

# INSTITUTIONAL ACCREDITATION SELF STUDY REPORT (SSR)

Submitted to

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

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

by



## **SRI VASAVI ENGINEERING COLLEGE**

(APPROVED BY AICTE, NEW DELHI & ACCREDITED BY NBA)

(PERMANENTLY AFFILIATED TO JNTUK, KAKINADA)

PEDATADEPALLI, TADEPALLIGUDEM - 534101, W.G.DIST.(A.P)

Website: [srivasaviengg.ac.in](http://srivasaviengg.ac.in) Fax: 08818 - 284322 Ph : 08818 - 284355

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**PART-B**  
**Executive Summary**

## EXECUTIVE SUMMARY

### 1. GENESIS OF THE INSTITUTE:

Sri Vasavi Engineering College(SVEC), Tadepalligudem, sprang up in the year 2001 from the efforts of a group of committed individuals who came together as Sri Vasavi Educational Society, with the aim of bringing top notch technical education to the door step of rural student community.

This society was founded by 18 member group of top businessmen with a motto to provide quality education on non-commercial lines in the fields of Engineering & Technology, and Pharmacy. The management of Institutions is looked after by Chairman of the Society, Sri G. Satyanarayana and the Secretary & Correspondent Sri Ch.V. V. Subba Rao. The Chairman of the Board of Governors of SVEC is Sri O.P. Goenka, Managing Director of 3F Industries Ltd. Tadepalligudem.

### 2. THE PROGRESSION:

The college was started in the year 2001 with only three branches – ECE, CSE and IT with a moderate intake of 180. Over the years the college has made great strides and grown by leaps and bounds with the development of infrastructure, addition of new courses at both UG and PG levels, induction of talented and experienced faculty and creating an ambience where academics take the top most priority. At present, it is offering 6 UG programs in Civil, Mechanical, ECE, EEE, CSE & IT with a total intake of 720, and 5 PG programs in Digital Electronics & Communication Systems(DECS), VLSI, Computer Science & Engineering(CSE), Power System Control & Automation(PSCA), Machine Design(MD) with an annual intake of 18 for each specialization and Power Electronics (PE) with an annual intake of 36 apart from other PG programmes namely, MBA and MCA. The institute has always strived to provide quality education and got **AICTE-NBA** accreditation for four UG Programmes. The college has also been granted **Permanent Affiliation** by JNTUK, Kakinada. College is included in the list of colleges under sections **2(f) & 12(B)** of the UGC Act 1956.

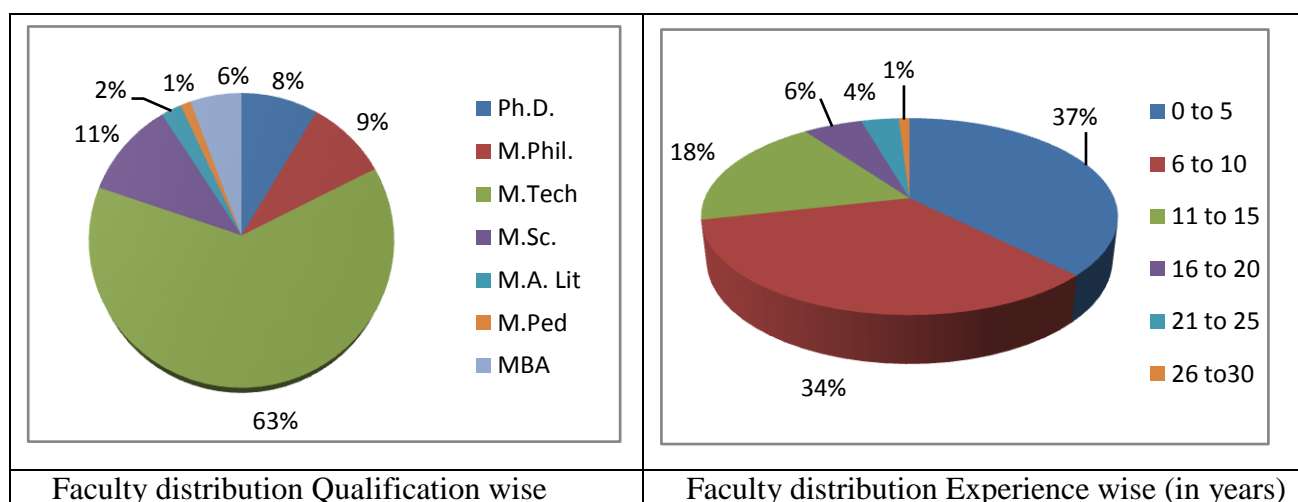
#### Increase of sanctioned intake over the years

Course	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
B.Tech.(ECE)	60	60	60	60	120	120	120	120	120	120	120	120	180	180
B.Tech.(EEE)	0	60	60	60	60	60	60	60	60	60	120	120	120	120
B.Tech.(CSE)	60	60	60	60	60	120	120	120	120	120	120	120	180	180
B.Tech.(IT)	60	60	60	60	60	60	120	120	120	60	60	120	60	60
B.Tech.(CE)	0	0	0	0	0	0	0	0	0	0	60	60	60	60
B.Tech.(ME)	0	0	0	0	0	0	0	0	0	60	60	120	120	120
M. Tech.(CSE)	0	0	0	0	0	0	18	18	18	18	18	18	18	18
M. Tech.(VLSI)	0	0	0	0	0	0	0	0	18	18	18	18	18	18
M. Tech.(PE)	0	0	0	0	0	0	0	0	18	18	36	36	36	36
M. Tech.(PSCA)	0	0	0	0	0	0	0	0	0	0	18	18	18	18
M. Tech.(DECS)	0	0	0	0	0	0	0	0	0	0	0	0	18	18
M. Tech.(MD)	0	0	0	0	0	0	0	0	0	0	0	0	18	18
MBA	0	0	0	0	0	60	60	60	60	60	120	120	120	120
MCA	0	0	0	0	0	60	60	60	60	60	60	60	60	60

### 3. HUMAN RESOURCES:

#### 3.1. FACULTY MEMBERS:

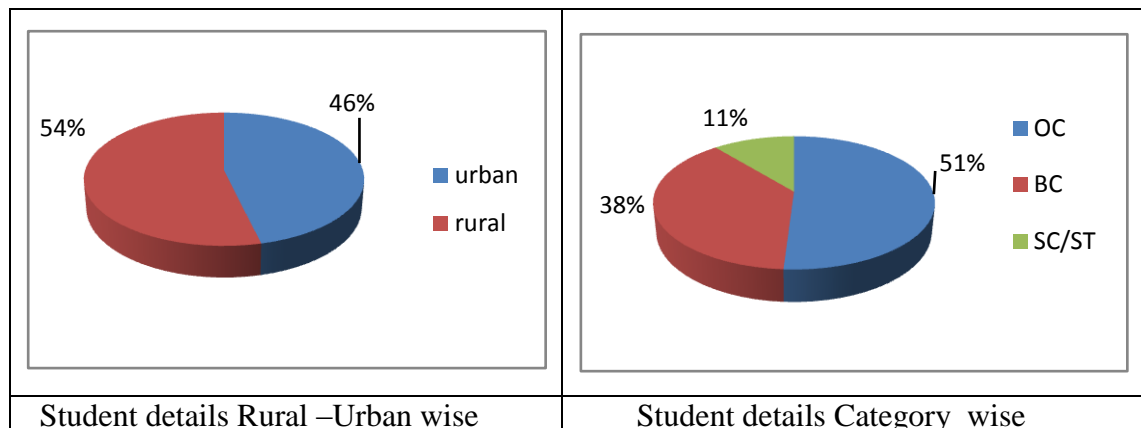
The programmes and activities related to academics of SVEC are supported by a strong contingent of about 200 well-qualified and experienced faculty members. Out of 200 faculty members, 15 have Ph. D. degrees, 16 have M. Phil. Degree, 147 have Masters Degree and 22 have B.E/B. Tech. Degree. The college maintains a faculty student ratio of 1: 14.88. SVEC has adopted professional methods of recruitment, appraisal & training of its faculty to ensure that this key segment of the institute is strengthened.



#### 3.2. STUDENTS:

The students are admitted through a process based on the guidelines of AP State Council for Higher Education (APSCHE). Under Category-A, 70% of the seats in the Institute are allocated basing on common entrance test (EAMCET, AP) rank and intermediate marks in case of UG admissions. The admissions to PG courses are based on PGCET/GATE scores. The remaining 30% of the seats which come under Category-B (Management/NRI quota) are filled by the Institute as per guidelines given by APSCHE and the Govt. of Andhra Pradesh. Apart from this, an additional 20% of the sanctioned intake for each program for admission into II year B.Tech (Lateral Entry) in UG courses will be filled by the Convener of ECET. The admissions are based on the reservation policy of the Govt. of Andhra Pradesh for all courses.

The college has good blend of students with rural and urban background and also from different categories.



#### 4. SVEC INFRASTRUCTURE:

To impart high quality technical education to the students, college provides best possible infrastructure facilities in the campus. The college is located in serene atmosphere, in an area covering 25.02 acres and has a built-up area of over 3.5 lakh sq.ft of RCC Buildings. Apart from regular class rooms, laboratories, Seminar halls, auditorium, waiting halls; facilities are also provided for sports activities like cricket, basketball, Gym and Indoor Games.

S.No.	Description	Area in Sq.ft.
1.	Administrative Building	9930.00
2.	Departments Class Rooms &Workshops	194812.71
3.	Central Library	22281.32
4.	Staff Quarters & Hostels	114369.00
5.	Sports Complex	8482.39
6.	Canteen & Food courts	7698.70
7.	Bank	1983.57
Total Built-up Area		359557.69

#### 4.1. Library:

The college has a central library with carpet area of 2070 square meters with all modern facilities. The library has 7058 titles, 31860 volumes, 1033 CD ROMs, 3667 e-Books, 72 print journals and 207 e-journals. Apart from reference section and reading room facility digital library with 70 Computer Systems is also provided in the library to facilitate e-learning and to refer on-line journals. All the activities of library are automated with bar coding and computerized.

## **4.2. Computers, LAN and Internet:**

The college has very good support facilities in the form of state-of-the-art computer laboratories, a campus-wide Local Area Network and a wireless internet connectivity of 12 Mbps (1:1), 20 Mbps broadband and also Wi-Fi facility. The college maintains 761 systems with a computer-student ratio of 1:4 for UG and 1:1 for PG programme. The college has its website, [www.srivasaviengg.ac.in](http://www.srivasaviengg.ac.in) designed, developed and maintained by the faculty members.

## **5. PROCESSES AND ACTIVITIES:**

### **5.1. Teaching-Learning process:**

Clearly understanding that the diversity of learners in respect of their background, abilities and other personal attributes will influence the extent of their learning, the college has initiated some measures and integrated them into regular teaching-learning processes such as:

- Course plans by the faculty members for each subject
- Usage of ICT facilities
- Covering topics beyond curriculum both in theory and laboratory sessions
- Remedial classes for slow learners
- Bridge courses for I year students
- Class work review committee meetings twice in a semester.
- Guest lectures and seminars
- E-learning resources like NPTEL video lectures /QEEE & CoEeRD lectures etc.
- Industrial visits and tours
- Soft Skills and Life Skills training
- Training sessions for campus recruitments
- Mock tests and mock interviews

### **5.2. Co-curricular and extracurricular activities:**

The management and administration of SVEC sincerely believe that active participation of students in co-curricular and extra-curricular activities is essential for holistic development of their personality and success in life. The college ensures this through various processes such as

- Encouraging students to participate in seminars/workshops.
- Formation of student chapters of professional bodies like IETE, ISTE and CSI.
- Student associations/clubs for co-curricular activities.
- In-House training for enhancing aptitude and advanced soft skills training.
- Guest lectures
- Personality Development programmes
- Industrial visits and Industrial training.
- Organizing Tech-fests
- Sports and Cultural activities
- Entrepreneurship Development cell



### **5.3. Student empowerment:**

The management and administration of SVEC firmly believes in creating a wonderful place of learning where there is a scope for students to enrich their knowledge and ideas which in turn will strengthen the system. To make the campus more participative in nature, the college empowers the students to be more interactive through various means such as

- Class work review committees
- Mentoring and Counseling
- Feed back system
- Grievance redressal committee
- Various student chapters/associations

### **5.4. Research and development:**

The college supports and encourages faculty members and students in creating research culture in the college campus. The college research committee is formed to enhance Research work in the college. The faculty members are actively involved in research activities and about 265 papers were published by them during last 3 years in various international and national journals and publications. College is planning to obtain recognition as a research center from JNTUK, Kakinada. The support mechanism for research activities consists of

- Incentives to faculty members for publishing paper both in journals and conferences.
- Encouraging and supporting faculty members to attend conferences/workshops in emerging technologies.
- Support to apply for research projects.
- Budgetary provisions to support research activities.
- At present 30 faculty members from different departments registered for Ph.D and pursuing.

### **5.5. Faculty empowerment / encouragement:**

Qualified and committed faculty is the strength of SVEC. Their commendable work is supported and they are encouraged by

- Sponsoring for higher education.
- Offering incentives for paper publications in journals/conferences.
- Sponsoring to workshops and faculty development programmes.
- Organizing FDPs within college at appropriate time of academic year.
- Encouraging faculty members with awards for both teaching and research.
- Providing medical facility, Special leaves, Maternity leaves etc.

### **6. SUPPORT FACILITIES AVAILABLE:**

- Sports facilities for outdoor games such as Volleyball, Throw ball, Cricket, Tennicoit, Shuttle Badminton and Basketball and indoor facilities for Board games, Table tennis and a Gymnasium.

- Separate waiting halls for boys and girl students.
- Seminar hall with central AC.
- Communication through 4 DOT lines and a 64-line Panasonic EPABX (extendable to 128 lines) and a FAX.
- WiFi enabled campus.
- Fleet of 48 buses in different routes in the district.
- Well furnished canteen and Food court to accommodate 300 students.
- Hostel facilities with a capacity to accommodate 500 boys and 500 girls with solar water heating system.
- Generators with total capacity of 490kVA.
- Medical facilities.

## **7. GOVERNANCE AND GENERAL ADMINISTRATION**

The Governing Body of the college is constituted as per the guidelines of the AICTE. The Secretary and Correspondent acts as Executive Head of the institute and the Principal is Academic as well as the Administrative Head of the Institute. On academic matters, he is guided by the rules and regulations as well as the norms laid down by AICTE and JNTUK, Kakinada from time to time. He is assisted by Heads of the Departments, Professor In-charge (Finishing school), Librarian, Administrative Officer and other supporting staff. The committees constituted for various activities are

1. College Academic Committee
2. Disciplinary Committee
3. Transport And Canteen Committee
4. Library Committee
5. Grievance Redressal Committee
6. Women Grievance Redressal Committee
7. Anti ragging Committee
8. Finishing School
9. Internal Quality Assurance Cell(IQAC)

## **8. POINTS OF PRIDE:**

- SVEC is one of the most preferred colleges in West Godavari District.
- SVEC stands in the top 10 results wise among affiliated colleges of JNTUK.
- SVEC student received gold medals from JNTUK University under the categories CSE topper and computer society corporation.
- SVEC is one of the colleges' chosen out of 500 colleges across India to provide QEEE program.
- SVEC has high retention ratio of qualified faculty. About 25% of the faculty have more than 7 years of service in the college.
- SVEC Sports facilities are the regular platforms for conducting National level and University level events.
- SVEC students regularly receive prizes in National level Symposiums and Sports events.

- SVEC is recognized TCS center to conduct GATE and other competitive online examinations.
- SVEC infrastructure facilities are utilized by Government departments as well as NGOs for conducting seminars and training programs.
- SVEC faculty are resource persons for CoEeRD, JNTU Kakinada.
- 30% of eligible students are placed in reputed companies like Techmahindra, TCS, Virtusa, Emphasis etc., so far during current academic year.

## 9. SWOC ANALYSIS:

### Strengths:

- Academically competent and disciplined students.
- Responsiveness to students and educational needs.
- Effective teaching by experienced faculty with background of industrial and academic work experience.
- NBA accredited courses.
- Good retention ratio of faculty particularly at higher cadre.
- Good demand for the courses and all seats being filled up except in IT
- Fiscally good and well-managed institute.

### Weaknesses:

- Research and development, consultancy and extension activities are to be strengthened.
- Industry –Institution interaction not coming forth to the expected levels.
- Inability to bring quick changes in curriculum on technological advances and industry needs as the institute is an affiliated college.

### Opportunities:

- Demand for reputed colleges is on rise as people are looking for good colleges rather than a particular branch.
- To apply for more research funds from funding agencies like AICTE, UGC, DST, CSIR, ISRO etc..
- Use of technology and ICT to make teaching learning process more student-centric to elicit interest.
- Commencement of new programmes to meet the emerging needs.
- Competitive edge basing on the reputation of the institute gained over last decade.

### Challenges:

- Rapidly advancing technologies may require more human resources and equipment.
- Interaction with the industries is one of the challenges to be met as very less number of industries is available nearby.
- Unhealthy and unethical competition with mushroom growth of Engineering colleges posing a challenge in retaining good faculty members.
- Government policies in fixing the fees structure.
- Quality of intake is coming down as good students are opting for deemed universities within and outside the state of A.P., due to prolonged delay in admission process.

