Publication Title	Publication detail
1	Ch .Koteswara Rao	Journal	Dispensing Definite frequency schemes for MIMO Systems	IJERT,ISSN: 2278-0181,Vol. 1 Issue 8, October – 2012
2	M.Rao Batchanaboyina	IEEE conference	Learning styles vs. Suitable courses	978-1-4799-1626-9/13,2013 IEEE
		Journal	A Novel approach for preventing hackers in Data Communication	IJASCSE, 2, Issue 2, April 2013ISSN 2278 7917.
		Journal	Rule based scene retrieval using Turing Machine	IJERT Vol. 1 Issue 7, September – 2012 ISSN: 2278-0181
		Journal	Recent Trends on DAS and SAN Protocols	International Journal of Advanced Research in Computer Science and Software Engineering, Volume 5, Issue 4, 2015 , ISSN: 2277 128X
3	D. Anandam	Journal	Identifying popular items by Analyzing randomized algorithms	IJCAE, VOL I, issue IV, December 2011.

4	T.V.S. Vivek	Journal	Novelty Approach of “ODD-EVEN Transposition Technique	International Journal Of Engineering Research And Applications
		Journal	Security Issues In Mobile Ad-Hoc Networks	International Journal Of Computer Science And Technology
		Scopus Indexed journal	An Architectural Approach for Data Hiding In Images Using Mobile communication	International Journal of Applied Engineering Research
6	R. Anitha	Journal	A Predictive Motif on Neural Networks Linked with Image Processing	International Journal of Advanced Computing Volume 39, Issue 9, June 2012
7	M. Srinivasa Rao	Journal	Lossless Data Hiding In Images Using Histogram Modification	International Journal Of Video & Image Processing and Network Security

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

- a) National committees : Nil
- b) International Committees : Nil
- c) Editorial Board : Nil

22. Student Projects

- Percentage of students who have done in-house projects including inter departmental / programme : 100%
- Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories / Industry/ other agencies: 0%

23. Awards / Recognitions received by faculty and students

Academic Year 2012 – 2013(Award Winners)				
1	A.Sravani	Paper Presentation	Prakasam engg college	III
2	M.Srilekha	ISKRA-2K12	Prakasam engg college	I
3	A.Sravani	ISKRA-2K12	Prakasam engg college	I
Academic Year 2013 – 2014(Award Winners)				
1	A.Sravani	Paper presentation	KITS, Markapur	III
2	M.Srilekha	Paper presentation	KITS, Markapur	III
Academic Year 2014 – 2015(Award Winners)				
1	K.S.N Durga	Poster presentation	LBREC	II
2	N.Vamsi	Poster presentation	LBREC	II

3	A.SivaTejasree	Paper Presentation	PRAKASAM Engineering college	I
4	D.BalaBhargavi	Paper Presentation	PRAKASAM Engineering college	I
5	P.Supraja	Paper Presentation	Malineni Laksmiah Engineering college for women,Guntur	I
6	M.Tanuja	Paper Presentation	Malineni Laksmiah Engineering college for women,Guntur	I
7	V Lavanya	Paper Presentation	Krishna chaitanya institute of technology and sciences ,Markapur	III
8	B Syamala	Paper Presentation	Krishna chaitanya institute of technology and sciences ,Markapur	III

## 24. List of eminent academicians and scientists/visitors to the department

S.No	Academic Year	Name of the visitor	Designation and organization	Purpose
1	2012-13	Dr. M H M Krishna Prasad	Assoc.professor,UCE,Vizayanagar	Guest Lecture
2	2013-14	Prof. Ch.Rupa	Professor,V.R.Siddhartha engg college,vijayawada	Guest Lecture
3	2013-14	Dr. D.Nagaraju	Asst.Professor,Anu college of Engineering,Guntur	Guest Lecture

## 25. Seminars/Conferences/Workshops organized &amp; the source of funding:

## a) National

S.No	Name of Seminars/Conferences/ Workshops	Duration	Number of Students / Faculty participated	Source Of Funding
1.	A Three Day Training Program On Windows Mobile App	27 <sup>th</sup> , 28 <sup>th</sup> Feb & 1 <sup>st</sup> March – 2015	80/10	INSTITUTE
2	Network Simulator 2	8 <sup>th</sup> & 9 <sup>th</sup> September-2012.	120/20	INSTITUTE
3.	Information security and cyber forensics	30 <sup>th</sup> sep & 1 <sup>st</sup> octobetr-2011	150/25	INSTITUTE

## b) Inter National: 1

S.No	Name of Seminars/Conferences/ Workshops	Duration	Number of Students / Faculty participated	Source Of Funding
1.	A Two Day International Conference On Recent Trends And Innovations In Engineering And Technology(ICRTIET)	1 <sup>st</sup> ,2 <sup>nd</sup> May – 2015	10/30	INSTITUTE & IRD

## 26. Student profile programme / course wise:

<b>Computer Science and Engineering</b>						
<b>UNDER GRADUATION PROGRAMME DETAILS</b>						
<b>Year</b>	<b>Name of the Course/programme</b>	<b>*Applications received</b>	<b>Selected</b>	<b>Enrolled</b>		<b>Pass percentage</b>
				<b>*M</b>	<b>*F</b>	
2008-12	B.Tech (CSE)	*	65	38	27	83.61
2009-13	B.Tech (CSE)	*	62	26	36	88.23
2010-14	B.Tech (CSE)	*	60	28	42	76.27
2011-15	B.Tech (CSE)	*	54	32	22	80.7

\*M=Male \*F=Female

## 27. Diversity of Students

<b>Year of Admission</b>	<b>Name of the Course</b>	<b>%of students from the same state</b>	<b>% of students from other States</b>
2008-2009	B.Tech(CSE)	100%	-
2009-2010		100%	-
2010-2011		100%	-
2011-2012		100%	-
2012-2013		100%	-
2013-2014		100%	-

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

<b>S. No.</b>	<b>Name of Examination</b>	<b>Year</b>	<b>No of students qualified</b>
1	GATE	2014	1
2		2013	1
3		2012	1

## 29. Student progression

**Academic year: 2013-14**

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	20%
PG to M.Phil.	-
PG to Ph.D.	-
Employed <ul style="list-style-type: none"> <li>Campus selection</li> <li>Other than campus recruitment</li> </ul>	30% 10%
Entrepreneurship/Self-employment	0%

## 30. Details of Infrastructural facilities

- Library : Yes.
- Dept. Library : Yes.
- Journals : Yes.
- Projects reports : Yes.
- CDs : Yes
- Internet facilities for Staff & Students: Yes,
  - Bandwidth : 20 MBPS 2MBPS
  - Provider : BSNL AIRTEL
- Class rooms with ICT facility : Yes, Two class rooms
- Laboratories : Four

Lab Name	Usage	Equipment	Total Cost (in Rupees)
Data ware Housing & Hybrid Computing Lab (RoomNo:201)	Operating Systems & Compiler Design Lab	HCL ALPHA 4990 1 GB DDR II RAM 1.8GHZ DUEL CORE PROCESSOR 160 GB HDD 17" MONITOR PS/2 KEYBOARD OPT MOUSE	12,60,000/-
	Computer networks & Unix Lab		
	Advanced Data structures Lab		
	Object oriented programming through C++		
Cloud computing Lab (RoomNo:202)	Data Structures Lab	18.5" MONITOR 3.06GHZ DUEL CORE PROCESSOR 2 GB RAM 500 GB HDD PS/2 KEYBOARD PS/2 MOUSE	6,12,000/-
	Free open source software Lab		
Computer Lab-2 (RoomNo:214)	Computer programming Lab	INTEL CORE 2 DUEO 3.0GHz PROCESSOR 2 GB RAM 250 GB HDD USB KEYBOARD/MOUSE	12,60,000/-
	Advanced Data structures Lab		
	IT Work Shop Lab		
Advanced Computing Lab (RoomNo:317)	Advanced Java and Web Technologies (AJWT)Lab	18.5" MONITOR 3.06GHZ DUEL CORE PROCESSOR 2 GB RAM 500 GB HDD USB EYBOARD/MOUSE	12,60,000/-
	Unified modeling language & Design Patterns (UML&DP)Lab		
	Java Programming Lab		