# **PART- C**

## **Profile of the Institute**

**PART- C : PREPARATION OF SELF-STUDY REPORT****1. Profile of the Affiliated / Constituent College**

1. Name and Address of the College:

Name :	Sri Vasavi Engineering college	
Address :	Pedatadepalli	
City : Tadepalligudem	Pin : 534101	State :Andhra Pradesh
Website :	<a href="http://www.srivasaviengg.ac.in">www.srivasaviengg.ac.in</a>	

2. For communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. J.Srihari Rao	O:08818-284355 R:08819-227644	9491520201	08818-284322	principal@srivasaviengg.ac.in
Steering Committee Co-ordinator	Dr. Y.S.S.R. Murthy	O: 08818-284355 Ext -308	8106111888	08818-284322	iqac@srivasa viengg.ac.in

3. Status of the Institution:

Affiliated College

Constituent College

Any other (specify)

<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

4. Type of Institution:

a. By Gender

i. For Men

ii. For Women

iii. Co-education

<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

b. By Shift

i. Regular

ii. Day

iii. Evening

<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

5. It is a recognized minority institution?

Yes   
 No

6. Sources of funding:

Government   
 Grant-in-aid   
 Self-financing   
 Any other

7. a. Date of establishment of the college 01/09/2001

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

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	03-March-2014	-
ii. 12 (B)	06-August-2014	-

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

(AICTE,  NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i. AICTE	Institution	04-06-2014	2014-15	

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

- b. for its performance by any other governmental agency?

Yes  No

If yes, Name of the agency NBA and Date of recognition: 05-August-2013

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

Location *	Rural	25.02 Acres
Campus area in sq. mts.	1,01,252.35 sqmtr	
Built up area in sq. mts.	33,500 sqmtr	

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

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

- Auditorium/seminar complex with infrastructural facilities
- Sports facilities
  - \*  play ground
  - \*  gymnasium
- Hostel
  - \*  Boys' hostel
    - i. Number of hostels :2
    - ii. Number of inmates : 322
    - iii. Facilities : Dining Hall, shuttle courts, TV room etc.
  - \*  Girls' hostel
    - i. Number of hostels : 2
    - ii. Number of inmates : 260
    - iv. Facilities : Dining Hall, Computer lab, shuttle courts, TV room etc.
  - \* Working women's hostel
    - i. Number of inmates - 6

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

Nonteaching :12

Teaching : 06 Bachelor accommodation in Hostel.

- ✓ Cafeteria — Food court
- ✓ Health centre –

Health centre staff –

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

- Facilities like banking, post office, book shops –
  - ✓ Bank (SBH. Pedatadepalli)
  - ✓ Book Shop
  - ✓ Transport facilities to cater to the needs of students and staff - 48 buses from various routes TPG,TNk,JRG,ELR,BVRM,RVPM,NDD,KVR
  - ✓ Generator or other facility for management/regulation of electricity and voltage
  - ✓ Solid waste management facility
  - ✓ Waste water management
  - ✓ Water harvesting

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

SI. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
1	Under-Graduate	B.Tech	4 Yrs	10+2	English	720	544
2	Post-Graduate	M.Tech, MBA, MCA	2/3 Yrs	Graduation	English	288	150

13. Does the college offer self-financed Programmes?

Yes  No

If yes, how many?

All are self financed programmes
----------------------------------



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

Yes	✓	No	-	Number	5
-----	---	----	---	--------	---

UG: B.Tech-2

- i) Civil
- ii) Mechanical

PG: M. Tech.-3

- i) Digital Electronics and Communication Systems
- ii) Power Systems Control & Automation
- iii) Machine Design

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
Science	-N.A -		
Arts	-N.A -		
Commerce	-N.A -		
Engineering	Civil Engineering Computer Science and Engineering Electronics and Communication Engineering Electrical and Electronics Engineering Information Technology Mechanical Engineering Master of Business Administration Master of Computer Applications	✓	✓

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

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

17. Number of Programmes with

- a. Choice Based Credit System 01(B.Tech)
- b. Inter/Multidisciplinary Approach -
- c. Any other ( specify and provide details) -

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

Yes  No

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

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	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government Recruited	--Not Applicable--									
<i>Yet to recruit</i>										
Sanctioned by the Management/ society or other authorized bodies Recruited	08	01	24	02	117	48	154	41	28	03
<i>Yet to recruit</i>	--									

**\*M-Male \*F-Female**

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
Ph.D.	08	01	06	-	-	-	15
M.Phil.	-	-	03	01	10	02	16
PG	-	-	15	01	95	36	147

UG	-	-	-	-	12	10	22
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22. Number of Visiting Faculty /Guest Faculty engaged with the College.
23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2014-15		2013-14		2012-13		2011-12	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	56	22	51	19	46	23	26	13
ST	02	01	02	03	01	-	-	-
OBC	138	64	176	59	175	68	120	85
General	163	145	137	148	202	328	245	227

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

Type of students	UG	PG	Total
Students from the same state where the college is located	2458	324	2782
Students from other states of India	-	-	-
NRI students	-	-	-
Foreign students	-	-	-
Total	2458	324	2782

25. ✓ Dropout rate in UG and PG (average of the last two batches) <10%

UG

PG

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

(a) including the salary component

**Rs. 52,229-00**

(b) excluding the salary component

**Rs. 24,528-00**

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

Yes

No

28. Provide Teacher-student ratio for each of the programme/course offered 1:15

29. Is the college applying for

Accreditation :      Cycle 1  Cycle 2       Cycle3       Cycle4

Re-Assessment:

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

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

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

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

33. Date of establishment of Internal Quality Assurance Cell (IQAC) IQAC 10/10/2014

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

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

- SVEC is one of the most preferred colleges in West Godavari District.
- SVEC student received gold medals from JNTUK University under the categories CSE topper and computer society corporation.
- SVEC has high retention ratio of qualified faculty. About 25% of the faculty have more than 7 years of service in the college.
- SVEC Sports facilities are the regular platforms for conducting National level and University level events.
- SVEC is recognized TCS center to conduct GATE and other competitive online examinations.

**PART –D**

**CRITERIA WISE INPUTS**

## CRITERION I

### CURRICULAR ASPECTS

#### 1.1 Curriculum Planning & 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 confer upon the society an environment that fosters the intellectual growth of students and serves humanity through promulgation of technological applications.

**Mission:-**

- To create and sustain an agile community which is highly professional with due consideration for ethical, ecological and economical issues.
- To impart quality education that serves the needs of present and to energize the technological world.
- To forge mutually beneficial commitments with Government, Industry, Society and Alumni.
- Commitment to learn, Adapt and change as a means to perpetual development.
- To pursue research and disseminate innovations to the society.

#### QUALITY POLICY:

Sri Vasavi engineering college works towards excellence in technical education by providing optimum quality engineering education and with a goal to develop the institution as a trend setter to mould youth into citizens capable of assuming leadership of the society for the progress of the nation with technology as a main tool.

Objectives of the Institution:

- I. To produce techno mangers from the institution to cater to the needs of society which are changing from time to time.
  - II. To focus on practical exposure to students to make them best suited for company requirements.
  - III. To bring the fruits of engineering and technology to villages and make them to use to solve their problems.
  - IV. To make the engineering education as education with skills and morality.
- a. Vision, mission and objective documents are displayed in all class rooms laboratories hostels, library, administrative building and amenities and also in college website.

- b. Similarly vision and mission of individual departments are defined in clear and are available at respective departments along with program objectivities(P.O's) and program educational objective(PEO's)
- c. Academic regulation, college rules and regulation are made available to all the students through university regulation books and college website ([www.srivasaviengg.ac.in](http://www.srivasaviengg.ac.in)).

## **COMMUNICATION TO STUDENTS & STAKE HOLDERS:**

### **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 examples.**

The Institute is an affiliated college of JNTUK, Kakinada and as such, Curriculum and schedule of instruction and evaluation are specified by the university.

The college prepares its academic calendar incorporating other co-curricular and extra-curricular activities into the schedule given by the university. Head of each dept. will carry out the subject allocation to the faculty members of the department, with due consideration to their choice, specialization, experience and the requirements of the dept.; well in advance of the commencement of the semester.

- Class time tables are prepared with 8 periods per day and 6 days per week i.e.; Monday to Saturday. Slots are provided for Library and sports hours; aptitude and communication skills and attitude and personality development classes. The college develops rigid action plans for implementation of the curriculum which gives effective results.
- Meetings are conducted by college academic committee with heads of the departments and also with staff members to design and implement various strategies for monitoring and effective implementation of the curriculum.
- Course files of every subject are prepared by faculty members who are handling that subject.
- Lab manuals of all laboratories are updated as per the requirements.
- Before commencement of semester faculty meetings are conducted in every department by the HODs and all the staff members are advised to prepare detailed lecture notes and teaching aids. Reviews are conducted at appropriate times and the status of syllabus coverage and other academic issues are discussed.
- Department faculty members are encouraged to impart curriculum through innovative teaching methods like presentations, NPTEL course lectures, workshops, seminars etc.
- Required numbers of periods are allotted to each subject in time-table based on the gravity of the syllabus.

- Hours are allotted to Counseling, Library, Sports, Seminar and Communication Skills to balance the other activities with curriculum activities.  
As an example, the University Academic calendar for 2014-15 A.Y. and curriculum of B. Tech. (ECE) is given below.

**ACADEMIC CALENDER 2014-2015 (JNTUK)  
ODD SEMESTER**

II & III YEAR					IV YEAR				
S. No	Description	Dates		Weeks	S. No	Description	Dates		Weeks
		From	To				From	To	
01	Class work	25-8-14	13-12-14		01	Class work	16-6-14	25-10-14	
02	I to 4 Unit	25-8-14	18-10-14	8	02	I to 4 Unit	06-06-14	18-08-14	8
03	I Mid Exam	13-10-14	18-10-14		03	I Mid Exam	11-08-14	18-08-14	
04	5 to 8 Units	20-10-14	13-12-14	8	04	5 to 8 Units	18-08-14	18-10-14	8
05	II Mid Exam	08-12-14	13-12-14		05	II Mid Exam	20-10-14	25-10-14	1
06	Preparation & practical's	15-12-14	20-12-14	1	06	Preparation & practical's	27-10-14	01-11-14	1
07	End Exams	22-12-14	05-01-15	2	07	End Exams	03-11-14	15-11-14	2

**EVEN SEMESTER 2014-15 (JNTUK)**

II & III YEAR					IV YEAR				
S. No	Description	Dates		Weeks	S. No	Description	Dates		Weeks
		From	To				From	To	
01	Class work	19-01-15			01	Class work	24-11-14		
02	I to 4 Unit	19-01-15	14-03-15	8	02	I to 4 Unit	24-11-14	24-01-15	8
03	I Mid Exam	09-03-15	14-03-15		03	I Mid Exam	26-01-15	31-01-15	1
04	5 to 8 Units	16-03-15	09-05-15	8	04	4 to 8 Units	02-02-15	28-03-19	8
05	II Mid Exam	04-05-15	09-05-15		05	II Mid Exam	30-03-15	04-04-15	1
06	Preparation & practical's	11-05-15	16-05-15	1	06	Preparation & practical's	06-04-15	11-04-15	1
07	End Exams	18-05-15	30-05-15	2	07	End Exams	13-04-15	25-04-15	2



**ELECTRONICS AND COMMUNICATION ENGINEERING (R10)**  
**I YEAR - I SEMESTER**

S. No.	Subject	T	P	Credits
1	English – I	3	-	2
2	Mathematics - I	3	-	2
3	Engineering Physics – I	3	-	2
4	Engineering Chemistry I	3	-	2
5	C Programming	3	-	2
6	Environmental Studies	3	-	2
7	Engineering Physics & Engineering Chemistry Laboratory -I	-	3	2
8	Engineering Workshop (Carpentry, Fitting, House wiring, )	-	3	2
9	C Programming Lab	-	3	2
10	English Proficiency Lab	-	3	2
	<b>Total</b>			<b>20</b>

**I YEAR- II SEMESTER**

S. No.	Subject	T	P	Credits
1	English – II	3	-	2
2	Mathematics – II	3	-	2
3	Engineering Physics – II	3	-	2
4	Engineering Chemistry-- II	3	-	2
5	Engineering Drawing	3	-	2
6	Mathematical Methods	3	-	2
7	Engineering Physics & Engineering Chemistry Laboratory -II	-	3	2
8	English - Communication Skills Lab	-	3	2
9	IT Workshop	-	3	2
	<b>Total</b>			<b>18</b>

**II YEAR - I SEMESTER**

S. No.	Subject	T	P	Credits
1	Managerial Economics and Financial Analysis	4	-	4
2	Electronic Devices and Circuits	4	-	4
3	Probability Theory & Stochastic Processes	4	-	4
4	Network Analysis	4	-	4
5	Signals & Systems	4	-	4
6	Electrical Technology	4	-	4

7	EDC Lab	-	3	2
8	Networks & Electrical Technology Lab	-	3	2
9	English Communication Practice	-	2	1
10	Professional Ethics & Morals-I	2	-	-
<b>Total</b>				<b>29</b>

**II YEAR - II SEMESTER**

S. No.	Subject	T	P	Credits
1	Electronic Circuit Analysis	4	-	4
2	Control Systems	4	-	4
3	Pulse & Digital Circuits	4	-	4
4	Switching Theory & Logic Design	4	-	4
5	EM Waves and Transmission Lines	4	-	4
6	Analog Communications	4	-	4
7	Electronic Circuits & P D C Lab	-	3	2
8	Analog Communications Lab	-	3	2
9	English Communication Practice	-	2	1
10	Professional Ethics & Morals-II	2	-	-
<b>Total</b>				<b>29</b>

**III YEAR - I SEMESTER**

S. No.	Subject	T	P	Credits
1	Linear IC Applications	4	-	4
2	Computer Architecture & Organization	4	-	4
3	Digital IC Applications	4	-	4
4	Digital Communications	4	-	4
5	Antennas and Wave Propagation	4	-	4
6	Electronic Measurements and Instrumentation	4	-	4
7	Digital Communications Lab	-	3	2
8	IC Applications Lab	-	3	2
9	I P R & Patents - I	2	-	-
<b>Total</b>				<b>28</b>

**III YEAR - II SEMESTER**

S. No.	Subject	T	P	Credits
1	Computer Networks	4	-	4
2	Digital Signal Processing	4	-	4

3	VLSI Design	4	-	4
4	Microwave Engineering	4	-	4
5	Microprocessors and Microcontrollers	4	-	4
6	Management Science	4	-	4
7	Microprocessors and Microcontrollers Lab	-	3	2
8	Electronic Computer Aided Design Lab	-	3	2
9	I P R & Patents – II	2	-	-
	<b>Total</b>			<b>28</b>

## IV YEAR - I SEMESTER

S. No.	Subject	T	P	Credits
1	Optical Communication	4	-	4
2	Embedded Systems	4	-	4
3	Digital Image Processing	4	-	4
4	Radar Systems	4	-	4
5	<b>Open Elective</b>	4	-	4
6	<b>Elective – I</b> 1. Telecommunication Switching Systems 2. Analog IC Design 3. Object Oriented Programming	4	-	4
7	Digital Signal Processing Lab	-	3	2
8	Microwave and Optical Communications Lab	-	3	2
	<b>Total</b>			<b>28</b>

## IV YEAR - II SEMESTER

S. No.	Subject	T	P	Credits
1	Cellular and Mobile Communications	4	-	4
2	<b>Elective – II</b> 1. Network Security & Cryptography 2. Satellite Communications 3. Digital Control Systems	4	-	4
3	<b>Elective – III</b> 1. Operating Systems 2. Structured Digital Design 3. Wireless Sensor Networks	4	-	4
4	<b>Elective – IV</b> 1. Analytical Instrumentation 2. Real Time Operating Systems 3. TV Engineering	4	-	4
5	PROJECT			12
	<b>Total</b>			<b>28</b>

**Open Electives:**

1. Bio Medical Engineering
2. Open Source Software
3. Energy audit, Conservation & Management
4. Instrumentation
5. Optimization techniques

**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?**

- Library and computer center facilities are availed by the faculty to improve their skills.
- Faculty are deputed to attend workshops and training programs to update themselves for effective implementation of the curriculum.
- The college is participating in the QEEE program of the MHRD.
- University also arranges for online special lectures under its CoEeRD program.

**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.**

- All theory and lab classes are conducted as per schedules. All the Labs are fully equipped to conduct all experiments as per the curriculum. Class files are maintained for effective monitoring of class engagement.
- All the measures are designed and effectively implemented for successful implementation of the curriculum.
- The college procures required books and equipment for effective delivery of the curriculum as and when JNTU-K updates and revises the curriculum and encourages faculty to update themselves for effective teaching.

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

- The institution invites experts from Industry/ R&D labs /Reputed Academic Institutes to the college to deliver guest lectures and training programs. By this the college gets exposed to the Industry and other organizations. The result is students get awareness about the recent developments, & industrial practices. Industry can get a feel of the quality of the students and the infrastructure of the college, which enhances the opportunities for campus drives.
- These programs are additional to the existing curriculum which acts as a bridge with the industries for career development and improving skills.

**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 curriculum is entirely designed and updated by the JNTUK and the institution follows that curriculum. During the change of regulations & curriculum our faculty provides the feedback and suggestions to the University. Dr.SSN MURTY Professor of Mech. Engg. was on BOS of the University .

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

**No.** The institution follows the curriculum of JNTUK.

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

The course objectives are specified by the University along with the curriculum. The college ensures that these objectives are achieved by taking the following into consideration.

- Taking feed-back on faculty and content delivery.
- Evaluating the feed-back and take remedial measures on valid comments.
- Taking feed-back from faculty and arranging facilities for achieving the objectives.

## **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?**

In the curriculum there is provision to select the electives in each branch of the program. In addition to enhance the competencies of students and prepare them for their career building, skills and attitude of students towards improvement in quality of life; our college is offering Value-adding certificate courses. They are:

**Infosys Campus Connect:** SVEC is one of the colleges selected by Infosys for its campus connect programme. Faculty are trained on advanced topics. These faculty in turn will train the students for 14 weeks. Course materials are made available and used extensively by the student’s community. This programme helps the students to be 'Industry ready'.

**Oracle Work force Development Programme:** The Oracle Workforce Development Program (WDP) is a unique partnership opportunity for SVEC to offer Oracle and Java training. WDP training prepares students for Oracle certification testing. With the widely-acclaimed credential of Oracle certification, WDP students are trained for a variety of entry-level Oracle job-roles as well as career advancement. As part of the Oracle WDP program, the trained students receive a course completion certificate from Oracle.

**Skill development programmes by Finishing School:** Campus recruitment training is provided by the inhouse trainers of finishing school. In addition specific skill development programmes are also arranged by professional trainers from TIME,COIGN etc., Students are encouraged to take pre-assessment tests from AMCAT, Co-Cubes etc.,

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

No. Dual degree programs are offered by the institution.

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

- a. **Core Options:** As per university norms.  
**Elective Options:** Students are given choice of selecting one elective from a group of subjects as per university regulation . **Annexure1.1**
- b. **Flexibility to students to move from one discipline to another:** As per university regulation.
- c. **Flexibility to pursue the program with reference to the time frame (flexible time for completion):** As per university regulations.
- d. **Choice based Credit System:** As per University regulation student has to get a minimum of 200 credits out of 208 credits for the award of B.Tech degree.
- e. **Enrichment courses:**

Enrichment courses like relevant short term courses, seminars and workshops are arranged. A language lab exists to improve proficiency of the students in Communicative English. Special training programs and orientation programs are conducted by the departmental association. NPTEL lecture material and online journals are procured. Teaching aids like LCD, Smart Class Rooms, QEEE, and Webinars are made available to students and faculty.

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

The college is self financed, all programs are self financed.

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

No vocational program is offered.

- However, Training programs for soft skills development, classes on attitude, aptitude,& personality development are conducted to improve the employability of the students. Periods for this activity are included in the regular time-table.

- Flexibility is given to students to undertake mini-projects and projects in industries and research departments of reputed organizations, thereby encouraging inter disciplinary oriented work and also relevant to the industry.

**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 student?**

NO

### **1.3 Curriculum Enrichment:**

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

- Guest lectures are conducted regularly by industrial experts to supplement additional skills to the students to enable them to synchronize with markets.
- Workshops, conferences, Teaching-Learning assessment.
- Conducting remedial classes.
- Empowerment to research projects by providing facilities.
- Academic activities are monitored by IQAC.
- Value added courses organized by external agencies.

**1.3.2. 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?**

- Not Applicable as institution follows JNTUK Regulations. However, “Environmental studies”, Professional Ethics and “Intellectual properties” are part of the University curriculum.

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

- Guest lectures by experts.
- Seminars and workshops.
- E-Learning programs like NPTEL lectures and QEEE programs. Training and certification programs by ORACLE, Infosys etc. (Details are given in Annexure 1.2)

**1.3.4. How does the institution monitor and evaluate the quality of its enrichment programmes?**

**Monitoring:**

- The training and placement cell conducts tests on their training programs to assess the effectiveness of training.

- Feed back is taken on all quality enrichment programs at the end and suitable modifications are effected wherever necessary.

**Evaluation:**

- The impact of quality enrichment programs is assessed by analyzing the examination results and placements.
- Feedback from students, parents, Alumni, Employees is taken into consideration for evaluation.
- Quality assurance cell is established in the institution to evaluate the quality of enrichment programs besides curriculum.

**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?**

Whenever curriculum is revised by the University the draft curriculum is made available to the institutions for comments from the faculty. Suggestions made by the senior faculty are discussed and the summary is communicated to the university.

**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?**

Feedback from students is collected online for each subject in every semester. Alumni also provide the feedback about the syllabus when they come back to the college after joining the Industry/ during alumni meets.

**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.**

- i) M. Tech.(EEE) - Power systems Control & Automation – 2011
- ii) M. Tech.(ME) - Machine design – 2013
- iii) M. Tech.(ECE) - DECE - 2013

**Annexure 1.1**

**Academic Flexibility:**

The college has certain core and elective courses in each program. Each Program is designed keeping in view of fast changing technologies, industry requirement, smooth progression to higher studies and the requirement of statutory bodies. Each program has mandatory core courses and selected elective courses.

**Core Courses:** Core courses are carefully designed as per programme objectives and the mission of the department and college and spread over entire programme from second year first Semester onwards.



**Elective options:** Variety of elective options are offered in each programme and these electives are offered in the IV year B.Tech. As an example electives offered to B.Tech Civil Engineering are given below.

S. No.	Year & SEMESTER	Nature of Subject
		Elective (E)
1	IV / I	<b>ELECTIVE SUBJECTS –I</b> a) Earthquake Resistant Design b) Ground improvement Techniques c) Urban Transportation Planning
2	IV / I	<b>OPEN ELECTIVE</b> a) Air pollution & control b) Disaster Management c) Industrial water & waste water Management d) Architecture & Town Planning
3	IV / II	<b>ELECTIVE –II</b> a) Advanced Structural Design b) Ground water Development & Management c) Environmental Impact Assessment & Management
4	IV / II	<b>ELECTIVE –III</b> a) Water Shed Management b) Finite Element Methods c) Pavement Analysis And Design
5	IV / II	<b>ELECTIVE –IV</b> a) Soil Dynamics & Machine Foundations b) Advanced Structural Analysis c) Water Resources System planning & Management

**Annexure 1.2 (Guest Lectures/Workshops details)**

Name of the speaker(s)	: Dr. Kameswararao
Designation	: Professor
Institution/University/Organization	: NIT Warangal
Title of the Seminar/Guest Lecture:	Recent Developments in Concrete
Date & Time	: 15-02-2014, 9.30a.m. – 3.00 p.m.
venue	: Seminar Hall ,MBA Block
Beneficiary	: II and III years



Name of the speaker(s)	: G V L N MURTHY
Designation	: Assistant Professor
Institution/University/Organization	: Swarnandhra College of Engineering
Title of the Seminar/Guest Lecture:	Design of Airport pavements
Date & Time	: 12-04-2014
venue	: Seminar Hall ,MBA Block
Beneficiary	: III year



Name of the speaker(s)	: G PRASAD
Designation	: Senior Vice-president
Institution/University/Organization	: WILLIS RE
Title of the Seminar/Guest Lecture:	CATASTROPHE MODELLING
Date & Time	: 15-07-2014
venue	: Seminar Hall ,MBA Block
Beneficiary	: III & IV year



Name of the speaker(s)	: G S MURTHY
Designation	: Assistant Professor
Title of the Seminar/Guest Lecture:	Nuclear Chemistry
Date & Time	: 22-08-2014
venue	: Seminar Hall ,MBA Block
Beneficiary	: IV year



Name of the speaker(s)	: S BRAHMA REDDY
Designation	: Executive Engineer
Institution/University/Organization	: Panchayat Raj Dept, NSP
Title of the Seminar/Guest Lecture:	Role of Civil Engineers in this Modern Era
Date & Time	: 15-09-2014
venue	: Seminar Hall ,MBA Block
Beneficiary	: III & IV year




Name of the speaker(s)	: M.RAVI CHANDRA	
Designation	: Field Surveyor	
Institution/University/Organization	: Freelances Consultancy	
Title of the Workshop	: Total Station	
Date & Time	: 16-09-2014 & 17-09-2014	
venue	: Field	
Beneficiary	: IV B.Tech	

Name of the speaker(s)	: J. Nagababu
Designation	: Software Engineer
Institution/University/Organization	: Wipro Technologies
Title of the Seminar/Guest Lecture:	Human Machine Interaction using Microsoft Speech API
Date & Time	: 21 <sup>st</sup> Sept 2012 10:00 a.m.
venue	: Seminar Hall
Beneficiary	: Members of CSI

Professional Society/Association : **Computer Society of India**



Name of the speaker(s)	: Dr V Vijaya Kumar	
Designation	: Professor	
Institution/University/Organization	: GIET, Rajahmundry	
Title of the Seminar/Guest Lecture:	Context Free Grammars	
Date & Time	: 8 <sup>th</sup> Jan 2013 10am	
venue	: Seminar Hall	
Beneficiary	: 2 <sup>nd</sup> B.Tech CSE	

Name of the Event	“OASIS”
Event Description	A One day event to test the knowledge of students in various domains of marketing like Advertising, Retail, Servicing, Branding etc.,
Date and Time	12/11/2011 at 10:00AM
Venue	A/C Seminar Hall-G Block
Beneficiary	All MBA Students



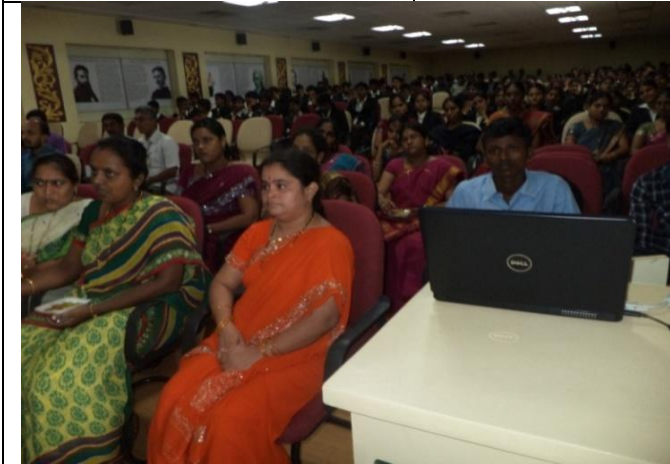
Name of the Event	“RAYS”
Event Description	An Association to MBA was formed and named it as ‘RAYS’. Various Management activities were organized by senior students to juniors to enhance the organizing skills of seniors besides junior participation.
Date and Time	31/03/2012 at 10:00AM
Venue	A/C Seminar Hall-G Block
Beneficiary	All MBA Students



Name of the Event	“VIPANI”
Event Description	A prior intensive training was given to students for 4 weeks to make them ready for participation. Case analysis, strategy designing and New product development concepts were studied and presented by students.
Date and Time	17/11/2012 at 10:00AM
Venue	A/C Seminar Hall-G Block
Beneficiary	All MBA Students



Name of the Event	“RAYS”
Event Description	Various Management activities were organized by senior students to juniors to enhance the organizing skills of seniors besides junior participation.
Date and Time	18/03/2013 at 10:00AM
Venue	A/C Seminar Hall-G Block
Beneficiary	All MBA Students



Name of the Event	“CONCLAVE”
Event Description	A Brain storming event where students concentrated on creative thinking and application of their knowledge in the areas of Marketing, Finance and HR.
Date and Time	21/07/2014 at 10:00AM
Venue	A/C Seminar Hall-G Block
Beneficiary	All MBA Students



Name of the Event	NATIONAL SEMINAR
Title of the Event	“Role of Knowledge Management in Modern Era”
Objectives of the Seminar	To evoke a sense of introspection not only in academia but also in other significant industries and to bring in applications of knowledge management in academics to implement innovative methods like storytelling, CoPs etc.
Date and Time	27 <sup>th</sup> and 28 <sup>th</sup> December, 2013 at 10:00AM
Venue	A/C Seminar Hall-G Block
Beneficiary	All MBA Students, Academicians, Persons from Industry.







## 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?

The College follows the guidelines given by Andhra Pradesh State Council of Higher Education (APSCHE), Government of Andhra Pradesh in the admission process. The publicity to create awareness about the institute and its academic activities is achieved through the following ways:

##### **Advertisement in Regional / National dailies**

The college gives advertisements in national and regional English, Telugu and Urdu language newspapers for publicity. Also, the college gives advertisements in newspapers for admissions for Category- B (Management/NRI quota) seats and spot admissions for B.Tech, M.Tech, M.C.A and M.B.A courses. Interested candidates can download the application from college website and they have to submit the filled in application to the principal or through online. The institute completes the Category- B admissions based on merit order.

##### **Brochure & e-Handbook**

The college publishes brochure & e-Handbook which highlight the vision, mission and philosophy of the college, code of conduct, university regulations, courses offered, quality and details of the teaching staff, library, sports and games, laboratory and other infrastructural facilities.

##### **College Website**

The college has a regularly updated website [www.srivasaviengg.ac.in](http://www.srivasaviengg.ac.in) which provides all information about the college.

Awareness and induction programmes are conducted for parents and students about the admission process and academic systems & practices of the college.

**Transparency** in the admission process is ensured through the following processes:

The availability of seats in various categories and reservations, fee payable, facilities available etc. are posted on the website.

Rules and regulations of A.P. State Council of Higher Education relating to eligibility and the admission procedures are given in the website.

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

**ENGINEERING:** This institute is offering 6 UG and 6 PG professional courses. As per AP State Council of Higher Education (APSCHE) norms, 70% students of UG and PG programmes are admitted through centralized admissions organized by the government (EAMCET for UG and GATE/PGECET for M. Tech). The remaining 30% students (B-category, i.e. Management/NRI) are admitted by the institution. Advertisement is given by the institution in popular regional news papers calling for applications for B-category seats. Application form for B- category seats is made available in the college website and can be downloaded from the website. Merit list is prepared from the applications received, placed in 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.

**MCA & MBA:** This institute is offering two PG programmes namely MCA & MBA. As per APSCHE norms, 70% of seats are filled through centralized admissions organized by the Convener, ICET. The remaining 30% B category seats are filled by the institution following the same guidelines as per B-category admissions into B. Tech.

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

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

- First B. Tech – EAMCET ranks
- Second B. Tech (Lateral Entry) – ECET ranks
- M. Tech.- GATE / PGECET ranks
- MBA and MCA - ICET ranks

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

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

The remaining seats shall be filled on merit basis with candidates including from other States and union territories who have secured rank at AIEEE (JEE-Main) and secured not less than 45% (40% in case of candidates belonging to reserved categories) of marks in the

prescribed group subjects in the qualifying examination.

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% 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 (Andhra Pradesh State Council of Higher Education), Government of Andhra Pradesh.

### Program Mode of Selection

For all B. Tech. branches, A-Category (Convener Quota) students must have passed 12th standard. B-category students must have passed 12th Standard with specified minimum marks.

For all M. Tech. specializations students must have passed relevant B. Tech with specified minimum marks. For Master of Computer Applications (MCA) students must have passed any Degree with specified minimum marks. For Master of Business Administration (MBA) students must have passed any Degree with minimum 50% marks.

**Table-A**  
**Course wise Lowest & Highest Ranks for UG –B.Tech Programmes**

Category	EAMCET Ranks											
	CSE		ECE		EEE		IT		Mechanical		Civil	
	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest
<b>2014-15</b>												
OC	24005	111975	7348	69861	28328	189242	-	-	33721	139706	35445	142994
BC-A	-	-	58997	148923	148546	-	-	-	54668	171733	165494	-
BC-B	34863	177929	11157	170234	36490	115867	-	-	39774	178423	93018	177915
BC-C	-	-	90884	-	-	-	-	-	-	-	-	-
BC-D	58789	199114	11683	186309	60446	161551	-	-	39852	166202	87483	190196
BC-E	121536	-	159928	-	-	-	-	-	85960	116096	76353	-
SC	135704	148496	31460	201035	92344	182404	-	-	92163	189451	80597	188643
ST	-	-	-	-	-	-	-	-	-	-	-	-
<b>2013-14</b>												
OC	55862	177631	7333	109901	12856	188070	-	-	20414	74396	31400	80207
BC-A	-	-	58850	112163	33991	149679	-	-	70768	176712	43062	115539
BC-B	35156	161606	11171	205814	35239	167579	-	-	78313	178205	41441	207975
BC-C	126487	-	97635	164636	-	-	-	-	202957	-	80321	-
BC-D	46769	174655	58136	257772	79006	116097	-	-	41966	193499	32864	142809
BC-E	147200	-	-	-	-	-	-	-	-	-	58426	68565
SC	198109	216626	83974	217610	70187	200378	-	-	80377	191327	137538	215023
ST	-	-	-	-	-	-	-	-	-	-	-	-
<b>2012-13</b>												
OC	11621	53269	13493	31616	12997	79182	52247	196009	15239	151055	42382	72802
BC-A	45057	189836	11917	87890	92623	183779	-	-	117821	170400	71264	146869
BC-B	60976	198521	15952	138329	33616	181903	-	-	25283	157850	80918	196037

BC-C	-	-	-	-	38759	189416	-	-	189439	-	133957	-
BC-D	55043	191773	17470	46484	31847	159276	159918	-	32402	133912	31067	134411
BC-E	-	-	27353	130544	49881	-	-	-	-	-	86090	-
SC	112602	198350	52377	198743	41675	205101	-	-	48420	204680	96551	204598
ST	-	-	151854	-	-	-	-	-	55401	172119	160383	166320
<b>2011-12</b>												
OC	12260	19832	9758	23032	11917	37448	39163	75635	25990	106123	27193	93498
BC-A	44053	181380	33966	63054	49770	107967	153821	171724	65132	100354	92690	162412
BC-B	41908	80548	20682	55063	37145	109943	48479	191307	43997	95307	86123	133083
BC-C	153483	-	39930	-	50602	-	110721	-	-	-	96439	-
BC-D	47765	80195	29263	44729	31927	106036	79054	147342	47407	136215	56786	90485
BC-E	45417	185034	32002	51938	137991	153736	144856	183435	56688	172650	131236	195681
SC	35403	203534	50425	143291	118200	198680	62070	66810	93933	149364	110229	206901
ST	153605	185262	121627	165130	36924	204999	40720	-	86926	176341	93864	114577