31. Number of students receiving financial assistance from college, university, Government or other agencies

S. No.	Academic Year	Type of Scholar	Number of students availed	Amount
1	2010-2011	Fee reimbursement	89	2711800/-
2	2011-2012	Fee reimbursement	119	3610800/-
3	2012-2013	Fee reimbursement	134	4233400/-
4	2013-2014	Fee reimbursement	183	13194200/-

32. Details on student enrichment programmes (special lectures/workshops/ Seminar) with external experts

ACADEMIC YEAR: 2011-12				
S.	EXPERT NAME	TOPIC	DATE	Participate
1	Mr D.Sreehari	Byte Order Byte	14/08/2011	CSE-IV-I
2	Mr D.Venkatesh	Dataware Housing	22/08/2011	CSE-IV-I
3	Mr K.Ravindra Reddy	Data Miniing Query	14/09/2011	CSE-IV-I
4	Mr B.Pradeep	Timer Controle Mode	06/08/2011	CSE-IV-I
5	Mr K.Venkateswara Rao	Work Breakdown	13/08/2011	CSE-IV-I
6	Dr.Sreenivasa Rao	Data Mining&	27/08/2011	CSE-II-II
7	Prof.Mr.Raghunadh	Android& Cloud	28/08/2012	CSE-
7	Dr.Dorai Ranga Swamy	The Way Of Project	15/09/2011	CSE-III-I
8	Mr Cn Gowtham	Life Cycle Phases	09/10/2011	CSE-IV-I
9	Mr K.Ashok	Adv. Computer	14/09/2011	CSE-IV-I
10	Mr N.Anjaneyulu	Biometrics	27/02/2012	CSE-
11	Mr N.Anjaneyulu	Mobile Computing	01/08/2012	CSE-III-I
12	Mr N.Anjaneyulu	Cloud Computing	01/08/2011	CSE-III-I
13	Mr N.Anjaneyulu	5g Communication	08/08/2011	CSE-III-I

ACADEMIC YEAR: 2012-13				
S. No	Expert Name	Topic	Date	Participated Students
1	Mr. Subbaraju Pericherla	Industry Expectations of Campus freshers	25-08-2012	IV Year
2	Mr. Manjunath Jayaram	Advanced Telecom Technologies	11-10-2012	B Tech
3	Mr. Konda Reddy	Core JAVA	03-12-2012	IV Year
4	Mr.Samuel	Core JAVA	04-12-2012	IV Year
5	Mr.Kondareddy	Core JAVA	05-12-2012	IV Year
6	Mr. Chaitanya	Mentoring on Soft skills	17-12-2012	III & IV
7	Ms. Buelah	Mentoring on Soft skills	18-12-2012	III & IV
8	Mr. ANil	Mock Interviews	25-01-2013	IV Year
9	Mr. Rajesh	Overseas Education & Opportunities	20-02-2013	IV Year



10	Mr. Maria Antony	Journey to corporate & Placement Grooming	02-03-2013	IV Year
11	Mr. Panduranga Rao	Establishment of new business, Finance, History & Govt Support	05-03-2013	III & IV

ACADEMIC YEAR: 2013-14				
S No	Expert name	Topic	Date	Participated students
1	Mr.G.Srinivas	Awareness on Freelance Projects	15-06-2013	B Tech II & III
2	VenkataChalamaiah	Awareness programme for Employability	22-06-2013	B Tech III Year
3	Mr.SureshTanneru	Career Path & Technology Innovations	06-07-2013	B Tech III Year
4	Mr.Benny George	Importance of Soft Skills to be perfect professional	18-07-2013	B Tech III Year
5	Mr.K.Sudhakar	Mentor Interaction on Communication skills, GD &	22-07-2013	B Tech III Year
6	Mr. Arumugam Tiruvambalam	Career Opportunities for Freshers in Automobile	25-07-2013	B Tech III & IV
7	Mr.Madhukar Parikh	Role of Engineers in Building Nation	14-09-2013	B Tech III & IV
8	Mr.Kishore	Cloud Computing	29-10-2013	B Tech IV Year
9	Mr.Pavan Kumar & Ms. Tejaswani	Android	02-03-2014	B Tech IV Year

ACADEMIC YEAR: 2014-15				
S. No	EXPERT NAME	TOPIC	DATE	Participated students
1	Mr. Hanuman Kamma	The Struggle	19/07/2014	All final year Branches
2	Mr. Sai Krishna, Hotspot	Android Development	24/07/2014	CSE&IT
3	Ms. Manju	Stress Management	08/5/2014	All final year Branches
4	Mr. Abhishek Mitra	Study at Abroad	08/6/2014	All final year Branches
5	Mr. P.Nagendrababu	Data Communication	08/7/2014	CST&IT,EEE,ECE
6	Mr. K.Ramakrishna	GRE,CAT,TOFEL	22/08/2014	All final year Branches
7	M N.NageswaraSarma	C,C++,Java	09/06/2014	CST&IT,EEE,ECE
8	Mr. Sivudu Macharla	Virtual computing	17/09/2014	II <sup>nd</sup> years of CES,IT,ECE,EEE
9	Mr. Naveen Bhagam, Mr. SivaPrasad.P	Industry Expectations	22/09/2014	CSE,IT,EEE,ECE(First years)
10	Mr. Vamsi , Time Institute, HYD	Operating systems, Gate	23/09/2014	CSE,Mech (IIIrd year)

## 33. Teaching methods adopted to improve student learning:

- 1) Faculty prepared PPT
- 2) JNTUK-CoEeRD e-learning
- 3) Black board
- 4) NPTEL Videos

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

S. No.	Year	Event name	Number of students
1	2010	Blood Donation Camp	32
2	2011	Blood Donation Camp	18
3	2012	Clean And Green Programme	07
		Plantation	07
		Literacy Awareness	07
		School drop-outs and sports for children	07
		Free Medical camp	07
4	2013	Blood Donation Camp	25
		Literacy awareness	07
		Free medical camp	07
5	2014	Blood Donation Camp	10

## 35. SWOT analysis of the department and Future plans

**Strengths**

- Well qualified and experienced faculty.
- State-of-the-Art computing facilities
- Well equipped computer centre with CLOUD as well as BIGDATA servers
- Healthy student teacher ratio (STR)
- Air-conditioned seminar Halls, fully equipped with state-of-the-art audio-visual devices.
- High speed internet facility for students & staff.

**Weaknesses**

- Professional skills needs to be further improved among students
- Communication skills among rural based students needs improvement
- Need to Strengthen Research & Development
- 

**Opportunities**

- Online Certifications for Pre-final and Final Year Students can enrich placements.
- MOU for Placement Training with the help of JKC by conducting CRT Classes.

- The new capital city will provide more employment to the outgoing students.
- Funding for R&D facilities to Faculties of the Department can be obtained from UGC/AICTE sources.
- Industrial Collaborations provide sophisticated labs for R& D.
- Digital Library to the students and faculties improve Research and Development in the Institute.
- The college focuses more attention on higher education and research so it benefits Faculties and students.
- The college increases the number of honors courses and programs in order to attract larger number of well prepared students.
- The college expands co-operative relationships/MOUs with other top universities to enable both to be more successful in meeting the needs of students.

**Threats**

- Deemed Universities in neighboring districts hamper the intake of admissions.
- Accredited Colleges/ Universities in neighboring districts hamper the intake of admissions.
- The good and experienced faculty retention will be a problem.