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

Category	CSE		ECE		EEE		ME	
	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest
<b>2014-15</b>								
OC	5734	18190	171	25750	1012	11479	1640	4789
BC-A								
BC-B	8256	-	4093	17273	1916	-	-	-
BC-C			5544			-	-	-
BC-D	1406	1698	8061	12074	4174	-	-	-
BC-E	-	-	-	-	-	-	-	-
SC			403	50699	8200	17269	970	
<b>2013-14</b>								
OC	2334	5804	581	21045	295	22317	5662	
BC-A	17476	-	-	-	-	-	-	-
BC-B	7024	16466	-	-	-	-	-	-
BC-C	15313	-	-	-	-	-	-	-
BC-D	11799	-	-	-	-	-	-	-
BC-E	-	-	-	-	-	-	-	-
SC	9267	9502	-	-	-	-	4282	-
ST	-	-	-	-	-	-	-	-
<b>2012-13</b>								
OC	6125	17194	8063	-	1	4715	-	-
BC-A	-	-	-	-	-	-	-	-
BC-B	14709	-	-	-	-	-	-	-
BC-C	313	-	-	-	-	-	-	-

BC-D	-	-	2491	14803	5299	2062	-	-
BC-E	-	-					-	-
SC	10633	44241	1932	29420	1587	32743	-	-
ST	-	-					-	-

**Table-C****Course wise Lowest & Highest Ranks for PG –MBA/ MCA Programmes**

Category	ICET Ranks			
	2014-15			
	MBA		MCA	
	Lowest	Highest	Lowest	Highest
<b>OC</b>	4309	115924	1150	104979
<b>BC-A</b>	51939	52049		
<b>BC-B</b>	-	-	-	-
<b>BC-C</b>	-	-	-	-
<b>BC-D</b>	8642	103244	16439	44732
<b>BC-E</b>				
<b>SC</b>	15000	119470	7769	-
<b>ST</b>	-	-	-	-
	2013-14			
<b>OC</b>	1266	115181	10058	98262
<b>BC-A</b>	20129	99460	-	-
<b>BC-B</b>	28234	106095	23992	-
<b>BC-C</b>	-	-	-	-
<b>BC-D</b>	34295	91435	13368	-
<b>BC-E</b>	53251	78642	-	-
<b>SC</b>	41926	80136	-	-
<b>ST</b>	-	-	-	-
	2012-13			
<b>OC</b>	3117	118555	1710	92094
<b>BC-A</b>	22551	98924	17060	-
<b>BC-B</b>	11086	104653	22634	-
<b>BC-C</b>	33632	-	-	-
<b>BC-D</b>	7674	113368	13647	95193
<b>BC-E</b>	-	-	-	-
<b>SC</b>	12025	113056	-	-
<b>ST</b>	-	-	-	-
	2011-12			
<b>OC</b>	3832	88662	2154	31907
<b>BC-A</b>	23674	84118	25218	101900
<b>BC-B</b>	32962	74355	11542	95465
<b>BC-C</b>	44868	-	7325	-
<b>BC-D</b>	34414	84293	31153	-
<b>BC-E</b>	77460	92004	7128	41288
<b>SC</b>	5136	40451	1560	37525
<b>ST</b>	89158	111670	12387	25202

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

The process of admissions is totally under the control of the APSICHE, Government of Andhra Pradesh. So, admission process can not be reviewed by institute. Even though admission process is uniform across the state, admitted students' profiles are reviewed by the Institute every year. Institute highlights its achievements in media to improve its profile and attract better students.

It is hoped that the quality of teaching and care taken by the college, such as conducting special classes for slow learners and conduct of classes on topics beyond syllabus, pre placement training, GATE coaching, encouraging students to participate in seminars, group discussions, technical skills, communication skills etc. will be spread by students across the society leading to improvement in quality of admissions

**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
- Any other

The process of admissions is totally under the control of the APSICHE, Government of Andhra Pradesh.

**SC/ST/OBC/Economically weaker sections:**

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

Category	2014-15	2013-14	2012-13	2011-12
SC	206	240	255	238
ST	6	8	11	12
OBC	695	652	674	636
EWS	1024	887	768	672

**Women** 33% of the admitted students in Convener quota are women as per reservation policy of the state government. They can also compete under open category.

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

Programme	Course	2014-15	2013-14	2012-13	2011-12
B.Tech	CSE	118	120	68	79
	ECE	83	98	53	54
	EEE	37	93	88	30
	IT	0	0	37	42
	ME	0	1	10	10
	CE	7	17	13	15
M.Tech	PG	11	5	6	3
MBA		47	40	48	43
MCA		13	11	18	32
Percentage of all students		<b>38.25</b>	<b>46.6</b>	<b>44.51</b>	<b>42.42</b>

A women protection cell, headed by one senior lady staff member, one lady faculty member from each department (if available) is constituted. This cell looks after the welfare of girl students and lady staff members.

#### **Differently abled**

Differently abled students are allotted seats as per the reservation policy of the state government.

#### **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	UG	33	30	29	25
M.Tech	PG	6	7	2	1
MBA		2	4	2	1
MCA		0	0	0	1
Percentage of all students		4.9	4.9	4.04	3.65

#### **Any other**

Sports and NCC candidates are given reservation as per state government's 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.**

Details of seats filled up in **category –A** for the last four years

### UG Programmes

Branch	2014-15		2013-14		2012-13		2011-12	
	Sanctioned Intake	Students Enrolled	Sanctioned Intake	Students Enrolled	Sanctioned Intake	Students Enrolled	Sanctioned Intake	Students Enrolled
CSE	126	126	126	126	84	84	84	84
ECE	126	124	126	126	84	84	84	84
EEE	84	40	84	55	84	84	84	84
IT	42	0	42	0	42	40	42	42
ME	84	77	84	84	84	84	42	41
CE	42	36	42	42	42	41	42	41

### PG Programmes

Branch	2014-15		2013-14		2012-13		2011-12	
	Sanctioned Intake	Students Enrolled	Sanctioned Intake	Students Enrolled	Sanctioned Intake	Students Enrolled	Sanctioned Intake	Students Enrolled
CSE - CSE	13	12	13	13	13	12	13	10
ECE-VLSI, DECS	13 13	5 13	13 13	9 12	13 13	8 5	- 13	- 5
EEE- PE, PSCA	25 13	7 3	25 13	17 10	25 13	14 9	25 13	15 4
ME-M.D	13	3	13	2	-	-	-	-
MBA	84	84	84	84	84	84	84	80
MCA	42	23	42	11	42	24	42	41

## 2.2 Catering to Student Diversity

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

The institution is fully adhering to Andhra Pradesh Government policies regarding the needs of differently-abled students.

- Railings and ramps are provided for differently abled students.
- Seats are reserved for them in the classrooms.
- In case of extreme physical disability, class work is arranged in the ground floor.
- Extra time will be allotted for laboratory classes and special care will be taken for such students.



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

YES. The institution assesses the students' needs in the following ways

- The college arranges “**Awareness Programme**” for the students aspiring admission in B.Tech programme and their parents before the admission process commences, to explain the admission procedure and to create awareness in them on branch selection and also on college selection, depending on the facilities needed for students to study in the college they choose.
- Induction Programme is arranged every year for students and their parents before commencement of class work in which information regarding facilities, faculty expertise, rules & regulations, disciplinary code of the college, and the teaching-learning methodology is given to create awareness about the college. The students and parents are encouraged to express their questions and elicit any bit of information they require during induction programme.

**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?**

The strategies drawn and deployed by the institution are

- Bridge courses are conducted for lateral entry students.
- The institution conducts remedial classes / tutorial classes for slow learners in different subjects to enhance their skills and competence.
- Class tests are conducted for students to assess their level of knowledge.
- Based on this, the teacher modifies his/her teaching methodology.
- Personality Development programmes are conducted to improve their personality and to motivate them for an innovative and creative mindset.
- English Language Communication Skills (ELCS) lab has been established to improve English proficiency of the students.
- Industry visits are arranged to create awareness among student about the pollution control measures taken by different industries.
- Add-on courses are organized for advanced learners to enhance their learning abilities.

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

- The institution holds the tradition of imparting holistic education with emphasis on ethical and moral values.
- The college, being a coeducational institution, sensitizes its staff and students on issues such as gender inclusion, environment etc by holding seminars on the relevant topics like women empowerment.
- Celebration of Women's Day by teachers and students is also a part of Women Empowerment programme.

- A women protection cell is formed, headed by one senior lady staff member, one lady faculty member from each department (if available). This cell looks after the welfare of girl students and lady staff members.
- The college conducts seminars and conferences wherein the experts from the above mentioned fields are invited to share and deliver their experiences and knowledge.
- Drawing and essay writing competitions are held regarding environment issues to keep students abreast of such contemporary issues.
- Professional Ethics and Morals and Environmental Studies are part of the regular curriculum.
- The students also involve in social service activities like clean & green programme, plantation, health checkup camps, blood donation camps, fire safety measures etc.

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

There is a streamlined mechanism for continuous monitoring and evaluation of the students. This system helps to identify advanced learners. The advanced learners are identified based on the performance in internal exams, regular attendance to classes and the performance in class tests. Advanced learners are continuously encouraged to strive for higher goals by providing them additional inputs for better career planning and growth like:

- Assigning seminar topics.
- Offering special coaching for GATE exam.
- Topics on content beyond syllabus are taught to satisfy their higher needs for knowledge.
- Training on paper presentations is imparted.
- Encouragement given to them to prepare for competitive examinations like UPSC, GATE, CAT etc.,
- Encouragement given to them to participate in classroom seminars, group discussions, technical quizzes etc. for developing analytical, problem solving and presentation skills.
- Motivation given to access latest online journals, reference materials and help them to understand the emerging trends in their field of study.
- Training given to use audio visual aids like power point, charts and models for effective presentation.
- Motivation given to participate in in-house research activities.
- Encouragement given to participate in national level paper contests, seminars and project exhibition competitions.
- Providing opportunity to develop their creativity by organizing intercollegiate and state level cultural, literary, technical and sports competitions.
- Encouraging them to take specialized training through certificate courses.
- Appointing them as student representatives at the department level committees to develop leadership skills.
- Assistance in helping the slow learners especially during the conduct of tutorials which will enhance their communication skills.
- Pre-placement training (PPT) classes are conducted to improve their performance in the placement interview.

Infosys Foundation Programme (IFP): Infosys launched an academia-industry partnership initiative termed Campus Connect (CC). As part of CC, the college is running a foundation programme, a soft skills training programme for the benefit of the students of CSE/IT/ECE/EEE branches.

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

- The departments maintain the academic record of the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.
- Slow learners are identified through observation of their performance in class tests and first mid - examinations.
- Such students are asked to explain their problems and the following measures are taken to reduce the drop outs.
- Special counseling is conducted for students deficient in language skills.
- Remedial classes are organized to clarify doubts, re-explaining critical topics for improving performance.
- One faculty member is assigned as counselor for every 20 students.
- The faculty counselor assesses the nature of their problem. Students with psychological / emotional problems are also motivated in a friendly way to reach their academic goals.
- Poor performance due to frequent absenteeism on the part of the students is dealt with by a certified psychologist way of informing their parents on phone and sending registered letters.
- Teachers prepare separate learning material for slow learners.
- All the staff members maintain good relations with students and deal with their problems in a sympathetic manner.
- Learning ware Materials for all Engineering Programmes are made available.

**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.)**

A. Academic calendar:

- It is issued by the affiliated university – JNTUK-Kakinada and it is followed.

B. Teaching plan:

- Lesson plan for each subject is prepared by the faculty concerned well in advance and adherence to the lesson plan is duly checked by respective HODs.
- HODs conduct a meeting with the faculty members before commencement of the semester and subject allocation is made.
- Class timetables are prepared and displayed in all notice boards.
- Every faculty member prepares a course file which contains lecture notes, schedule, assignments, old question papers, topics beyond syllabus, unit wise question papers etc.

- Lab manuals are prepared and supplied to the students at the beginning of semester.
- Review meetings are arranged periodically to review coverage of syllabus. Depending upon necessity, time tables are changed and modified so that syllabus is completed within the stipulated time.
- Faculty use teaching aids like models, PPTs wherever necessary.

C. Evaluation:

- For lab work, continuous assessment and evaluation is carried out.
- Internal assessment of theory subjects is based on university guidelines.
- Assignments are given and are evaluated.
- Depending on feasibility, unit wise tests are conducted and evaluated for some subjects.
- University conducts semester end exams in both theory and labs and arranges evaluation.

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

IQAC is established on 10/10/2014 and it laid down systems, procedures and monitoring mechanisms like course file, feedback mechanism etc.. for improving teaching and learning process. It also conducts academic audit semester wise.

### **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 offers support services to the faculty for making the learning student - entric.
- The college organizes guest lectures which give chance to the faculty to know more about intricacies of the teaching-learning process. The skills obtained will be effectively implemented in regular class work.
- The college arranges guest lectures and industrial visits to the students to develop their interactive, collaborative and independent learning. The students are supposed to prepare and submit a report of what they studied during their visit. This helps in collaborative and interactive learning of the students.
- Tutorial classes are incorporated in time tables to ensure collaborative learning in the class room.
- The use of LCD projector will ensure the students to learn the practical applications of theoretical aspects. This ensures learning more interactive.
- E-class rooms are provided in each department where students participate in group discussions, debates and seminars.
- Apart from central library, departments maintain department libraries to provide the students a source of knowledge to enable independent thinking.
- Broad band connectivity is available in the college to provide students quick access to knowledge sharing through internet.

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

- The students are encouraged to design their own applications and make models/devices using the available equipments in laboratories and necessary software. The college offers required support to complete a project depending upon the competency of the project – to encourage the students to think freely.
- Faculty motivates the students in model making, project design, paper presentations and various co-curricular activities inside and outside the college.
- Students are encouraged to participate in project competitions and workshops to provide hands on experience.
- Guest lectures and seminars are organized in the college with eminent personalities in respective fields to enable the students to interact with them in the latest developments in the technology. This creates interest in the minds of students for further learning.
- Faculty provides knowledge on extracurricular concepts to the students to develop innovative thinking and assist in taking up projects on their own.
- The scientific temper is provided among students by encouraging them to take up new tasks on their own by providing extra lab hours. All these activities inculcate the habit of independent thinking, application of knowledge, understanding and trouble shooting of problems etc. and make the students lifelong learners.
- Students are encouraged to gain knowledge in interdisciplinary subjects through selection of open electives, seminars and discussions with experts.
- To hone critical thinking process of students, various group discussions, debates and seminars are organized in which students explore new ideas.

**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.**

Facility	CSE	CE	ECE	EEE	IT	ME	BSH	MBA	MCA
OHP	2	2	2	2	2	2	2	1	1
LCD projectors	3	1	2	2	1	2	1	1	1
Internet enabled Computers	150	3	100	40	70	70	80	5	60
Software packages	6	3	4	2	6	3	1	-	6

#### E-Learning resources:

- E-class rooms are provided in various departments which are equipped with Multimedia projectors and internet enabled systems.
- Physics Virtual lab

- English language Lab with Software from Globarena.
- The students are encouraged to use software packages for their projects.
- Also, more E-learning facilities are provided in the digital library for the benefit of the students.
- Hours of NPTEL video courses are also provided in digital library.
- Efforts are being made for faculty to communicate with students through internet for assignments, uploading lecture notes etc.
- Institution is a member of QEEE students and faculty regularly attends live lectures from IIT faculty
- All staff and students are having access to online resources from JNTUK CoEeRD.

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

The most potential source for faculty to update and upgrade their awareness of their respective subjects is the round the clock internet access. They logon to systems available with their departments and digital library during their free time, watch videos and listen to expert lectures and adopt suitable practices. Sri Vasavi is full-fledged WiFi campus and all faculties are seasoned netizens.

- Staff are encouraged to participate in short term courses, development programmes and workshops to enhance their knowledge.
  - Guest lectures/workshops are organized by inviting experts/resource persons on advanced topics for the benefit of the students and faculty.
  - Every faculty is advised to give a seminar on a topic weekly once for the benefit of the other faculty and to refresh knowledge gained already.
  - Faculty and students are encouraged to participate /present papers at different levels of seminars/conferences.
  - The departments conduct different competitions like poster presentation, paper presentation etc., under departmental association for the benefit of the students.
  - Topics beyond the syllabus are also taught in the class rooms to provide comprehensive understanding on different subjects to the students.
- ✓ **Details of conferences, workshops, guest lectures, short term courses/training programs organized and attended are provided in detail in the respective Evaluative Report of the Departments (ERD).**

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

- The class teachers regularly monitor the regularity of student attendance in internal tests. Then poor performers are identified based on their performance and remedial classes are conducted to improve their knowledge and to fare well in subsequent exams.

- For a group of 20 students in every class, a counselor is appointed who looks after all personal and academic problems of the students. Necessary support will be provided for the needy students.
- The counselors motivate the students and try to change their mental attitude in a positive way.
- Career counseling and guidance is also provided for pre final and final year students by to assist them in selecting their future course of action.
- A certified Psychologist is available in the college. He conducts classes on attitude and also does individual counseling for the needy students.

**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?**

All the faculty apart from normal class room teaching, adopt some innovative teaching methods to enhance the quality of the content delivered.

Some of the practices adopted by the faculty during the last 4 years are:

- Explanation of the concepts using demonstration models/cut sections/charts wherever necessary to explain and clearly interpret complex concepts and applications.
- Enhanced usage of PPTs by using LCD projectors for effective delivery of the content.
- Usage of videos as and when required to create interest in the subject.
- Each department has an E-class room equipped with LCD projector, internet enabled systems.
- Seminars are conducted regularly to bring out inherent talent in the students.
- Faculties are encouraged to participate in seminars to deliver that content to the students.
- Students are encouraged to use software packages for experimental and analysis work.
- Some topics beyond syllabus in each subject are also covered to give a hint about the depth of the subject.
- Certain topics are covered through special classes with an orientation towards competitive exams like GATE etc.

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

The college has a central library with a plinth area of 2070 Sqm with all modern facilities. Details are given below:

Titles	7,058
Total No. of Volumes	31,860
Reference Books	9,689
Library Automation	Library has been automated. Library Resources/Collection was bar-coded and managed using Library Management Software.

	Library books are classified as per Dewey Decimal Classification.
e-Books	3,667
e-Journals	207 (IEEE-145, ASME-27,ASCE-35)
Print Journals	72
Book Bank for SC/ST	67
Back Volumes of periodicals	558
Project Reports	1904
No. of computer systems in digital library	70

#### Digital Library:

- The students are encouraged to utilize learning material available in the library.
- Faculty and students go through video lectures like NPTEL etc.
- Library and internet centre are kept open beyond normal working hours of college for effective use of reference section and internet to equip the students with additional information.

#### **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.**

Under normal circumstances, the institute could complete the curriculum within the time frame stipulated by the university. But sometimes it has faced following challenges:

- Unforeseen interruptions to the class work are compensated by cutting down holidays and conducting extra classes beyond working hours.
- During 2013-14, during 1<sup>st</sup> year, class work was affected for 2 months due to Samaikyandhra agitation in A.P. To compensate this loss, additional classes including Sundays were held to complete the syllabus.
- HODs of every department review the syllabus coverage in every subject and takes suitable measures to finish the syllabus in time.

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

- Feed back on all subjects is taken from students in every semester.
- The feedback is analyzed & evaluated on a scale of 100 and every faculty is provided with a copy of feedback for making necessary corrections. Further, faculty is counseled by HOD, Principal etc., if required.
- The management also receives feed back by means of interaction with selected group of students from each class and conveys necessary guide lines to the Principal and concerned HODs.
- After announcement of results every semester, a committee comprising of concerned HOD, Principal & few members from management review the results to assess the quality of teaching and makes necessary suggestions to follow in future course of action to improve teaching & learning quality.



## 2.4 Teacher Quality

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

The college has a total of 200 faculty members of which, 149 are male and 51 are female.

### Recruitment of faculty:

The college recruits qualified, experienced and capable faculty in their respective fields of study. The faculty are recruited well before the starting of academic year and also as and when need arises.

The following procedure is adopted for recruitment of faculty:

Faculty recruitment starts with the open advertisement in the regional and national newspapers. After thorough scrutiny of the applications, the selected candidates are called for interview. The interview is conducted department wise by a committee under chairman ship of the Principal. The committee recommends the shortlisted candidates to the management for appointment.

### Retention of Faculty:

The following measures are adopted by the college to retain the faculty:

- Sponsoring for seminars, workshops etc.
- Providing contributory EPF facility for the senior staff.
- Medical leave and earned leave facilities to all the staff as per rules of the college.
- College encourages junior staff to pursue Masters degree course by giving study leave

Table 2.5 : Faculty Details

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
Ph.D.	08	01	06	-	-	-	15
M. Phil.	-	-	03	01	10	02	16
PG	-	-	15	01	95	36	147
UG	-	-	-	-	12	10	22

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

The courses of Bio technology and Bio informatics are not offered in this college. As far as IT is concerned, the institution has enough well qualified and experienced faculty to handle the subjects.

To get expertise in emerging areas such as cloud computing, artificial intelligence, robotics etc., the college has organized workshops etc.

Further, the faculty are encouraged to attend training programs, seminars etc., in the emerging areas organized by other institutes by granting leave and bearing registration fee etc., to give the best input to the students (shown in table 2.6)

**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 during the last four years**

The college believes that the faculty should refresh themselves and upgrade and update their status at regular intervals.

The training programmes are aimed at meeting different objectives by different means as:

- a. Orientation programmes at the onset of academic year.
- b. Training programs to faculty by corporate companies.
- c. Access to highly informative material as NPTEL by IITs.
- d. Preparation of lecture notes, lab manuals, and ppts.

Table 2.6 : Number of Faculty deputed for training programs - Yearwise

Academic Staff Development Programmes	Number of Faculty Nominated				
	2013-14	2012-13	2011-12	2010-11	Total
Refresher courses	8	2	4	3	17
HRD programmes	3	1	0	2	6
Orientation programmes	3	1	9	7	20
Staff training conducted by the university	4	2	2	1	9
Staff training conducted by other institutions	13	4	13	11	41
Summer / winter schools, workshops, etc.	31	38	23	22	114
Total	62	48	51	46	207

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

Table 2.7 : Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

S. No.	Name of the Program	Dates
1.	Workshop on “Effective Teaching Methodologies”	03-02-2011 to 04-02-2011
2.	Easy Now Open Source ICT Tools	04-07-2011 to 08-07-2011
3.	Workshop on “Proven Strategies for Effective Teaching Practices ”	02-04-2012
4.	Workshop on “Effective Teaching Methodologies”	15-07-2012 to 20-07-2012 (Evening Sessions)
5.	Teacher Training Program on Computer Programming	22-09-2012 to 25-09-2012
6.	Workshop on “Effective Teaching Methodologies”	02-06-2014 to 03-06-2014
7.	A faculty development programmewas for faculty members of all departments of B.Tech, MBA and MCA as regards “Using English Language as the sole medium of instruction and interaction and an effective tool in class room teaching “. (by the English faculty)	09/06/2014 to 10/06/2014

## c) No. 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

Table 2.8 : Faculty Participation

Faculty participation	No. of faculty			
	2013-14	2012-13	2011-12	2010-11
a) As Resource Persons in Workshops / Seminars / Conferences	4	7	5	1
b) Participation in Workshops / Seminars/ Conferences	48	41	77	55
c) Presentation of papers Seminars/ Conferences	41	36	73	47

**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 college extends full support to the professional development of the faculty.
- The institute deputed its faculty to attend all kinds of staff development programmes organized by other professional bodies.
- The institute also conducts no. of seminars, workshops, special lectures for the benefit of the students and faculty.
- Faculty having only B.E/B.Tech will be encouraged to pursue Masters programmes.
- The faculty upon completion of the course will be eligible for increment.
- The faculty presenting their research papers in National/International conferences/workshops will be paid Registration fee and T.A.

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

The college provides necessary infrastructure and other required support to encourage faculty to excel in their teaching/research. The conducive environment for academic growth encourages faculty to prove their talent.

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

Yes.

- The faculty are evaluated by students through feedback forms in the middle of the semester. Then, the feedback is analyzed and appropriate suggestions are given to the faculty by the HOD and principal to see that they rectify their drawbacks.
- The feedback forms mainly focus on various teaching skills of the faculty members like presentation, communication, knowledge, content delivery, innovative practices, etc.
- The HOD and Principal interact with a few merit students and a few dull students and take feedback on the faculty about their effectiveness in handling the classes and convey the shortcomings if any to the faculties to improve their skills.
- Performance and self appraisals are taken from faculty at the end of every academic year and their performance is evaluated. Based on the evaluation report, faculty are counseled.
- There are counselors for every 20 students in a class. These counselors interact quite closely with the students and give feedback about the concerned faculty to the HOD based on which necessary recommendations are made by the HOD to the faculty concerned.

## **2.5 Evaluation Process and Reforms**

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

- The students and their parents are informed about their ward performance regarding marks and attendance by letters periodically. Their absence from the college will be intimated to the parents after the 1<sup>st</sup> hour itself everyday.
- The instructions issued by the university are communicated to faculty and students.
- The faculty read the instructions in the class room and they are posted in notice boards.
- The students are informed well in advance regarding internal exams and the criterion for internal assessment.
- Academic calendar and syllabus books are provided to students to plan their studies.
- The faculty will be appraised about the the evaluation process of the institute by the HOD.
- During the faculty meetings in every department, issues related to evaluation are reviewed and decisions taken will be informed to students through circulars and notices.
- During meeting of HODs with principal, any changes in evaluation process will be informed to HODs and they in turn will be communicated to faculty and 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 college is affiliated to JNTUK, Kakinada, A.P. The university has initiated following evaluation reforms:
- Introduction of internal assessment. (online quiz during Mid-Sem Exams)
- Introduction of 4 sets of question papers in final exams with a view to avoid copying.
- Half an hour before the examination, encrypted question paper will be downloaded & decrypted and copies will be distributed.

#### Reforms initiated by the Institute:

- Students are evaluated by assignments and surprise tests.
- Unit wise tests are conducted to evaluate the students.
- Seminars are conducted to evaluate language proficiency, presentation, content etc.

### **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 strictly and fairly.
- After evaluation of answer scripts and assignments, they are distributed to the students and their mistakes are explained by the faculty. The evaluation process is also explained to them.
- The marks obtained in internal exams are also declared to the students to check for any discrepancy present.
- In labs, the students are to face viva-voce after every experiment as a part of continuous evaluation process.

- Any doubt about evaluation is made clear to the students.
- All the data regarding evaluation –answer scripts, award lists are maintained properly.
- Students can use revaluation and challenge evaluation procedures of the university regarding the end semester examinations.

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

Formative approach is a tool used by faculty to continuously monitor the progress of the students in supportive environment. The formative evaluation approach is carried out by:

- Assignments
- Seminars
- Asking questions on topics covered.
- Class tests.
- Viva-voce.

This approach gives information about student achievement after a particular unit and faculty can think of different methodologies to upgrade the content.

Summative assessment is carried out at the end of course of learning. It sums up how the student fares in a particular subject.

The summative approach is carried out by conducting two internal tests both written and online each by college and a final exam by the university which is evaluated by the university.

Both methods of evaluation are adopted in the college to prepare the students to fare well in campus drives.

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

- The progress of the students is monitored regularly through class tests, assignments, viva-voce and question sessions.
- The students are evaluated through two internal tests. After evaluation, the report is sent to Head of the institution.
- The parents are informed about their ward's performance through letters. For poor students, the parents are called and counseled to take care of their ward's.
- The class teacher regularly monitors the progress of the students in terms of – attendance, marks, learning capability etc.

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

Graduates Attributes (GAs) form a set of individually assessable outcomes that are the

components indicative of the graduate potential to acquire competence to practice at the appropriate level. The GAs are the exemplars of the attributes expected of a graduate from an institute. The GAs are –

- GA1: Engineering knowledge
- GA2: Problem analysis
- GA3: Design and development
- GA4: Analysis of complex problems
- GA5: Individual and team work
- GA6: Environment and sustainability
- GA7: Ethics
- GA8: Communication skills
- GA9: Project Management and Finance
- GA10: Lifelong learning

The programme outcomes are developed to attain the graduate attributes and to meet the program educational objectives.

Programme outcomes are statements that describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge and behaviors that students acquired in their matriculation through the programme.

Engineering programs must demonstrate that their students attain the following outcomes-

- PO1: An ability to apply knowledge of mathematics, science and Engineering.
- PO2: An ability to design and conduct experiments and to analyze.
- PO3: An ability to design a system, component or a process to meet desired needs with Economic, environmental, social, safety constraints.
- PO4: An ability to function on multi disciplinary teams.
- PO5: An ability to Identify, formulate, solve Engineering problems
- PO6: An understanding of professional and ethical responsibility
- PO7: An ability to communicate effectively
- PO8: A recognition of the need for and an ability to engage in lifelong learning.
- PO9: A knowledge of contemporary issues.
- PO10: An ability to use the techniques, skills and modern Engineering tools necessary for practice.

- Programme educational objectives are formulated as given below based on stake holders feedback

**Programme Educational Objectives (PEOs):**

PEO1: To prepare graduates with solid foundation in mathematics, science and related Engineering subjects to understand, analyze, design and apply the knowledge to real life problems.

PEO2: To prepare graduates to achieve a high level of technical expertise so that they are able to succeed in their profession.

PEO3: To inculcate in students the spirit of lifelong learning, professional attitude, ethics and team work and to develop effective communication skills, multidisciplinary approach for successful career.

PEO4: To enhance Industry –Institute interaction with reputed academic and industrial organizations to impart knowledge and hands-on experience to students thus making them Engineers of excellence.

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

#### **At College Level:**

- The answer scripts after evaluation are shown to students and if any discrepancies are noticed by the student, they will be corrected by the faculty concerned.
- If the student is not satisfied with the marks awarded by the teacher, he/she may bring the same to the notice of the chief superintendent through HOD. All such representations are taken positively and reassessment will be made by a committee of faculty if necessary.

#### **At University Level:**

- The student is entitled to apply for reevaluation in theory subjects by paying prescribed fee to the university. University reevaluates the scripts by competent faculty. If there is no improvement, earlier marks will be retained.
- The student is also eligible to apply for challenge evaluation in theory subjects by paying the prescribed fee to the university. Challenge evaluation is carried out by 2 subject experts in the presence of the student at university. If the improvement is  $\geq 15\%$  of total marks, the paid fee will be refunded and further 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.

- The faculty, industry, alumni are actively involved in preparing learning outcomes of college based on graduate attributes.
- The learning outcomes of college are made known to students and staff by displaying in departments and at all prominent places of the college.
- Each programme is designed to cover some of following outcomes:
  - A. Ability to think logically.
  - B. Ability to communicate effectively.
  - C. Ability to work independently and in a team.



- D. Ability to express their ideas through written communication.  
 E. Ability to apply subject knowledge to solve complex problems.  
 F. Ability to compete and succeed in competitive exams.

The faculty are aware of the objectives and outcomes and these are listed in their course files. The learning outcomes of the course are made known to students in the class room by the faculty.

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

Student results:

Year	2013-14	2012-13	2011-12	2010-11
Appeared	475	433	462	462
Completed	407	388	431	430
Failed	68	73	31	32
PASS %	<b>85.68</b>	<b>89.61</b>	<b>93.29</b>	<b>93.07</b>

After completion of Internal Tests, the scripts will be distributed in the class and every student knows his/ her marks. These marks are also communicated to the parents by sending the details through post.

Monthly attendance will be displayed to the students in notice boards. The students having low attendance will be counseled by respective counselors. The college has a system where the daily attendance is posted in a software called –Bees Technologies.

If any student is absent, then a message will be sent to their parents/ guardians through SMS. With the prevailing procedures in the college, students know about their progress and they are advised to take corrective measures.

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

- The faculty are made aware of the learning outcomes of the course they are handling and these outcomes are mentioned in their course file.
- Student knows the outcomes during the interaction with the faculty.

Teaching Strategies:

- Keeping the university instructions in view, lecture, tutorial and lab hours are planned.
- Time tables are prepared allocating enough hours to various theory, labs and placement training/Library/Sports activities.
- Special focus is maintained on application part of the subject.

Learning Strategies:

- Tutorials are conducted regularly in important subjects.
- Assignments are given in all important subjects.
- Seminars are arranged by the students.
- The achievement of learning outcomes are measured through various indicators like pass percentage, placement record etc.
- Through department associations, paper presentations, technical quizzes etc., are conducted.
- E- learning material and video courses are made available in the central library.
- Preplacement training is also made as a part of regular academic schedule.

Assessment Strategies:

- Performance evaluation through internal and external exams in both theory and labs.
- Performance evaluation by conducting tutorials and assignments.
- Performance evaluation in project work, seminars etc.

During department meetings, outcomes are discussed and necessary remedial actions are taken to achieve targeted outcomes.

**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?**

- Students are provided preplacement training at pre and final year of the course to secure quality jobs in industry.
- Training in English communication and quantitative aptitude skills is provided.
- Seminars are conducted to improve students presentation skills.
- Conducting competitions to make students present their innovative ideas.
- Encouragement is assured by management by way of providing financial assistance for handling innovative projects.

**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 collects information from the stakeholders in the following ways:

- Feed back from outgoing students will be taken every year.
- Feed back from alumni is also collected to identify needs of industry.

The feed back collected is analyzed and necessary modifications in the curriculum and evaluation strategies are suggested to affiliating university to meet the desired outcomes.

- Through university website, college collects data of pass percentage of the other affiliated colleges. Then a committee comprising principal, HODs and few members of the management

discuss and analyze the data and identify the difficult subjects and other barriers present in achieving the targeted outcomes.

Then, extra classes are arranged for difficult subjects and necessary infrastructure and facilities are provided by the management.

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

The institute monitors the outcomes through:

- Class monitoring committees.
- System of continuous evaluation in both theory and lab subjects.
- Exit feed back, alumni feed back and employers feed back.
- Analysis of performance in theory and lab exams.
- Achievements of students in extracurricular activities.

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

Yes. The Institute and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance and achievement learning objectives.

- A) The faculty are aware of the objectives and outcomes and these are listed in their course files.
- a. Individual teachers regularly assess the performance of students by assignments, internal tests, seminars etc.. They use the outcomes of these to pickup weak students and conduct remedial classes in case of necessity.
  - b. Tutorial classes are conducted regularly.
  - c. E-learning material is provided and video classes are arranged for comprehensive understanding of the subject.
- B) The college takes feedback every year from outgoing students, alumni in detail and analyzes performance of the students at the end of university end examinations.

Based on these, the management takes necessary steps to achieve learning objectives, as below :

- a. Arrangement of guest lectures by reputed professionals.
- b. Arrangement of Industrial tours.
- c. Arrangement of necessary infrastructure in the departments.
- d. Procurement of latest books for library every year.
- e. Arrangement of special classes for communication skill development.
- f. Arrangement of Training Programmes for placement drives.