## Evaluative Report

### Department of Information Technology

1. Name of the department: Information Technology
2. Year of Establishment: 2008
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.):

UG: B. Tech in Information Technology

4. Names of Interdisciplinary courses and the departments/units involved:

S.No	Year/Sem	Name of the course	Department Handled
1	I -II	Engineering Drawing	Mechanical Engineering
2	I -II	Engineering Mechanics	Mechanical Engineering
3	I -II	Managerial Economics & Financial Analysis	Master Of Business Administration
4	I -II	Probability & Statistics	Automobile Engineering

5. Annual/semester/choice based credit system (programme wise):  
UG : B.Tech : Semester based credit system and Electives in higher semesters
6. Participation of the department in the courses offered by other departments: Yes

S. No	Name of the Course	Hosting Department
1	Computer Programming	Mechanical Engineering
2	Interactive Computer Graphics	Mechanical Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
8. Details of courses / programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	1	1
Associate Professors	2	2
Assistant Professors	5	5

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil.etc.,)

S. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the last 4 years
1	R Veeranjanyulu	M.Tech	Assoc. Prof.	SE	10	Nil
2	B. Srikanth	M.Tech	Asst. Prof.	CSE	5	Nil
3	S. Srinivasulu	M.Tech	Asst. Prof	CSE	5	Nil
4	G. Sreedevi	M.Tech	Asst. Prof	CSE	3	Nil
5	P. Pavani	B.Tech	Asst. Prof.	CSE	1	Nil
6	K.SaiSusheel	M.Tech	Asst. Prof.	CSE	1	Nil
7	S.Madhumitha	M.Tech	Asst. Prof	CSE	1	Nil
8	Mr. K. Manohara Rao	M.C.A	Asst. Prof	Computer applications	-	Nil

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student-Teacher Ratio (programme wise): UG: 15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 02

	Sanctioned	Filled
Academic support Staff	1	1
Administrative staff	1	1

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Ph.D - 1,  
P.G - 4 ,  
U.G - 3

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre/facility recognized by the University: Nil

## 19. Publications:

## a) Publications of faculty

S. No	Name of the faculty	Publication Type	Publication Title	Publication Details
1	R Veeranjanyulu	IJETAE Journal	A Software Engineering Framework for Next-Generation Cloud Computing	ISSN :2250-2459
2	B Srikanth	IJERT Journal	Dispensing Definite Frequency Schemes for MIMO Systems	ISSN:2278-0181
3	S.Srinivasulu	IJETAE Journal	A Software Engineering Framework for Next-Generation Cloud Computing	ISSN :2250-2459
4	G.Sreedevi	IJARCET	Topology ascendancy in mobile ad hoc networks with accommodating connections	ISSN: 2278 – 1323
		IJARCET	ICCC: Information Correctness to the Customers in Cloud Data Storage	ISSN: 2278 – 1323

## 20. Areas of consultancy and income generated: Nil

## 21. Faculty as members in

- a) National committees : Nil  
 b) International Committees : Nil  
 c) Editorial Board : Nil

## 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/program: 100%  
 b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

## 23. Awards/Recognitions received by students

Academic Year 2010 – 2011(Award Winners)				
S.No	Student name	Event name	Organization	Prize
1	M Pratyusha	Just A Minute	PACE ITS	I
2	M Pratyusha	Black & White	PACE ITS	II
3	M Pratyusha	Extempore	PACE ITS	III

Academic Year 2011 – 2012(Award Winners)				
S.No	Student name	Event name	Organization	Prize
1	P Durga Tej	Poster	Chirala Engg College	III
2	P Durga Tej	Paper Presentation	PACE ITS	II
3	P Durga Tej	Paper Presentation	Krishnaveni Engg	III
4	P Durga Tej	Quiz	Krishnaveni Engg	III
5	D V Avinash	Paper Presentation	Krishnaveni Engg	III
6	D V Avinash	Quiz	Krishnaveni Engg	III
7	G Swathi	Paper Presentation	PACE ITS	Consolatio

## 24. List of eminent academicians and scientists/visitors to the department

S.No	Academic Year	Name of Visitor	Designation and Organization	Purpose
1	2012-13	M H M Krishna Prasad	Associate Professor, University College of Engineering , Vizayanagaram	Guest Lecture
2	2013-14	Dr. C Naga Raju	Associate Professor, Yogi Vemana University, Proddatur.	Guest Lecture

## 25. Seminars/Conferences/Workshops organized &amp; the source of funding

## a) National

S.No	Name of Seminars/Conferences/ Workshops	Duration	Number of Students / Faculty participated	The Source of funding
1	Recent trends in Server Administration	2011-2012	60	INSTITUTE
2	Seminar on Android vs. I Phone	2012-2013	60	INSTITUTE
3	A Three Day Training Program on Windows Mobile App	2014-2015	80/10	INSTITUTE

## b) International: 1

S.No	Name of Seminars/Conferences/ Workshops	Duration	Number of Students / Faculty participated	Source Of Funding
1.	A Two Day International Conference On Recent Trends And Innovations In Engineering And Technology(ICRTIET)	1 <sup>st</sup> , 2 <sup>nd</sup> May – 2015	10/30	INSTITUTE & IRD

## 26. Student profile programme / course wise:

Year	Name of the Course programme	*Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2008 - 2012	B.Tech ( IT )	*	66	37	29	85.45 %
2009 – 2013	B.Tech ( IT )	*	60	36	24	77.77 %
2010 – 2014	B.Tech ( IT )	*	31	14	17	66.67 %
2011 – 2015	B.Tech ( IT )	*	44	20	24	56.7%

\*M=Male \*F=Female

## 27. Diversity of Students

Year of Admission	Name of the Course	%of students from the same state	% of students from other States
2008-2009	B.Tech(IT)	100%	-
2009-2010		100%	-
2010-2011		100%	-
2011-2012		100%	-
2012-2013		-	-
2013-2014		97.30%	2.70%

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S.No	Name of competitive examination	Year	No of students qualified
1	GATE	2012-2013	1
2	GATE	2013-2014	1

## 29. Student progression

## Academic Year: 2013-2014

Student progression	Against % enrolled
UG to PG	20%
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
<b>Employed</b>	
• Campus selection	20%
• Other than campus	15%
Entrepreneurship/ Self-employment	0%



## 30. Details of Infrastructural facilities

## a) Library: Yes,

Dept. Library	-	Yes
Books	-	Yes
Journals	-	Yes
Projects reports & CDs.	-	Yes

## b) Internet facilities for Staff &amp; Students: Yes, All laboratories.

## c) Class rooms with ICT facility: One class room

## d) Laboratories: Four

Lab Name	Usage	Equipment	Total Cost (in Rupees)
Data ware Housing & Hybrid Computing Lab(Room.No:201)	Operating system &Compiler Design Lab	HCL ALPHA 4990 1 GB	12,60,000/-
	Computer Networks & Unix Lab	DDR II RAM 1.8GHZ DUEL CORE PROCESSOR	
	Advanced Data Structures Lab	160 GB HDD 17" MONITOR	
	Object Oriented Programming through C++	PS/2 KEYBOARD OPT MOUSE	
Cloud Computing Lab (Room.No:202)	Data structures lab	18.5" MONITOR 3.06GHZ DUEL CORE PROCESSOR	6,12,000/-
	Free Open Source Software Lab	2 GB RAM 500 GB HDD PS/2 KEYBOARD PS/2 MOUSE	
Computer Lab-2 (Room.No:214)	Computer Programming Lab	INTEL CORE 2 DUEO 3.0GHz PROCESSOR	12,60,000/-
	Advanced Data Structures Lab	2 GB RAM 250 GB HDD	
	IT Workshop Lab	USB KEYBOARD/MOUSE	
Advanced Computing Lab (Room.No:317)	Advanced Java & Web Technologies (AJWT)Lab	18.5" MONITOR 3.06GHZ DUEL CORE PROCESSOR	12,60,000/-
	Unified Modeling Language & Design Patterns (UML&DP)Lab	2 GB RAM 500 GB HDD USB	
	Java Programming Lab	KEYBOARD/MOUSE	

31. Number of students receiving financial assistance from college, university, Government or other agencies

S.No.	Academic Year	Type of Scholar	No. of Students Availed	Amount in Rs.
1	2010-2011	Fee Reimbursement	94	2856400/-
2	2011-2012	Fee Reimbursement	109	3321400/-
3	2012-2013	Fee Reimbursement	77	2338200/-
4	2013-2014	Fee Reimbursement	62	2053800/-