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

- The college scrupulously implements all the policies related to teaching-learning process.
- Evaluation process is done as per the guide lines of the university.

## CRITERION III

### RESEARCH, CONSULTANCY AND EXTENSION

#### 1.1 Promotion of Research

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

No. The institute is now planning to apply to the university to recognize as a Research Center.

##### 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 research committee consists of the Principal, Heads of the Department and a Senior professor from the departments as members.

##### **Some of the recommendations made by the committee are:**

- To make the institute as a Research Centre of affiliating University / Other Organizations.
- Develop a research center in each department
- Enhance the scope for interdisciplinary research
- Encourage faculty to participate in workshops, seminars organized in reputed institutions.
- Encourage and support the faculty in applying for research projects under various Government funding agencies like AICTE, UGC, CSIR etc..
- Organize seminars in the college on topics of latest technological advances
- To provide budget for in-house R & D projects mentioning the guidelines and targets to achieve, the expected outcome of the projects proposed.
- Sponsoring faculty and students to present papers at National / International Conferences.

##### **Impact of recommendations**

- The college provides seed money for preparing R & D project proposal.
- Conducts awareness programmes to both students and faculty encouraging them to take up industry/society oriented projects.
- Existing laboratories are modernized with additional equipment and experimental set-ups to promote research activity in the campus.
- The institute provides motivational incentives to the faculty on acquiring Ph.Ds, and getting projects from external agencies & publish papers.
- The college deputed faculty to present papers at various national and international conferences.
- A good number of papers are published by the faculty during the last 3 Years

- Faculty applying for projects under various schemes of government.
- Improved interaction 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 will be given to the principal investigator

The Principal investigators who are sanctioned projects from various organizations like AICTE, MHRD etc., will be given full autonomy in executing the project as per the guidelines of the funding agencies and are also provided additional resources , if required.

- Adequate infrastructure and human resources:  
The departments have established adequate lab facilities with necessary software and computing facilities to carryout research projects. The work-load of the faculty will be adjusted to meet any such demand that requires his presence in a project. Central library facilities are enhanced updated with online national and international journals, digital library, hand books, reference books and material related to research activity.
- Any Other:  
The college invites scientists and reputed researchers to share their experiences which will 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 college has established a college research committee to promote research and consultancy activity in the campus.

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.

The college provides funds for the following :

- To promote in-house R & D
- For Paper presentations, and attending R&D orientation workshops, seminars etc.
- Providing e-classrooms with LAN connection facility, LCD projectors, Audio-visual arrangements etc.

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

- With the encouragement and motivational incentives provided by the college, a

good number of faculty obtained their Ph.D. degrees and many teachers registered for Ph.D. (Details are presented in table).

Sl. No.	Name of the Faculty	Ph.D. Status (Awarded/ Registered)
1.	Mrs. G.Loshma	Registered
2.	Mr. V.Venkateswara Rao	Registered
3.	Mr. M.R. Rajaramesh	Registered
4.	Mr. Ch. Rajaramesh	Registered
5.	Mrs. K.Shirin Bhanu	Registered
6.	Dr. Rakesh Nayak	Awarded
7.	Mr. M Pramod Kumar	Registered
8.	Mr.O.Sri Nagesh	Registered
9.	Mr. KNH Srinivas	Registered
10.	Mr. D.Rajesh Setty	Registered
11.	Mr. M.Koteswara Rao	Registered
12.	Mr. A.P.Ramesh	Submitted Thesis
13.	Mr. T.Sreenivasu	Registered
14.	Mr. M.Subba Rao	Registered
15.	Mr. M.Satish Kumar	Registered
16.	Mr. G.V.Subrahmanyam	Registered
17.	Dr. Ch. RamBabu	Awarded
18.	Mr. M.Rama Prasad Reddy	Submitted Thesis
19.	Mr. Ch.Narendra Kumar	Registered
20.	Mr.U.Chandra Rao	Registered
21.	Mr. K.S.B.S.V.S.Sastry	Registered
22.	Mr. P.N.V.Gopal Krishna	Registered
23.	Mr. V. Kiran Kumar	Registered
24.	Dr. S. Krishna Murthy Naidu	Awarded
25.	Dr. B. Ravi Kanth	Awarded
26.	D. Satyanarayana	Registered
27.	Dr. R.S.R.K. Kiran Kumar	Awarded
28.	Ms. G. Neelima	Registered
29.	R.S.V. Rama Swathi	Registered
30.	Mr. A.V.S.Kishore Kumar	Registered
31.	Mr. N.Raja Sekhar	Registered
32.	Dr. P.V.N.Hanumantha Ravi	Awarded
33.	Dr.V.V.Hanumantha Rao	Awarded
34.	Mr. K.Venkata Rao	Registered
35.	Mr. B.Ananda Rao	Registered
36.	Mr. P.Sivanjaneyulu	Registered
37.	Mr. K.Ramesh Vijaya Babu	Registered
38.	Mr. P.Sita Rama Raju	Registered
39.	Ms. P.Lakshmi Ganapathi	Registered

- Using the infrastructure facilities, the faculty members guide the students in their project works catering to the needs of industry.
- The details are presented in the table given below:

Year	International Journals	National Journals	International Conferences	National Conferences	Total Papers
2013-14	68	1	3	6	78
2012-13	70	4	19	2	95
2011-12	64	3	10	15	92

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

Details of Guest Lectures organized:

**COMPUTER SCIENCE AND ENGINEERING / INFORMATION TECHNOLOGY/ MCA**

<b>Academic Year 2014 - 2015</b>			
S. No.	Date	Name of the Speaker	Topic
1.	30-06-2014	Dr.Y.S.S.R. Murthy, Academic Dean, Head,CSE, Sri Vishnu College for Women,Bhimavaram	An Insight to Cloud Computing
2.	18-07-2014	Mr. Satya V. Thopalli, RMG Campus, Tech Mahindra Ltd, Hyderabad	Placement Oriented Talk
3.	01-09-2014	Mr. P. V. Sita Rama Srinivas, Talent Cafe Technologies, Bangalore	Industry Requirements
4.	11-10-2014	Dr Garikipati Narasimha Rao, Spiritual Orator	CSI Organized Personality Development Session by "Spirituality in Computers Era"
5.	26-12-2014 to 28-12-2014	Mr Kalyan Reddy, Globarena Technologies Pvt.Ltd.	Webinar Series on "Introduction to C-Language"
<b>Academic Year 2013 - 2014</b>			
1.	17/03/2014	Srinivas Kishan Anapu	Big Data: Frontier for innovation
2.	27/12/2014	Srinivas Kishan Anapu	Facing Interview Tips & Tricks
3.	05/03/ 2014	Mr Srikanth Surampudi HR Regional, TCS, Hyderabad	Interactive Session on Industry Requirements



4.	10/04/ 2014	Dr Sriram Kothapalli, Vice President and Global Head(Quality), ITC Infotech Ltd, Bangalore	Quality Engineering
<b>Academic Year 2012 - 2013</b>			
1.	07/01/2013	Dr.Vijayakumar	Context free grammars
2.	30/11/2012	Dr.M.S.Sastry	Interactive Guest Lecture
3.	17/12/2012	Mr. Rahul Sachdev	SAP as an Organisations & SAP TECHNIVERSITY EVENT
4.	28/09/2012	Mr.Sandeep Maturi & Mr.B.Raghu Narayana	DataWare Housing Tools- BI and Informatica
5.	16/08/2012	Mr.V.S.S.R Sastry	Focus on Real Time( Software Trends and Technologies)
6.	14-07-2012	Mr. Eswar Prabhakar	Scrum Agile Technologies
7.	08-08-2012	Dr.C.V Sastry	Clustering Techniques in Data Mining, Knapsack problems and its applications to Network Security
8.	09-08-2012	Dr.S.V Naidu	Nano Material preparation and their applications
9.	21-09-2012 Forenoon	Mr J Naga Babu, Project Engineer, Wipro Technologies	Human Computer Interaction through Microsoft Speech API, CSI Student Chapter
10.	21-09-2012 Afternoon	Mr J Naga Babu, Project Engineer, Wipro Technologies	Deploying J2EE Web Application using Eclipse IDE,CSI Student Chapter
11.	02-02-2013	Mr Lloyd Dooland Nisum Technologies, Hyderabad	Courage and Wisdom
12.	08-02-2013	Mr Srikanth Surampudi ILP Head, TCS, Hyderabad	Interactive Session on Industry Requirements
13.	23-03-2013	Mr Rama Evani, DST Worldwide Services	Industry Updates

<b>Academic Year 2011 – 2012</b>			
1.	10-1-2012	Mr.V.NandaKishore	Visual computing & Visual Programming
2.	28-02-2012	Dr Ch.Rupa	Current Trends In Information Technology
3.	12-03-2012	Mr.Dileep	Demand for Mobile App's in Software Industry
4.	23-03-2012	Mr. G.Siva	Open Source Tools & Technologies

<b>ELECTRICAL AND ELECTRONICS ENGINEERING</b>			
<b>Academic Year 2014 - 2015</b>			
<b>S. No</b>	<b>Date</b>	<b>Name of the Speaker</b>	<b>Topic</b>
1.	31/12/2014	Mr.T. Murali Mohan, Asst.Professor, Dept. of EEE, JNTU Kakinada	Recent Advances in Electrical Engineering
2.	18/12/2014	Mr.S.Janardana Rao, Divisional Engineer, APEPDCL.	A lecture on need of Energy conservation and techniques
<b>Academic Year 2013 - 2014</b>			
1.	16-11-2013	Dr.Y.P.Obulesu	FACTS Devices and their applications in Power System.
<b>Academic Year 2012 - 2013</b>			
1.	25-01- 2013	Sri N. Siva Prasad	Over view of thermal power plants.
<b>Academic Year 2011 – 2012</b>			
1.	07-03- 2012	Dr.Ch.PadmanabhaRaju	Latest Trends in Power System Operation
2.	20-08-2012	Mr. V. Naresh Kumar	Modeling and Control of Electrical Drives
3.	29-08-2011 to 04-09-2011	Training and Placement Department	Campus recruitment Training

<b>Master of Business Administration</b>			
<b>Academic Year 2014 - 2015</b>			
<b>S. No.</b>	<b>Date</b>	<b>Name of the Speaker</b>	<b>Topic</b>
1.	13-09-2014	Dr. J. Edukondala Rao	Retail Management
2.	09-01-2015	D.Satyanarayana H R Executive NIIT Technologies Bangalore	Building Self Confidence
<b>Academic Year 2013 - 2014</b>			
1.	06.01.2014	Mr.Trikala Chenna	Do Good Deeds and Tips for Career Development
2.	10.04.2014	Mr.Dr. Sriram Kothapalli	Insights of Six Sigma
3.	19.04.2014	Dr. K.V. Subba Raju	Communication Skills
4.	26.04.2014	Mr.Sumanth Muvvala	Industry Analysis
5.	27-12-2013	Prof. S.V.D. Nageswara Rao	Knowledge Management In Banking Sector
6.	27-12-2013	Mr.Nagesh	Knowledge Management In Manufacturing Sector
<b>Academic Year 2012 - 2013</b>			
1.	25.01.2013	Mr.N. Praveen Kumar	Global Finance Market
2.	29.01.2013	Mrs. Y. Sravanthi	Career Prospects in Banking Sector
3.	30.01.2013 & 31.01.2013	Mr.K. Jaya Deva Rao	Soft skills and Career Planning Programme
4.	12.04.2013	Lloyd	Employability Skills
<b>Academic Year 2011 – 2012</b>			
1.	16.11.2011	Mr.Garikapati Bapayya Sarma	Managemnt Vs Leadership
2.	26.03.2012	Srinivas Vuppala	Industry Expectations
3.	30.04.2012	Mr.K. Satyanarayana	Building Ethical Values in Students

<b>Civil Engineering</b>			
<b>Academic Year 2014 - 2015</b>			
<b>S.No.</b>	<b>Date</b>	<b>Name of the Speaker</b>	<b>Topic</b>
1.	15-7-2014	Mr.VSK Prasad	Catastrophe Modelling
2.	22-8-2014	Dr. G S Murthy	Nuclear Chemistry
3.	15-09-2014	Mr. S Brahma Reddy	Challenges in Civil Engineering
<b>Academic Year 2013 - 2014</b>			
1.	15-2-2014	Dr.Kameswara Rao	Recent Development in concrete
2.	12-4-2014	Mr.G.V.L.N.Murthy	Airport Pavement Design

<b>Mechanical Engineering</b>			
<b>Academic Year 2014 - 2015</b>			
<b>S. No.</b>	<b>Date</b>	<b>Name of the Speaker</b>	<b>Topic</b>
1.	03-02-2015	Prof. I.Satyanarayana	Design , Fabrication & Installation of offshore plant forms at KG Basin
2.	21-01-2015	Dr.R.Bapaiah Chowdary	Intricacies in preparation of B.Tech Project Report
3.	04-12-2014	Dr.Ramadasu	Design of Thick and Thin cylinders
4.	13-08-2014	Dr. D.V.S.S.S.V.Prasad	Genetic Algorithm :overview
5.	06-08-14	Dr.T.V.K. Bhanu Prakash	Art & Science of Fluid Mechanics
6.	07-07-14	Dr.N.Sambasiva Rao	Engineering mechanics made easy
<b>Academic Year 2013 – 2014</b>			
1.	06-09-2013	Mr. S. V. S. S. Srikanth	ANSYS
2.	30-10-2013	Dr. G. V. N. S. Ratnakara Rao	An Insight Into Combustion in I.C. engines
3.	28-12-2013	Mr. Nageswara Rao	Presentation Skills
4.	10-04-2014	Mr.Sri Ram Kothapalli	An insight into Six Sigma
<b>Academic Year 2012 – 2013</b>			
1.	13-03-2013	Mr. S.Mallikarjuna Rao	Manufacturing Processes

<b>Electronics and Communication Engineering</b>			
<b>Academic Year 2014 - 2015</b>			
<b>S. No.</b>	<b>Date</b>	<b>Name of the Speaker</b>	<b>Topic</b>
1.	19-07-2014	Dr. J V R Sagar, Scientist 'G', DLRL, Hyderabad	Aero Space Vehicles
2.	27-06-2014	Mr. Sathish Alldaboina, Sr. Divisional Engineer, S.C. Railway, Guntur	Career Planning for Engineers
<b>Academic Year 2013 - 2014</b>			
1.	14-11-2013	Dr. M. Venugopala Rao, Professor, K. L. University, Vijayawada	Wavelets and Multirate Signal Processing

<b>Academic Year 2012 - 2013</b>			
1.	27-09-2012	Dr. M. Kamaraju, Professor, Gudlavalleru Engineering College, Gudlavalleru	Low Power VLSI Design and Trends
2.	15-09-2012	Prof. M.V. Raghunadh, Professor, NIT Warangal	Communication Systems
<b>Academic Year 2011 - 2012</b>			
1.	15-03-2012	Dr. Venugopala Rao, HOD, ECE Narsaraopet Engineering College, Narsaraopet.	Multi Signal Processing And Wavelets
2.	12-03-2012	Mr. Dileep, Director, Dilven Info Solutions Pvt Ltd, Hyderabad	Demand for Mobile Applications in Software Industry & Job Prospects
3.	15-09-2011	Sri. G. Anantharam, General Manager , BSNL, W.G.Dist.	Modern Trends in Communications

**Details of WORKSHOPS ORGANIZED in the last 4 years:**

<b>Civil Engineering</b>			
<b>Academic Year 2014 - 2015</b>			
<b>S.No.</b>	<b>Date</b>	<b>Event Name</b>	<b>Event Summary</b>
1.	16-9-14	Total Station	M.Ravi Chandra
2.	24-9-14	GIS	N.Nitin

<b>Master of Business Administration</b>			
<b>Academic Year 2013 - 2014</b>			
<b>S.No.</b>	<b>Date</b>	<b>Event Name</b>	<b>Event Summary</b>
1.	27 -12- 2013 to 28 -12- 2013	Role of Knowledge Management in Modern Era (sponsored by AICTE, New Delhi)	The National Seminar was aimed at evoking a sense of introspection not only in academia but also in other significant industries and bringing in applications of knowledge management in academics to implement innovative methods like storytelling, CoPs etc.
<b>Academic Year 2012 - 2013</b>			
1.	14-03- 2013	Dealing With Ethical Dilemmas	To make students aware of ethics and ethical dilemmas through case study and group discussions
<b>Academic Year 2011 - 2012</b>			
2.	23-02- 2012 to 25-02- 2012	Entrepreneurship Awareness Camp	“Centre for entrepreneurship development(CED)” HYDERABAD. SUPPORTED BY “National Science and Technology Entrepreneurship development board (NSTEDB), Govt of India. Summary: To create awareness on entrepreneurial intentions among students.

<b>Master of Computer Applications</b>			
<b>Academic Year 2013 - 2014</b>			
<b>S.No.</b>	<b>Date</b>	<b>Event Name</b>	<b>Event Summary</b>
1.	7/3/2013 to 11/3/2013	3-Days Training Program On Android Technology	3-days training program on android technology in the dept of MCA under SPARC association.