32. Details on student enrichment programmes (special lectures/workshops/Seminar) with external experts

S.No	Year	Name of Expert lecture / seminar / workshop	Number of students attended	Name of external experts	Duration
1	2011	Data Mining & Warehousing	90	Mr K.Ravindra Reddy	1 Day
2	2011	Android & Cloud Computing Tech	90	Mr.Raghunadh	1 Day
3	2011	Advanced Computer Architecture	90	Mr K.Ashok	1 Day
4	2011	5g Communication	90	Mr N.Anjaneyulu	1 Day
5	2012	Core JAVA	95	Mr.Kondareddy & Mr.Samuel	2 Days
6	2012	Journey to corporate & Placement Grooming	95	Subbaraju Pericherla	1 Day
7	2012	Overseas Education & Opportunities	95	Mr. Rajesh	1 Day
8	2013	Cloud Computing	68	Mr.Kishore	1 Day
9	2013	Android	68	Mr.Pavan Kumar & Ms.Tejaswani	2 Days
10	2013	UNIX	68	Mr.Suresh Tanneru	2 Days
11	2014	Android	40	Sai Krishna, mHOTSPOT, vizag, AP	1 DAY

33. Teaching methods adopted to improve student learning:

- 1) Faculty prepared PPT
- 2) JNTUK CoEeRD e-learning
- 3) Black board
- 4) NPTEL Videos

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

S. No	Year	Event name	Number of students participated
1	2010	Blood Donation Camp	22
2	2011	Blood Donation Camp	11
3	2012	Clean and Green Program	6
4		Plantation	6
5		Free Medical Camp	6
6		Literacy awareness	7
7		School Dropouts and Sports for children	6
8	2013	Free Medical Camp	6
9		Blood Donation Camp	16
10		Literacy Awareness	6
11	2014	Blood Donation Camp	9

## 35. SWOT analysis of the department and Future plans

**Strengths**

- Well qualified experienced faculty.
- State-of-the-Art computing facilities
- Well equipped computer centre with CLOUD as well as BIGDATA servers
- High speed internet facility for students & staff

**Weaknesses**

- R & D Work to be strengthened
- Institute and Industry interaction process should be improved
- Communication skills among rural based students needs improvement

**Opportunities**

- To undertake java or other technology based project work from various organizations.
- Aim for Fully Residential Campus.
- Providing Online Certifications for Pre-final and Final Year Students.

**Threats:**

- Unstable software industry creates a feeling of insecurity among the students.

## Evaluative Report

### Department of Automobile Engineering

1. Name of the department: Automobile Engineering
2. Year of Establishment : 2010
3. Names of Programmers: B. Tech. in Automobile Engineering
4. Names of Interdisciplinary courses and the departments/units involved: Yes

S .No.	Year/Sem	Name of the course	Hosting Department
1	II/I	Basic Electrical & Electronics Engineering	Electrical & Electronics Engineering
2	IV/I	Cyber Laws	Computer Science Engineering
3	II/I	Managerial Economics & Financial Analysis	Master of Business Administration
4	III/I	IPR & Patents	Master of Business Administration

5. Annual/ semester/ choice based credit system (programme wise):  
B.Tech. -: Semester based credit system & Electives in Higher Semesters
6. Participation of the department in the courses offered by other departments

S .No.	Name of the course	Hosting Department
1	Thermodynamics	Mechanical Engineering
2	CAD/CAM	Mechanical Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of teaching posts: 12

	Sanctioned	Filled
Professors	1	1
Associate Professors	2	2
Asst. Professors	9	9

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	Sk. Abdul Khadeer	M.Tech	Professor	Production	13
2	K.V.Narasaiah	M.Tech.	Assoc. Professor	Machine Design	13
3	Ch.Ramesh	M.Tech.	Assoc. Professor	CAD/CAM	6
4	V.Ranjith kumar	M.Tech.	Asst. Professor	Machine Design	3
5	M. Anil Kumar	M.Tech.	Asst. Professor	Machine Design	6
6	P Venkata Narayana	M.Tech.	Asst. Professor	Machine Design	4
7	P Subhash Reddy	M. Tech.	Asst. Professor	Thermal Engg.	2
8	R. Divya bharathi	B.Tech.	Asst. Professor	Mechanical Engineering	2
9	V Siva Prasad	B.Tech.	Asst. Professor	Mechanical Engineering	1
10	K. Kalyani	B.Tech.	Asst. Professor	Mechanical Engineering	1
11	G.Gangadhar	B.Tech.	Asst. Professor	Mechanical Engineering	2
12	K.Spandana	B.Tech.	Asst. Professor	Mechanical Engineering	0

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student -Teacher Ratio (programme wise) – 15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Academic support staff (Technical)	2	2
Administrative staff	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

PG : 7 UG. : 5

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publications of faculty

S. No.	Name of the Author	Paper particulars
1	K.V.Narasaiah	1. Design and Analysis of Dry cylinder liners, IJERT
2	Ch. Ramesh	1. "Internet Controlled Robots" in International Journal of Engineering Research and Development. Volume4, Issue11. 2. "Design Optimization of Leaf Spring" International Journal of Engineering Research and Applications(IJERA) Volume5, Issue 4. 3. Fabrication and mechanical properties of iron slag matrix composite materials" in international journal of Engineering Reasearch and Applications (IJERA). Volume 5, Issue4.
3	M. Anil Kumar	1. "Internet Controlled Robots" in International Journal of Engineering Research and Development. Volume4, Issue11. 2. "Design Optimization of Leaf Spring" International Journal of Engineering Research and Applications(IJERA) Volume5, Issue 4. 3. Fabrication and mechanical properties of iron slag matrix composite materials" in international journal of Engineering Reasearch and Applications (IJERA). Volume 5, Issue4.

20. Areas of consultancy and income generated: Nil

21. Faculty as members in:

- a) National committees : Nil
- b) International Committees : Nil
- c) Editorial Boards.... : Nil

22. Student projects:

- a) Percentage of students who have done in-house projects including inter departmental/programme: 60%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 40%

23. Awards / Recognitions received by students:

S. No.	Name Of The Student	Event Name	Name of the College	Prize Won
1.	K.Tirumala	Global mahostav-2013	Samuel George Engineering College	1 <sup>st</sup>
2.	L.Krishan sagar reddy	PPT	Sesi institute of technology sciences	1 <sup>st</sup>

## 24. List of eminent academicians and scientists / visitors to the department:

S. No	Year	Name of the Visitor	Designation	Address	Purpose of the visit
1	2015	Pakirappa	Assoc. professor	Hydrabad-50082	Guest lecture
2	2014	Mr. Kota Pavan Kumar	Junior Engineer	Oppt. Sai baba temple lawyer pet,ongole	Guest lecture
3	2014	Mr. P.Bala Subramanyam	Construction Manager	ESSAR Project (I) Ltd, Mumbai	Guest lecture
4	2014	Venkateswara Rao	Ex-Manager, SEMENS	Goutam Nagar, Vepagunta, vizag	Guest lecture
5	2014	Mr. S. Vamsi Krishna	Manager	Manager, CFD anlyst, TATA Motors,Pune	Guest lecture

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding

## a) National:

S.NO.	Name of Seminar/workshop/conference	Date	Source of funding
1	II law of Thermodynamics& Entropy	24-8-2013	Institute
2	Recent trend's automobile	24-8-2014	Institute
3	Alternative flues	24-8-2014	Institute
4	IC Engineer	5-2-2014	Institute

## b) International : Nil

## 26. Student profile programme/course wise:

Year	Name of the Course/ programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2010-14	Automobile Engineering	40	35	35	0	40%
2011-15	Automobile Engineering	31	28	26	2	35%

\*M = Male \*F = Female

## 27. Diversity of Students

Name of the Course	Year of Admission	% of students from the same state	% of students from other States	% of students from abroad
B. Tech. in Automobile Engineering	2014	100%	Nil	Nil
B. Tech. in Automobile Engineering	2013	100%	Nil	Nil
B. Tech. in Automobile Engineering	2012	100%	Nil	Nil
B. Tech. in Automobile Engineering	2011	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : Nil

## 29. Student progression:

Student progression	Against % enrolled
UG to PG	6%
<b>Employed</b>	35%
• Campus selection	22%
• Other than campus recruitment	13%
Entrepreneurship/Self-employment	Nil

## 30. Details of Infrastructural facilities

- a) Library - Available
- b) Internet facilities for Staff & Students - Available  
Bandwidth -24 mbps and company-BSNL
- c) Class rooms with ICT facility: 1 Class room with LCD facility
- d) Laboratories: 4

S.No	Lab Name	Area in (m <sup>2</sup> )	Total cost(Rs)
1	Automotive Engines lab	110	6,96,110 /-
2	Heat transfer lab	71.34	303,100 /-
3	Auto Scanning & Vehicle Testing lab	110	2,23,450/-
4	Automobile Engineering lab-II	110	65,600/-



31. Number of students receiving financial assistance from college, university, government or other agencies

S. No.	Academic Year	Type of Assistance	Number of Students	Total Amount
1	2014-15	Government	----	----
2	2013-14	Government	99	3526300/-
3	2012-13	Government	51	1613800/-
4	2011-12	Government	31	961000/-
5	2010-11	Government	19	589000/-

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts- **Nil**

33. Teaching methods adopted to improve student learning:

- Power point presentation
- LCD Projector
- BLACK BOARD
- NPTEL
- Digital library
- Self learning
- Encouraging the students to give seminars and motivate them to participate in technical quiz
- Involving students to do mini projects
- Organizing communication skills development classes

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

S. No.	Event name	No. of students participated	Date
1	Blood Donation	8	26-02-2010
2	Blood Donation	10	01-10-2010
3	Blood Donation	7	07-04-2011
4	Clean & Green	6	05-01-2012
5	Plantation	6	05-01-2012
6	School dropouts & sports for children	6	06-01-2012
7	Literacy awareness	5	07-01-2012
8	Free medical camp	6	09-01-2012
9	Blood Donation	7	11-01-2013
10	Blood Donation	9	01-10-2013
11	Blood Donation	7	03-04-2014
12	Aids awareness programme	5	01-12-2014
13	Anti corruption camp	7	09-12-2014
14	Cancer awareness programme	9	04-02-2015

### 35. SWOC analysis of the department and Future plans

#### **Strengths**

- Highly qualified and experienced faculties.
- Well-equipped laboratories.
- Special attention to the poor students.

#### **Weaknesses**

- Attrition should be improved.
- Industry institute interaction, R&D consultancy to be improved.
- Communication skills of the student needed to improve.

#### **Opportunities**

- Training and placement programs for all the year students.
- In house GATE/GRE/TOFEL training guidance cell.

#### **Challenges**

- Very rare programme in this region and is very difficult to attract the campus placements.
- Not much priority is given as the students are not much aware of the programme.

## Evaluative Report

### Department of Master of Business Administration

1. Name of the department : Master of Business Administration
2. Year of Establishment : 2009
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):  
PG - Master of Business Administration
4. Names of Interdisciplinary courses and the departments/units involved:

S. No.	Name of the course	Department handled
1	Information Technology Lab	Computer Science & Engineering

5. Annual/ semester/choice based credit system (programme wise):

Semester based System with electives

6. Participation of the department in the courses offered by other department

S. No.	Name of the course	Hosting Department	Year and semester
1	Managerial Economics and Financial analysis	ECE, CSE, MECH,IT,AUTO,CIVIL	II-I, II-II
2	Management Science	ECE, CSE, MECH,IT,AUTO,CIVIL	III-II, II-II
3	Professional Ethics and Human values	ECE, CSE, MECH,IT,AUTO,CIVIL	I-I, I-II
4	Intellectual Property Rights	ECE, CSE, MECH,IT,AUTO,CIVIL	III-I

7. Courses in collaboration with other universities, industries, foreign institutions, etc. –Nil
8. Details of courses/programmes discontinued (if any) with reasons - Nil
9. Number of Teaching posts

Designation	Sanctioned	Filled
Professors	02	02
Associate Professors	04	04
Asst. Professors	14	14

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.,)

S. No	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	Dr.V.V.Rao	M.Com, MBA (Marketing), MBA (Finance), MBA (HRM), M. Phil, Ph. D.,	Professor	Finance	30
2	Dr. MVS Sudhakar	MBA, M. Com, M.Phil, Ph.D	Professor	Finance	11
3	Dr.A.Srikanth	B.Tech. MMS, Ph.D	Associate Professor	Marketing	10
4	Ch.Sreenivasa Rao	M.Com, LLB, MBA, PGDFM,(PH.D)	Associate Professor	Accounting and Finance	17
5	S. Jagadeesh	MBA	Associate Professor	Finance	13
6	T Mary Jones	MBA	Associate Professor	Finance	11
7	Ch.Hanuma Jyothi	MHRM, MBA, M.Phil	Assistant Professor	Marketing	8
8	Ch.Vijay Kumar	MBA	Assistant Professor	Human Resource Management	05
9	T.L.Sravani Kumari	MBA	Assistant Professor	HRM	04
10	D.Pushpasri	MBA	Assistant Professor	Marketing	01
11	M.Pameswari	MBA	Assistant Professor	Marketing	01
12	J. Sravani	MBA	Assistant Professor	HRM	01
13	B.Rajesh	MBA	Assistant Professor	HRM	01
14	M. Revathi	MBA	Assistant Professor	Marketing	01
15	K. Divya	MBA	Assistant Professor	HRM	00
16	K.Roopa	MBA	Assistant Professor	Finance	02
17	K. Sai Alekhya	MBA	Assistant Professor	Finance	00
18	V. Srihari	MBA	Assistant Professor	Marketing	13
19	N V Ramanaiah	MBA	Assistant Professor	Finance	06
20	M V Venu Babu	MBA	Assistant Professor	Marketing	02

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student -Teacher Ratio (programme wise) : 15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled - Nil

<b>Administrative Staff</b>	<b>Sanctioned</b>	<b>Filled</b>
Administrative Staff	02	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

Ph. D. - 03

PG - 17

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received - Nil

18. Research Centre /facility recognized by the University - Nil

19. Publications:

\* a) Publication of faculty

<b>S. No.</b>	<b>Faculty Name</b>	<b>Paper/Book Title</b>	<b>Events/Journals/Publisher</b>
1	Dr. V. Venkateswara Rao	Talent Management	Aug 2013, HRD Journal
2	Dr. V. Venkateswara Rao	Business Simulations	Dec 2013, HRD Journal
3	Dr. V. Venkateswara Rao	Globalisation of Indian Financial Sector	June 2013, HRD Journal 16-17 Pages
4	Dr. V. Venkateswara Rao	FDI in India – Issues and Challenges	March 2013, HRD Journal
5	Dr. V. Venkateswara Rao	Emerging trends in Foreign – A Paradigm Shift	IFRSA Business Review
6	Dr. V. Venkateswara Rao	Procurement of Quality Collaboration in Supply Chain Management	TES Print
7	Dr. V. Venkateswara Rao	E Banking Services – Customer Satisfaction	TES Print
8	Dr. V. Venkateswara Rao	Corporate Governance – Emerging trends and global challenges in India	Jan 2013, HRD Journal
9	Dr. V. Venkateswara Rao	Online Trading in Foreign Trade	IBR Vol.4 Issue 2.