<b>Electrical and Electronics Engineering</b>			
<b>Academic Year 2014 – 2015</b>			
<b>S.No.</b>	<b>Date</b>	<b>Event Name</b>	<b>Event Summary</b>
1.	18/12/2014	One day workshop on need of Energy conservation and it techniques	One day workshop on need of Energy conservation and it techniques by S.Janardana rao, Divisional Engineer, APEPDCL

<b>Academic Year 2011 – 2012</b>			
1.	08-08-2011	“Classic Problem on New Technologies”	Dr. Suresh Chandra Satapathy
2.	16&17 <sup>th</sup> Dec, 2011	Work Shop On Ethical Hacking And Cyber Forensics by Cyber Cure Solution, Delhi	Work Shop On Ethical Hacking And Cyber Forensics by Cyber Cure Solution, Delhi
3.	18 <sup>th</sup> Feb 2012	One day workshop on Recent Trends in Power Systems	One day workshop on Recent Trends in Power Systems By Dr. M.Sydulu Professor, NIT Warangal
4.	12 <sup>th</sup> to 14 <sup>th</sup> Apr 2012	Three days workshop on “Matlab Tools”	Mr. J.Prem Kumar
5.	16 <sup>th</sup> June 2011	First Aid and Safety Workshop	First Aid and Safety Workshop By D.Raja GopalaRao Rao Deputy Chief Inspector of Factories, Eluru

<b>Academic Year 2010 - 2011</b>			
1.	26/06/2010	One day workshop on “ Electrical safety and first aid”	Mr. D. Rajagopal Rao, Dept. chief Inspector of Factories. Eluru
2.	21 <sup>st</sup> January 2011	One day workshop on Energy Conservation	One day workshop on Energy Conservation by Mr. S.Ganapati Rtd.SE, APTRANSCO
3.	12-02-2011	Oneday workshop on” Modern Technologies in Control System”	Oneday workshop on” Modern Technologies in Control System” by Dr. M.Siva Kumar,
4.	12 <sup>th</sup> March 2011	One day workshop on Real Time Applications in Electrical Engineering	One day workshop on Real Time Applications in Electrical Engineering By Dr.K.Gopichand
5.	16-03-2011	Seminar on “Oppertunities for higher Educations”	Mr. Karam Kaur, Asst Manager Marketing, Middlesex University, UK

<b>COMPUTER SCIENCE AND ENGINEERING / INFORMATION TECHNOLOGY/ MCA</b>			
<b>Academic Year 2014 - 2015</b>			
<b>S.No.</b>	<b>Date</b>	<b>Event Name</b>	<b>Event Summary</b>
1.	16-09-2014	One Day Workshop on "UML & DP using IBM Rational Tools"	Mr Y. Venu, IBM Certified Professional, Director, Pinnacle Nano Tech. India Pvt. Ltd.
2.	23-09-2014 to 25-09-2014	3-day JKC Training on "IBM DB2"	IBM DB2 Concepts covered By JKC Team, Hyderabad
3.	08-10-2014 To 09-10-2014	2-day JKC Training on "Cloud Computing	Cloud Computing Concepts covered by JKC Team, Hyderabad
<b>Academic Year 2012 - 2013</b>			
1.	28-29 <sup>th</sup> Sep'2012	2-Day Workshop on "Data Warehousing Tools- BI and Informatica"	Data Warehousing using Business Intelligence and Informatica by Mr Sandeep Maturi, Mr B Raghu Narayana, SLK Software Services Pvt Ltd., Bangalore
2.	28 <sup>th</sup> -29 <sup>th</sup> Sep'2012	IBM Rational Rose Seed Program	UML Concepts, Usage of Rational Rose Architect Software
3.	10 <sup>th</sup> -12 <sup>th</sup> Jan'2013	3 day Android Mobile Application Development Workshop	Android Mobile Application Development by V Vijaya Kumar, Coign Edu & IT Services Pvt. Ltd., Hyderabad
4.	16 <sup>th</sup> March 2013	1-Day Workshop on "Network Certification & CCNA Implementation"	Various Network Certification Programs discussed and CCNA Implementation
<b>Academic Year 2011 - 2012</b>			
1.	16 <sup>th</sup> -17 <sup>th</sup> Dec'2011	2-day Hands-on Workshop on "Ethical Hacking and Cyber Forensics"	Ethical Hacking and Cyber Forensics topics covered in detail by CyberCure Solutions, Delhi
2.	7 <sup>th</sup> Mar, 2012	1 Day Workshop Workshop on "Middleware Technology"	By Department SCUD Team
<b>Academic Year 2010 - 2011</b>			
1	21 <sup>st</sup> -23 <sup>rd</sup> June,2010	3-day Workshop on "IBM Technologies"	CSE Department in Collaboration with IBM and IEG

<b>Mechanical Engineering</b>			
<b>Academic Year 2014 - 2015</b>			
<b>S.No</b>	<b>DATE</b>	<b>Event Name</b>	<b>Event Summary</b>
1.	10-02-2015 to 20-02-2015	Workshop	WORKSHOP on CATIA V5 R14 PHASE - II
2.	24-11-2014 to 01-12-2014	Workshop	WORKSHOP on CATIA V5 R19
3.	15-09-2014 & 16-09-2014	Workshop	QUARDCOPTER ROBOT BUILDING
4.	3-12-2014 to 5-12-2014	Workshop	Autocad workshop
5.	11-06-2014 to 16-06-2014	Workshop	WORKSHOP on CATIA V5 R19
6.	27-11-2014	Workshop	Finite Elements Methods
<b>Academic Year 2013 - 2014</b>			
1.	13-03-2014 & 14-03-2014	Workshop	Building a robot to perform pick and place operations using obstacle sensors.

<b>Electronics and Communication Engineering</b>			
<b>Academic Year 2014 - 2015</b>			
<b>S.No</b>	<b>DATE</b>	<b>Event Name</b>	<b>Event Summary</b>
1.	22nd & 23rd September to 2014	“ASIC DESIGN FLOW USING MENTOR GRAPHICS BACK-END TOOL”	Introduction about MENTOR GRAPHICS Simulation Software
<b>Academic Year 2013 - 2014</b>			
1.	22nd -27th April	“Trends in antenna design & applications”	About Smart Antennas ,FIEKO software ,Patch antennas
<b>Academic Year 2012 - 2013</b>			
1.	4th -5th Sep	“CYBORG-The Robotics Workshop”	About Robotics
<b>Academic Year 2011 - 2012</b>			
1.	30th June -2nd July	“Antennas and Wave propagation”	About Antenna Arrays and Wave propagation
2.	Three-day (12th -14th April, 2012)	“MATLAB TOOLS”	Introduction about MATLAB Simulation Software
3.	A Five-Day (7-11 December , 2011)	“RF & Microwave Engineering ”	Concepts of Microwave Engineering



<b>Academic Year 2010 - 2011</b>			
1.	14th August, 2010	LABTEK SPICE SOFTWARE	Introduction about SPICE Simulation Software
2.	10th & 11th July, 2010	EMBEDDED SYSTEMS LAB – HAWK BOARDS	Usage of HAWK Boards

**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 specialisations, 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 below.

<b>Computer Science and Engineering</b>		
<b>S. No.</b>	<b>Name of the Faculty</b>	<b>Research Areas</b>
1.	Mrs. G.Loshma	Text mining
2.	Mr. M R Raja Ramesh	Software Engineering
3.	Mr. V. Venkateswara Rao	Cloud computing
4.	Mr.Ch.Raja Ramesh	Data mining
5.	Mr.K Venkata Mutyalu	Computer Networks& Network Security
6.	Dr. Rakesh Nayak	Cryptography &Network Security
7.	Mrs.K.Shirinbhanu	Service discovery in MANETs
8.	Mr. G Nataraj	Data mining, Text mining
9.	Mrs A Lakshmi Lavanya	Cloud Network Securities, 3D Video
10.	Mr.A Venkanna Babu	Data mining
11.	Mrs. B Sri Ramya	Mobile Computing
12.	Mr M Pramod Kumar	Big Data, Networking
13.	Mr O Sri Nagesh	Cloud Computing
14.	Dr Y S S R Murthy	Cloud Computing & Big Data
<b>Electrical and Electronics Engineering</b>		
1.	Mr. Ch. RamBabu	Power system Optimization
2.	Mr. M.Rama Prasad Reddy	AC Drives
3.	Mr. Ch.Narendra Kumar	Power Systems
4.	Mr.U.Chandra Rao	Power Systems with Application of Power Electronics
<b>Electronics and Communication Engineering</b>		
1.	Dr. J.Sri Hari Rao	Microwave Engineering
2.	Dr. E.Kusuma Kumari	Antenna Designing
3.	Mr. KNH Srinivas	Signal Processing
4.	Mr. D.Rajesh Setty	Image Processing

5.	Mr. M.Koteswara Rao	Speech Processing
6.	Mr. A.P.Ramesh	VLSI
7.	Mrs E.Kusuma Kumari	Antennas
8.	Mr. T.Sreenivasu	Image Processing
9.	Mr. M.Subba Rao	Communication Systems
10.	Mr. M.Satish Kumar	EMI/EMC
11.	Mr. G.V.Subrahmanyam	Antennas
<b>Information Technology</b>		
1.	Mr. G Srinivasa Rao	Computer Networks
2.	Mr. VKSK Sai Vadapalli	Data mining
3.	Mrs. A.Leelavathi	Networking
<b>Mechanical Engineering</b>		
1.	Dr.G.V.N.S.R.Ratnakar Rao	Alternate Fuels For Compression Ignition Engines
2.	Dr. D.V.S.S.S.V.Prasad	Manufacturing
3.	Mr. K.S.B.S.V.S.Sastry	Composites
4.	Mr. P.N.V.Gopal Krishna	Industrial Quality Engineering
<b>Master of Business Administration</b>		
1.	Dr. G.V. Subba Raju	Regulated Markets
2.	Mr. V. Kiran Kumar	Finance
3.	Mr.A.V.S.Kishore	Marketing
4.	Dr. S. Krishna Murthy Naidu	Organizational Culture
5.	Dr. B. Ravi Kanth	Applied Psychology
6.	Mr. D. Satyanarayana	Finance
7.	Dr. R.S.R.K. Kiran Kumar	Knowledge Management
8.	Ms. G. Neelima	Work Life Balance
9.	Mrs R.S.V. Rama Swathi	Work Life Balance
<b>Basic Sciences and Humanities</b>		
1.	Mr. N.Raja Sekhar	Fuzzy named Linear Vector Spaces
2.	Dr. P.V.N.Hanumantha Ravi	Fuzzy Set Theory, Fuzzy Logic and Application.
3.	Dr.V.V.Hanumantha Rao	Yeals and the Irish veda:The Unconscious Inheritance (20 <sup>th</sup> Century literature)
4.	Mr. K.Venkata Rao	Rohinton Mistry
5.	Mr. B.Ananda Rao	Wole Soyinka(or) Amiri Baraka
6.	Mr. P.Sivanjaneyulu	Toni Morrison
7.	Dr P.Sreenivasa Rao	Ultrasonic absorption studies in liquid crystals
8.	Mr. P.Sita Rama Raju	Terro electric materials
9.	Dr A.Janardhana Rao	Organo Phosphorous Chemistry

10.	Ms. P.Lakshmi Ganapathi	Physico chemicals heavy metal and characterization of microbial of drinking water, rural water supply
11.	Mrs. T.Sujani	Cohesion Analysis of Discourse

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

The institute frequently invites the eminent researchers for transfer of the information regarding research resources and industry-institute collaborative programmes to meet the industrial needs.

The following eminent people have visited the college and interacted with teachers and students of this college during the last four years and the details are presented in the following table:

S. No.	Name of the Eminent Person	Organization
1	Dr. R.Sreehari Rao	Vice Chancellor- K L University
2	Mr. Thomas Solomon	Director, Education Solotion Architech, Oracle
3	Dr Ramadasu	Scientist 'E'- R & DE (E), DRDO, PUNE, INDIA
4	Mr. Raghavendra Kanduri	PRDC, Bangalore
5	Mr Rahul Sachdev	SAP India Pvt. Ltd
6	Mr V S Prasad	Open Text
7	Mr Sriram Kottapalli	ITC Infotech
8	Mr Prasad Gunturi	WillisroInc Mineapolis (US)

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

About 2% of the faculty members have utilized Academic leave for their activities towards research.

- The college has a policy to encourage faculty to pursue their Ph.D at reputed Universities/IITs/NITs enabling them to promote research culture in the campus.
- 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.
- Dissemination of their enhanced knowledge levels in research activity to the peers and students and also to improve teaching learning process is encouraged.

As such 39 faculty members have either registered for Ph.D. out of which 06 faculty members are awarded and 01 faculty member has submitted PhD. thesis.

**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)**

- Both post-graduate and under-graduate students give preference to take up projects related to Industrial and society needs.
- The college encourages students to do projects which are of industrial and social relevance and they are normally directed to refer to journals in identifying the projects of their interest.
- 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.**

- 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?**

The college provides seed money to the faculty to take up research activity, presenting technical papers at national and international conferences.

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

Management is open to provide special grant for innovative project works, funds under research and development. 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 Principal organizes meetings with various departments and facilitates interaction between different departments for inter-disciplinary research.

**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 college library is open from 08:00 AM to 08:00 PM which is four extra hours beyond the working hours.
- Staff & students can work in the labs beyond college hours with the permission of HOD.

- Transport is provided for those who stay beyond college hours.
- The campus is connected with full-fledged LAN facility with workstations in every department. The faculty and students can avail various e-journals through library.

### 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.

**YES.** The details of special grants received from industry and other agencies for developing research facility in the college are presented in the table given below.

S. No	Name of the Organization	Title of the Project	Amount(Rs)	Activities and Benefits
1	Its Healthy Way	A Health Product	1,00,000/-	This project aims at analyzing what are the factors that cause diseases and designing a system that monitors and suggests people about health tips.
2	Insights of Data Inc., Hyderabad	3D face recognition system	1,00,000/-	Faculties and students are involved for the project. Video surveillance can be much more effective and easier.

### 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 at various Universities. The college is providing the following facilities and incentives to encourage their research.

##### i) Library facilities

e-Journals	<b>207</b>
Print Journals	72 (30 Journals+42 Magazines)
e-Books	<b>3,667</b>
No. of Computers	<b>70</b>
Facility	<b>Digital Library:</b> Video Projection Room Number of Computers : 70 with multimedia and Internet facility <b>Broad Band internet Connectivity:</b> Internet band width in the library is regulated in between 20 Mbps & 12 Mbps through BSNL & RAILTEL lines.
e-learning Material	8000 Hours of NPTEL Video Courses on 200 subjects NPTEL Web Courses on 129 subjects 300 Hours of MIT Video Lectures 300 Hours of Stanford Video Lectures 100 Hours of Harvard Video Lectures Learningware Materials for all Engineering Programmes

## ii) Licensed Software:

**Electrical and Electronics Engineering**

S.	Name of the Laboratory	Software Specifications	No. Purchased
1	Simulation lab	MATLAB R2011b (2012)	25 user
		L-Spice	Unlimited
		CAD	Freeware

**Mechanical Engineering**

S.	Name of the Laboratory	Software Specifications	No. Purchased
1	Auto cad lab	Solidworks	60
		Feamap	60
		Cutviewer mill & turn turn	10+10

**Electronics and Communication Engineering**

S. No	Name of the Laboratory	Software Specifications	No. Purchased
1	DSP Lab & MP&MC Lab	MATLAB R2011b	25 users
		CC Studio. 3.0	unlimited
2	E-CAD Lab DSP Lab & MP&MC Lab	XILINX 12.2i System edition.	25 users
		Mentor Graphics (Calibre , AMS, PYXIS)	30 users
		Lab Tech Spice (Ultra 3.7 Windows)	Unlimited 25 users

**Computer Science and Engineering**

S. No.	Name of the Laboratory	Software Specifications	No. Purchased
1	Software Engineering Lab	Operating System : Windows 7	MSDN(70)
		IBM RSA(Rational Software <i>Architect</i> )	30 Users
		Oracle 10g suite	60 Users
		Visual Studio suite	MSDN
2	Computer Programming Lab-1	Operating System : Windows 7	MSDN(75)
		IBM Rational Rose Suite	30 Users
		Oracle 10g suite	60 Users
3	M. Tech. Lab	Operating System : Windows 7	MSDN(15)
4	Computer Programming Lab-2	Operating System : Fedora Linux	Open Source

**Information Technology**

S. No.	Name of the Laboratory	Software Specifications	Number Purchased
1	Computer Programming Lab	Windows 7 / Fedora Linux 16i OS	MSDN(70)
		MSDN Academic Alliance 7.0	MSDN(70)
		IBM Rational rose	60 Users
		Oracle 10g	60 Users
		Net Beans7.0	Open Source
		Apache Tomcat 6.2 web server	Open Source

**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 to enhance the research facilities for procuring advanced equipment in laboratories and to enhance the R&D activities in the emerging areas.
- Encouragement given to faculty for applying to funding agencies like AICTE/UGC/CSIR etc., under various schemes like MODROBS, Research Promotion Scheme (RPS) mainly to establish research facilities.

**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.**

The following technology development projects are being carried out with following hardware and software

S. No.	Project	Hardware and Software specifications
1	Its Healthy Way	<p><b>Hardware Used for this project</b></p> <p>Processor : Intel Xeon E3 2.1GHz  RAM : 12 GB  Storage : 500 GB</p> <p><b>Software used in the project</b></p> <p>OS : Windows 7 Ultimate 64-bit  Tools :  (a) Informatic 9.5.1,  (b) Sql developer 4.0.3  (c) Java 1.7.0  (d) Toad 12.6  (e) Andriod SDK  (f) Oracle 11g  IDE : Eclipse</p>
2	Insights of Data Inc., Hyderabad	<p><b>Hardware Used for this project</b></p> <p>Processor: Intel I3, 3.0GHz</p>

		RAM : 8GB Storage : 500 GB HDD Graphics Card: NVIDIA 1GB <b>Software used in the project</b> OS : Windows 7 Ultimate 64-bit Visual Studio 2010 MATLAB 2011
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### 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
- Faculty members registered for PhD programme are allowed to avail research facilities at different Universities

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

- The library provides access to 207 e-journals and 72 print journals through which the researchers can access reputed journals like IEEE, ASME, Springer etc..
- The Digital Library consists of 70 computers with multimedia and Internet facility. It also provides E-Learning material like NPTEL, MIT etc., wherein the faculty can refer to the fundamental concepts of some of the emerging areas.