10	Dr. V. Venkateswara Rao	Research in Banking Industry	IBR ISSN No. 6776, Page No. 5-6
11	Dr. V. Venkateswara Rao	Technology Management in Banks	Archers & Elevators Publishing House ISBN: 971-81923134-8-1
12	Dr. V. Venkateswara Rao	Risk and Insurance Management – Contemporary issues and challenges	UGC & ICSSR Sponsored International Seminar – Osmania University, 22 & 23 Dec, 2012
13	Dr. V. Venkateswara Rao	Corporate Governance – Emerging Issues and global challenges – Indian Scenario	UGC Sponsored International Seminar – S. V. University, 30 & 31 Jan, 2013
14	Dr. V. Venkateswara Rao	Industrial Relations and Globalisation – Challenges for employees and their organizations	UGC Sponsored International Seminar – Acharya Nagarjuna University, 07 & 08 Feb, 2015
15	Dr. V. Venkateswara Rao	Research Issues in Business Management	National Seminar – St. Anns Engineering College, Chirala – 8 <sup>th</sup> March, 2013
16	Dr. V. Venkateswara Rao	Banking and Financial Literacy – A Need of the hour	National Seminar – Sree Vidyanikethan Institute of Management, Tirupati. – 26-27 Feb, 2014
17	Dr. V. Venkateswara Rao	Corporate Governance in Indian Banking Sector	National Seminar – Sree Vidyanikethan Institute of Management, Tirupati. – 26-27 Feb, 2014
18	Dr. V. Venkateswara Rao	Challenges in HR Management	UGC Sponsored Work Shop – A. N. U. P. G. Centre, Ongole, 8 <sup>th</sup> March, 2014.
19	Dr. V. Venkateswara Rao	Corporate Governance In Insurance Sector In India	UGC Sponsored National Seminar – A. N. U. P. G. Centre, Ongole, December, 2014.
20	Dr. V. Venkateswara Rao	Awareness on Entrepreneur Development Cell	Work Shop organized by JNTUK, EDC Cell.
21	Dr. V. Venkateswara Rao	Financial Inclusion – A major challenge for Banks	Publication in Printing
22	Dr. V. Venkateswara Rao	The Impact of marketing communication on buying behavior of women – A study.	Publication in Printing
23	Dr. V. Venkateswara Rao	Customer Relationship management in banks – A tool of converting customer need into	Publication in Printing

		business opportunities.	
24	Dr. V. Venkateswara Rao	Investing Practices in corporate finance – A comparative analysis in Indian service sector with reference to banking and IT sectors of India	Publication in Printing
25	Dr. V. Venkateswara Rao	Customer Relationship Management In Retail Banking - A Paradigm Shift	Publication in Printing
26	Dr. M. V. S. Sudhakar	Role and Challenges of HR in Indian Call center Industry	Zenith International Journal of Multidisciplinary Research, Vol.3(4), April (2003), ISSN 2231-5780.
27	Dr. M. V. S. Sudhakar	A literature based study on causes and consequences of Occupational Stress among Call center agents	Asia pacific journal of Marketing & Management Review, Vol.2(4), April (2013), ISSN 2319-2836.
28	Dr. M. V. S. Sudhakar	Occupational Stress and turnover intentions among call center agents – a study”.	Pezzottaite Journals
29	Dr. M. V. S. Sudhakar	A study on extent of impact shown by the occupational stressors on various types of consequences among call center agents	IFRSA Business Review
30	Dr. M. V. S. Sudhakar	Post Recession challenges for corporation- An alert	NHRD Newsletter Vol.25, Feb 2010, Issue 11, ISSN No. 0974 - 1720
31	Dr. M. V. S. Sudhakar	Attrition in Educational Institutions	NHRD Newsletter Vol.25, March 2010, Issue 11, ISSN No. 0974 - 1720
32	T. Mary Jones	Industrial Relations with reference to Maruti Udyog Ltd.	Conference Proceedings of AICTE Sponsored International Conference on Industrial Relations and Globalisation organised by Acharya Nagarjuna University on Feb 5 <sup>th</sup> to 8 <sup>th</sup> , 2015.
33	T. Mary Jones	Resiliency	IBMR Wakad's Journal of Management Research ISSN No:2349-8722, April – September 2015, Issue – 2.

- b) Number of papers published in peer reviewed journals  
(national / international) by faculty - 33

20. Areas of consultancy and income generated – Nil

21. Faculty as members in

- a) National committees b) International Committees  
c) Editorial Boards.... : Nil

22. Student projects

- a) Percentage of students who have done in-house projects  
including inter departmental/programme – 0%  
b) Percentage of students placed for projects in organizations outside the  
institution i.e.in Research laboratories/Industry/ other agencies – 100%

23. Awards / Recognitions received by students

S. No.	Name of the Student	Event Name	Date	Name of the Institute	Prize detail
1	B.Satyavathi	EDP programme	15-09-2014	JNTUK, University	1 <sup>st</sup> prize
2	K.S.M.Surya	Management meet at LBKR	26-07-2014	LBKR, Mylavaram	3 <sup>rd</sup> prize
3	Venkata venu babu	Enhancing competitive advantage through strategic HRM	11-04-2012	Rao & Naidu Engineering College, Ongole	3 <sup>rd</sup> prize
4	M.V.Venu babu	Bizbash-2012	26-04-2012	RISE Gandhi Engineering College, Ongole	Young manager
5	M.V.Venu babu	EVINCE2K11	10-12-2011	Rao & Naidu Engineering College, Ongole	1 <sup>st</sup> prize
6	M.V.Venu babu	VAIBAV-2012	14-02-2012	LBKR, Mylavaram	1 <sup>st</sup> prize
7	M.V.Venu babu	QISTOS-2KB	18-03-2011	QIS Engineering College, Ongole.	2 <sup>nd</sup> prize
8	M.V.Venu babu	VEDAM-2011	11-03-2011	RISE Gandhi Engineering College, Ongole	2 <sup>nd</sup> prize



## 24. List of eminent academicians and scientists / visitors to the department

S. No.	Name of the Visitor	Designation	Organization	Date	Purpose of the Visit
1	Dr.P.Subbaiah	Professor	SSN engineering college	12-12-2012	Guest Lecture
2	Dr.N.Madhava Rao	Associate professor	Rise engineering college	08-06-2012	Seminar
3	Dr.S T K charyulu	Professor and HOD	Rise institute of technology and sciences	10-12-2012	Guest Lecture
4	Dr.V.K.Bhaskara Rao	Professor and Dean	VRS & YRN PG college	10-04-2012	Guest Lecture
5	Dr.P.Hari babu	Associate professor	Nagarjuna university PG center, Ongole	12-09-2013	Guest Lecture
6	Dr.K.Sivaji	Associate professor	Nagarjuna university PG center, Ongole	08-06-2013	Guest Lecture
7	Dr.B.Sreenivasa rao	Professor	QIS college of Engineering & Tech.	07-02-2013	Guest Lecture
8	Dr.U.S.Rao	Associate Professor	SSN Engg.College	10-07-2014	Guest Lecture

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding

## a) National – 03

S. No.	Workshop / Conference / Seminars	Duration	Participants	Sources of Funding
1	Srujana 2K14	Apr 11, 2014	Students pursuing MBA`	Institute
2	Pedagogy approaches in undergraduate programme	Sep, 29 <sup>th</sup> , 2014	Faculty of various Engineering colleges	Institute
3	Srujana 2K15	21 <sup>st</sup> , Feb 2015	Students pursuing MBA	Institute

## b) International - Nil

## 26. Student profile programme/course wise:

year	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2009 – 11	MBA	*	57	23	34	100
2010 – 12	MBA	*	60	27	33	100
2011 – 13	MBA	*	109	67	42	100
2012 – 14	MBA	*	115	72	43	100

\*M = Male \*F = Female

## 27. Diversity of Students

Name of the Course	Academic Year	% of students from the same state	% of students from other States	% of students from abroad
MBA	2009 - 11	57 (100%)	00	0
MBA	2010 – 12	60 (100%)	00	0
MBA	2011 – 13	109 (100%)	00	0
MBA	2012 – 14	115 (100%)	00	0
MBA	2013 - 15	106 (100%)	00	0
MBA	2014 - 16	158 (99.3%)	1 (0.6%)	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? – Nil

## 29. Student progression

Student progression	Against % enrolled
UG to PG	Nil
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
<b>Employed</b>	9%(2014) 5 % (2013) 10% (2012)
• Campus selection	8% (2011) 6% (2010)
• Other than campus recruitment	
Entrepreneurship/Self-employment	04%

## 30. Details of Infrastructural facilities

- a) Library: Yes
- b) Internet facilities for Staff & Students: available, 24 mbps bandwidth.
- c) Class rooms with ICT facility Class room with LCD Projector: 02 Nos
- d) Laboratories: Nil

## 31. Number of students receiving financial assistance from college, university, government or other agencies

S. No.	Academic Year	Type of Scholarship	Number of students Availed	Amount
1	2014-15	Government Reimbursement	208	
2	2013-14	Government Reimbursement	161	5380200
3	2012-13	Government Reimbursement	161	4347000
4	2011-12	Government Reimbursement	107	2889000
5	2010-11	Government Reimbursement	66	1782000

## 32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

S. No.	External Expert Name	Designation/Institute or Organization	Date	Expert talk detail
1	B.Venkateswara Rao	M/S Keerthi Industries, Hyderabad	8 <sup>th</sup> , April, 2015	HR practices in current scenario
2	Dr.V.K.Bhaskara Rao	Associate Professor, VRS & YRN PG college, Chirala	02-08-2012	Role of ombudsmen in banking sector
3	Dr.N.Madava Rao	Professor, Rise Institute of Technology & Sciences, Ongole	10-05-2012	Business secrets and individual approach
4	Dr.S T K Chariyulu	Professor, Rise Institute of Technology & Sciences, Ongole	08-01-2012	Business accounting concepts – an overview

## 33. Teaching methods adopted to improve student learning

1. Chalk & Talk
2. Power point presentation
3. Case study methodology
4. Seminars
5. Video presentations

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

S. No.	Event	Date(s)	Number of student participated	Details
1	Blood donation camp	26/02/2010	19	PITS
2	Blood donation camp	1/10/2010	14	PITS
3	Blood donation camp	7/4/2011	17	PITS
4	Blood donation camp	11/1/2013	9	PITS
5	Blood donation camp	1/10/2013	11	PITS
6	Blood donation camp	3/4/2014	12	PITS
7	Clean and Green Programme	5/1/2012	2	PITS
8	Plantation	5/1/2012	3	PITS

## 35. SWOC analysis of the department and Future plans

**Strengths**

- Highly Qualified faculty.
- Highly committed students for self development.
- Co-operative attitude of the management.

**Weakness**

- Industry academic interaction is at low level.
- Students' communication skills are poor.

**Opportunities**

- Good number of MoU with the industries for practical exposure of the students and industry institute interactions.
- Good opportunities for the budding MBA graduates as the state is newly formed and more development to be taken up.

**Challenges**

- More number of colleges as the policies of the government.
- Molding the rural students for the global market.



# PACE

**INSTITUTE OF TECHNOLOGY & SCIENCES**

**An ISO 9001-2008 Certified Institution**

(Approved by AICTE, NEW DELHI & Govt. of Andhra Pradesh, Affiliated to J.N.T.U., Kakinada)

NH-5, Near Valluramma Temple, **ONGOLE**, Prakasam Dt. - 523 272

Ph : 08592 - 278315, 9703020577 Website : [www.pace.ac.in](http://www.pace.ac.in)

**Dr. C.V. Subba Rao**, M.Tech., Ph.D.,  
Principal

**Date: 27/05/2015**

### **Declaration by the Head of the Institution**

I hereby certify that the data included in the Self Study Report (SSR) is true to the best of my knowledge. This SSR is prepared by the institute 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.

Principal

Place: Ongole

Principal  
PACE INSTITUTE OF TECHNOLOGY & SCIENCES  
NH-5, Near Valluramma Temple, ONGOLE - 523 272



*All India Council for Technical Education*  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 002  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. South-Central/1-2454913736/2015/EOA

Date: 07-Apr-2015

To,  
The Principal Secretary  
(Higher Education) Govt. of Andhra  
Pradesh, J Block, 4th Floor, Secretariat  
Building, Hyderabad-500022

**Sub: Extension of approval for the academic year 2015-16**

Ref: Application of the Institution for Extension of approval for the academic year 2015-16

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	South-Central	Application Id		1-2454913736
		Permanent Id		1-4290161
Name of the Institute	PACE INSTITUTE OF TECHNOLOGY AND SCIENCES	Institute Address		NH5, NEAR VALLURAMMA TEMPLE, VALLURU-523272, TANGUTUR(M), PRAKASAM DIST, ANDHRA PRADESH, ONGOLE, PRAKASAM, Andhra Pradesh, 523272
Name of the Society/Trust	SRINIVASA EDUCATIONAL SOCIETY	Society/Trust Address		D.NO.7-5-26/1,OPP. GAYATRI MANDIR LANE, MANGAMUR DONKA,ONGOLE,PRAKASAM,Andhra Pradesh,523001
Institute Type	Unaided - Private			

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2015-16  
Application Number: 1-2454913736\*

Page 1 of 5

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:12 April 2015

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-2454913736			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration/Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	MACHINE DESIGN	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	POWER ELECTRONICS AND CONTROL	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	STRUCTURAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI AND EMBEDDED SYSTEMS DESIGN	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AUTOMOBILE ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	180	180	NA	NA	NA

Application Number: 1-2454913736\*

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Application Id: 1-2454913736			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaborative Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	180	180	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	DIPLOMA	CIVIL ENGINEERING	FULL TIME	State Board of Technical Education and Training, Hyderabad	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	State Board of Technical Education and Training, Hyderabad	60	60	NA	NA	NA

Application Number: 1-2454913736\*

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Application Id: 1-2454913736			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	2nd Shift	DIPLOMA	MECHANICAL ENGINEERING	FULL TIME	State Board of Technical Education and Training, Hyderabad	120	120	NA	NA	NA
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	180	180	NA	NA	NA

Note: Validity of the course details may be verified at [www.aicte-india.org](http://www.aicte-india.org)>departments>approvals

The above mentioned approval is subject to the condition that PACE INSTITUTE OF TECHNOLOGY AND SCIENCES shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

**Dr. Avinash S Pant**  
**Actg Chairman, AICTE**

Copy to:

- The Regional Officer,**  
All India Council for Technical Education First  
Floor, old BICARD Building Jawaharlal Nehru  
Technological University

Application Number: 1-2454913736\*

Page 4 of 5

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:12 April 2015

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*All India Council for Technical Education*  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001

Masab Tank, Hyderabad-500076

2. **The Director Of Technical Education,**  
Andhra Pradesh
3. **The Registrar,**  
Jawaharlal Nehru Technological University, Kakinada
4. **The Principal / Director,**  
PACE INSTITUTE OF TECHNOLOGY AND SCIENCES  
NH5, NEAR VALLURAMMA TEMPLE, VALLURU-523272, TANGUTUR(M), PRAKASAM DIST,  
ANDHRA PRADESH,  
ONGOLE,PRAKASAM,  
Andhra Pradesh,523272
5. **The Secretary / Chairman,**  
SRINIVASA EDUCATIONAL SOCIETY  
D.NO.7-5-26/1,OPP. GAYATRI MANDIR LANE,  
MANGAMUR DONKA,  
ONGOLE,PRAKASAM,  
Andhra Pradesh,523001
6. **Guard File(AICTE)**

Application Number: 1-2454913736\*

Page 5 of 5

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:12 April 2015

Printed By : AE861581

Grams: "TECHNOLOGY"  
Email: registrar@jntuk.edu.in



Phone: Off: 0884 -2300900  
Fax: 0884 -2300901

PROCEEDINGS OF THE  
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
**KAKINADA-533003, Andhra Pradesh (India)**  
(Established by Andhra Pradesh Act No. 30 of 2008)

Proc.No. B1/Aff/PACE ITS-KQ/2014-15

Date: 03.01.2015

- Sub: JNTU Kakinada – Academic & Planning – Grant of Temporary Affiliation for the academic year 2014-15 to **"Pace Institute of Technology & Science, Vallur Village (NH-5), Ongole – 523 001, Prakasam District, Andhra Pradesh"** – Orders – Issued.
- Read: 1. Univ. Proc.No. B1/Aff/PACE ITS-KQ/2014-15, date: 03.01.2015  
2. Univ. Proc.No. B1/Aff/PACE ITS-KQ/2014-15, dated: 07.08.2014  
3. AICTE Lr. No. South - Central /1-2018920552/2014/EOA, dt. 04.06.2014.  
4. Note orders of Hon'ble Vice – Chancellor i/c, JNTUK Kakinada.

\*\*\*

**ORDER:**

1. The "Pace Institute of Technology & Science, Vallur Village (NH-5), Ongole – 523 001, Prakasam District, Andhra Pradesh" was given temporary affiliation for running degree course during the academic year 2014-15 vide Procs.(1) read above.
2. The AICTE, New Delhi and Government of AP have accorded extension of approval to the above college for the academic year 2014-15 vide ref.(3) read above. The University has constituted a Fact Finding Committee to verify the staff and infrastructures facilities of the college to consider the grant of Temporary affiliation for the academic year 2014-15. The Fact Finding Committee has visited the college and submitted its report to the University Affiliation Committee. The Committee has verified the report and other documents and made recommendations for affiliation for the academic year 2014-15.
3. Under the circumstances as stated above, the Vice-Chancellor i/c is pleased to grant **Temporary Affiliation** to "Pace Institute of Technology & Science, Vallur Village (NH-5), Ongole – 523 001, Prakasam District, Andhra Pradesh" sponsored by "Srinivasa Educational Society, D.No.7-5-26/1, Opp Gayathri Mandir Lane, Mangamuru Donka, Ongole, Prakasam District, Andhra Pradesh" to offer Degree Course in the following disciplines with the intake shown against each for the Academic Year 2014-15 as detailed below:-


*Contd...2p*

--2--

S. No	Name of the Course	Intake
1	Computer Science & Engineering	120
2	Electronics & Communication Engineering	180
3	Electrical & Electronics Engineering	60
4	Information Technology	60
5	Mechanical Engineering	120
6	Civil Engineering	180
7	Automobile Engineering	60
8	MBA	180
9	M.Tech-Computer Science & Engineering	18
10	M.Tech-Power Electronics and control	18
11	M.Tech-VISI & Embedded Systems Design	18
12	M.Tech- Machine Design	18
13	M.Tech- Structural Engineering	18

The temporary affiliation shall be subject to the following conditions:

1. The management shall follow the norms of AICTE and rules of the affiliation of JNT University Kakinada in all aspects.
2. The management shall follow the Academic Regulations and examination schedule of JNT University Kakinada.

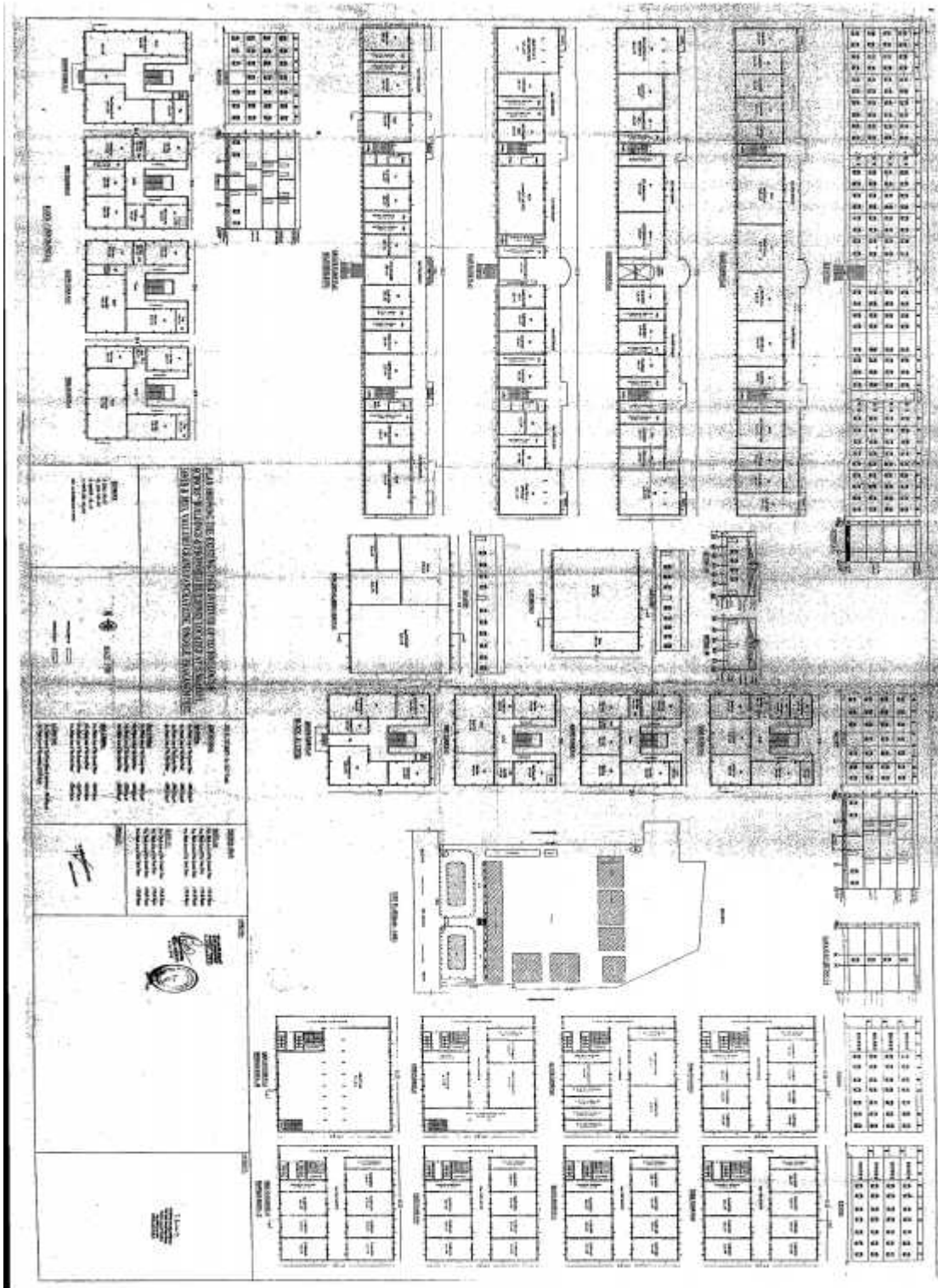
  
REGISTRAR

To  
The Principal,  
Pace Institute of Technology & Science,  
Vallur Village (NH-5),  
Ongole – 523 001,  
Prakasam District,  
Andhra Pradesh

Copy to:

The Chairman/Secretary, Srinivasa Educational Society, D.No.7-5-26/1, Opp Gayathri Mandir Lane, Mangamuru Donka, Ongole, Prakasam District, Andhra Pradesh.  
The Principal Secretary to Government Higher Education (EC.2) Dept., Govt. of Andhra Pradesh, Secretariat, Hyderabad.  
The Secretary, A.P. State Council of Higher Education, Saifabad, Hyderabad-4.  
The Commissioner of Technical Education, SBRKR Govt. Office Complex, Hyderabad.  
The Secretary, All India Council for Technical Education, New Delhi – 110002.  
The Asst. Educational Advisor (T), Southern Regional Committee, AICTE, Ministry of Human Resource Development (Dept. of Education), Shastry Bhavan 26, Haddous Road, Chennai – 600006.  
Copy to the Director of Evaluation, JNTU Kakinada.  
Copy to the Director of Academics & Planning, JNTU Kakinada.  
Copy to P.A. to Chairman, Andhra Pradesh State Council of Higher Education.  
Copy to the PA to the Vice-Chancellor i/c, JNTU Kakinada.  
Copy to the PA to the Rector JNTU Kakinada.  
Copy to the PA to the Registrar, JNTU Kakinada.

**Building Plan:**



### Route Map

- Two Hours Drive from Vijayawada.
- Four Hours Drive from Chennai.

Nearest Air Ports.



Think Placements...  
Think PACE...



# PACE

INSTITUTE OF TECHNOLOGY & SCIENCES

NH-5, Near Valluramma Temple, ONGOLE, Prakasam Dist., Pin - 523 272, A.P

PACE GROUP



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