### 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 having more tie-ups 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.

Published 265 papers in various journals and six faculty members were awarded Ph.D degree in the last four years.

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

The college plans to publish research journal from 2015-16 academic year onwards.



Our faculty serving on the editorial boards of National and International journals are as follows.

Sl. No	Faculty Names	Department	Details
1	Mrs.G..Loshma	CSE	<ul style="list-style-type: none"> <li>• Technical Reviewer of ICACCI 2013, WCI 2013, WCI 2014 Conferences</li> <li>• Conference Committee Member of European Conference on Information Management and Evaluation (ECIME) since 2013</li> </ul>
2	Dr.Y S S R Murhty	CSE	<ul style="list-style-type: none"> <li>• Technical Reviewer of ICCIDM Springer Proceedings</li> <li>• Technical Reviewer of CTIT(Current Trends in Information Technology)</li> </ul>
3	Mr. Ch Raja Ramesh	CSE	<ul style="list-style-type: none"> <li>• Section Editor of IJITR (International Journal of Innovative Technology and Research)</li> </ul>
4	Dr. Rakesh Nayak	CSE	<ul style="list-style-type: none"> <li>• Section Editor of IJRCCT(International Journal of Research in Computer and Communication Technology)</li> <li>• Editor of IJITR (International Journal of Innovative Technology and Research)</li> </ul>
5	Mr. V. Venkateswara Rao	CSE	<ul style="list-style-type: none"> <li>• Technical Reviewer of DMIN Proceedings</li> <li>• Technical Reviewer of IJCT(International Journal of Computer and Technology)</li> <li>• Technical Reviewer of AIRCC Proceedings</li> </ul>
6	Dr.D.V.S.S.S.V. Prasad	ME	<ul style="list-style-type: none"> <li>• International Journal of Computer Technology &amp; Research (IJCTR); e-ISSN No.: 2319-8184</li> <li>• International Journal of Innovative Technology and Research (IJITR); ISSN No.: 2320-5547 and GIF Impact factor: 1.3064 as on 06th January 2015.</li> <li>• International Journal of Mechanical Engineering and Computer Applications; ISSN No.: 2320-6349; Index Copernicus impact factor value 5.21 as on 06<sup>th</sup> January 2015</li> </ul>

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

- Number of papers published by faculty and students in peer reviewed journals

(national / international) -265

- Books with ISBN/ISSN numbers with details of publishers 03(three)

Author Name	Title of The Book	Year of Publication	ISBN/ISSN Number	Publisher
Dr. P Sreenivasa Rao	Basic Engineering Physics	2013	978-93-5142-186-3	Himalaya Publishing House
	Engineering Physics Vol-I	2012	978-93-5097-033-1	
	Engineering Physics Laboratory Manual-I	2012	978-93-5097-033-1	

#### 3.4.4 Provide details (if any) of

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

- Dr. J. Srihari Rao is serving as performance auditor/mentor for TEQIP-II and also as auditor for AICTE NEQIP institution.
- Dr. Rakesh Nayak awarded as “Silver level Partner” from Infosys for Infosys Campus Connect programme in 2013.

### 3.5 Consultancy

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

- Finishing School of the institution interacts with industries to know their job requirement and the Manager(Corporate relations), of this institution acts as a liaison officer between the companies and college management.
- Our college has good alumni base who are currently working with many reputed companies. This group certainly helps us in campus placements.
- An assessment is made periodically to ensure the employability objectives which make sure to prepare the students on par with industry standards.
- Two experts from Industry are nominated as members on BOG of the college.
- Finishing school explores the possibility of our students to undergo in-plant training and to carry out their academic project work in such industries and also depute our faculty member to get industrial exposure during their vacation in reputed industries.
- Inviting industry experts for guest lecturers in every semester.

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

- Periodically the updated literature about the institution is being sent to prospective companies highlighting the latest achievements including the facilities available with the department.
- Major areas of expertise are advertised through department homepage in the main

college website and also through technical events/programmes, customized e-mails and public awareness talks.

- Industrial problems are always solicited to provide solution through expertise of faculty members.

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

- Faculty members will be encouraged by reducing the academic and administrative work load while executing consultancy works with the available equipments.
- Each department is motivated to develop the multi disciplinary faculties to address the present needs of both students and industries.
- The department encourages faculty members to visit industries to supervise the project work carried out by the students in industries and ascertain the possibilities for any consultancy/ collaboration activities.
- Through personal visits to industries in order to obtain consultancy work.

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

Consultancy activities are taken up recently. Details of consultancies done are given in ERD's.

**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 social outreach programmes which have created an impact on student's campus experience are:

- Students of ECE under AEKYA foundation visited surrounding villages to enquire and create awareness about "Grama Sabhas" and about various government schemes available to them. They have generated reports indicating the awareness and utility of various schemes.
- Students volunteered for Web Casting during ZP elections & General Elections 2014.
- Created awareness in students & public about the need for enrolling in electoral rolls during general elections and also to motivate the public on use of Voting Right.
- Created awareness about hygienic environment and pollution free climate
- Conducted Blood Donation Camp on the eve of Aluri Seetha Rama Raju Birthday.
- Organizing Seminars.
- Students and Faculties of IT Department have taken up a Computer Awareness Programme for Municipal School, Tadepalligudem for Class IX students in 2011-12.

- The college has planned to adopt some schools in future to promote computer awareness among school students of Govt./Municipal school.

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

The stake holders are invited to visit the campus and its various infrastructural facilities, interact with the members of faculty to obtain necessary information on the overall performance and quality of institution. Parent-Teachers meetings are regularly conducted to know about academic performance and quality of their wards and to provide constructive suggestions to improve the overall performance and quality of their wards and quality of institution. Periodically, performance reports are being sent to the stakeholders through SMS, e-mails, web publication and also through letters.

**3.6.3 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?**

- Computer Awareness Program for School Students
- Students and Faculties of IT Department have taken up a Computer Awareness Programme for Municipal School, Tadepalligudem for Class IX students in 2011-12.

**3.6.4 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.**

Academic learning is strengthened by practical experiences. It inculcates the value of empathy and compassion in the students who experience the real practical problems of social life. The skills of counseling distress management and socially responsible citizenship is inculcated in the students.

**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.**

It is proposed to develop an R&D/Skill development center in the college. In this regard negotiations are going on with M/s. RAAGA Associates, Hyderabad.

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

The Institution is having MOU's with following industries:  
ORACLE India Ltd., for WDP programme.

Infosys for Infosys Campus connect programme.  
TCS for conducting GATE and online competitive Examinations.  
Jawahar Knowledge Center of Government of AP. for student training & recruitment.  
Co-Cubes, Monster & AMCAT for Assessment and Campus Placements.  
Indian Telecom Innovation Hub(TBI) for develop & promote entrepreneurship and skill development in students.

**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.**

- QEEE program in collaboration with IITM, Chennai.
- Infosys campus connect program
- Jawahar Knowledge Center

**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.**

Details are provided in departmental ERDs

**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.**

Linkages with the organizations such as ITS HEALTHYWAY, IVRCL provided internships for students.

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

- Institution has planned and established linkages/collaborations related to academic and research activities with various industries and research institutes to implement training programs for students and faculty members in various specializations.
- College entered into MOU arrangements with various establishments mainly to establish the linkages / collaborations related to academic and placement activities.
- Inviting Expertise from various divisions from other industries for delivering Guest Lectures
- Establishing Industry Institute Interaction cell in the department and conduct of periodical meeting of the cell.

## 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 management is proactive and has a positive approach for the development of infrastructure facilities for the benefit of the stakeholders. Though the facilities were created in accordance with the AICTE norms, the facilities are being regularly upgraded as per the increasing requirements of the departments. An ambience most conducive to good academic activities and effective teaching-learning processes has been created. The infrastructure facilities were created with an undeterred motto of developing an institution unique in its nature and standing along with the prestigious institutions in the state of AP for effective teaching and learning processes.

The objectives are

- Providing spacious well-ventilated, well-furnished class rooms and laboratories
- Providing conference hall cum library in each department as supporting facilities.
- Using of ICT for academic processes.
- Providing internet access to students and faculty members to keep abreast with technology.
- Developing central library as a knowledge hub.
- Creating Staff rooms with optimal ambience.
- Developing labs as per curriculum requirement and also beyond the curriculum.
- Promoting learning through materials like Charts, Write Ups, Multimedia, Models etc.
- Providing amenities like canteen, transport, playgrounds, girls and boys lounges etc.
- Need analysis is made by each department and is discussed centrally and also by each department every year on the requirement for the next academic year.
- The respective departments will prepare budget proposals under different heads.
- In the Governing body meeting of the college, budget will be sanctioned for each department basing on the merit of each proposal.
- All purchases for development activities are carried out in a systematic manner.

**4.1.2 Detail the facilities available for**

- 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.

S. NO.	BLOCK	DEPARTMENTS/OFFICE	Area in Sq.ft.
1	A - Block	ECE Department-1 Finishing School President Room	15934.67
2	B - Block	CSE Department	19480.30
3	C - Block	EEE Department	19509.69
4	D - Block	ECE Department-2	19509.69
5	E - Block	BS&H Department	19509.69
6	Central Library/ Administrative Building	Central Library, Administrative Building, Digital Library	32211.32
7	F - Block	IT Department	13147.25
8	G - Block	MBA Department MCA Department AC Seminar Hall (with lift facility)	26012.92
9	H - Block	Mechanical Department	28839.09
10	Civil Block - 1	Civil Department	10954.64
11	Civil Block - 2		12145.56
12	Staff Quarters	Staff Quarters (Others)	4677.13
13	Boys Hostel-1	Boys Hostels	27310.19
14	Boys Hostel-2		29367.06
15	Girls Hostel-1	Girls Hostels	24404.15
16	Girls Hostel-2		28610.47
17	Bank Building	State Bank of Hyderabad Pedatadepalli Branch	1983.57
18	Workshop - 1	Mechanical Workshop	6504.41
19	Workshop - 2	Engineering Workshop	3264.80
20	Sports Complex	Shuttle Badminton Courts, Zym, Table Tennis Court	8482.39
21	Canteen	Store Room, Kitchen & Dining Halls	7256.38
22	Food Court/Security	Refreshment Stall, security office	442.32
<b>Total Built-up Area</b>			<b>359557.69</b>

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 and Games Activities:**

Sri Vasavi Engineering College strikes a balance between the axioms “Knowledge is power” and “Health is wealth”. The college promotes sports and games, as it offers the individual an opportunity to enhance self-knowledge, expression, personal development, courage and social interaction.

To develop team spirit, leadership qualities and organizing abilities among the students, sports & games meets are organized regularly in the college. The students of all departments are given an opportunity to participate and prove their talents. Students are encouraged to participate in inter-collegiate sports & games and our students excelled in various sports meets organized by other engineering colleges. The students are encouraged to take part in National level youth festivals to make them develop the sporting spirit. Students are trained in Yoga to get balance between the apparent strengths and latent abilities, for their psychological, and spiritual growth.

### **Sports meet conducted:**

#### **2014-15:**

College has hosted National School games federation of Bharat under 14,16,17,19 Table Tennis tournaments for boys & girls from 26 states & 4 union territories for 7 days.

#### **2013-14:**

JNTUK single zone inter collegiate girls meet for 8 districts. Affiliated and constituent colleges participated in 6 disciplines.

#### **2012-13:**

JNTUK zone –B inter collegiate tournament for boys and girls meet for 2 districts. Affiliated and constituent colleges participated in 6 disciplines.



<b>Facilities</b>	<b>Number available (Boys+Girls)</b>
Volleyball court	2+1
Basketball court	1
Throw Ball court	1
Shuttle Badminton courts (Cement courts +Wooden courts)	7+2
Kabbadi court	1
Chess Boards	5
Table Tennis Boards	2
Carom Boards	2
Kho-kho	1

**Gymnasium:**

Bench press	-	2
Cross Trainers	-	2
Cycles	-	2
Hasthi	-	2
Fourstations	-	2

**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).**

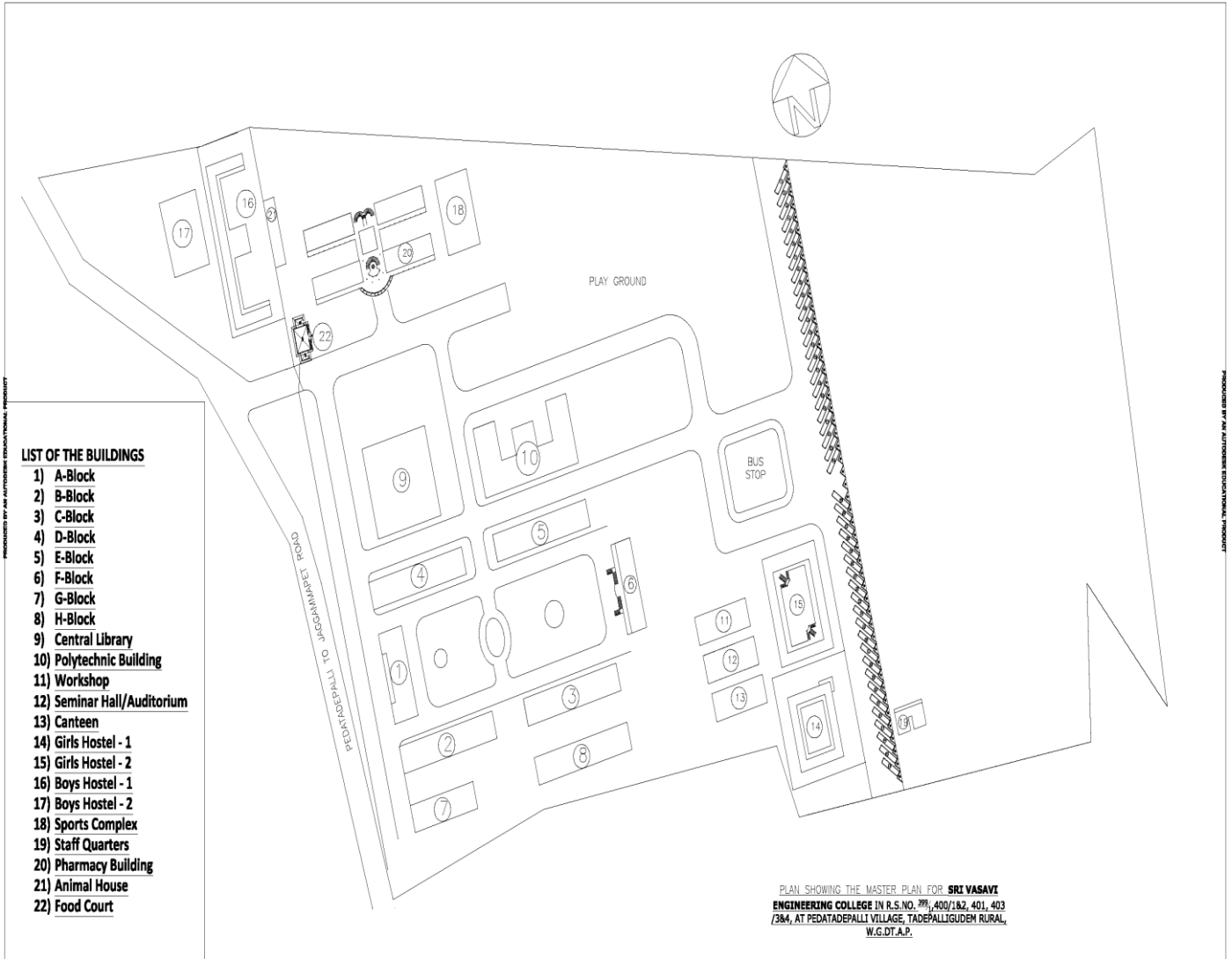
**The amount spent during the last three years for infrastructure (in Rs.):**

<b>S.No.</b>	<b>Description</b>	<b>2013-14</b>	<b>2012-13</b>	<b>2011-12</b>
1.	Infrastructure Land/Buildings	2,48,80,530	3,71,95,020	5,06,46,542

The following infrastructure is developed during the last four years

- Administrative & Central Library building
- Indoor games complex
- Air conditioned seminar hall
- Buildings for Mechanical and Civil Departments

Master plan of Institution



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

Wheel chairs available. Ramp & other supports are provided wherever necessary.

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

- Hostel Facility for both boy and girl students.
- Recreational facilities, Sports, yoga center, and common room with audio-visual equipment
- Computer facility including access to internet in hostel
- Facilities for medical emergencies
- Internet and Wi-Fi facility
- Accommodation given for bachelor faculty members (both men&women) in the college hostels.
- Residential facility for the staff.
- Constant supply of purified drinking water
- 24x7 Security Campus

#### Hostels:

S.No.	Description	Boys	Girls
1	Location	College Premises	College premises
2	Number of rooms	137	140
3	Capacity of accommodation	500	500
4	Internet and Wi-Fi facility	Yes	Yes
5	Supply of safe drinking water	Yes	Yes
6	Sports, Yoga center	Yes	Yes
7	Common room with audio-visual equipment	Yes	Yes
8	Residential facility for the staff	Yes	Yes
9	Constant supply of safe drinking water	Yes	Yes

**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?**

**Medical facility within the Institute / College:** A regular medical officer is available in the college campus who will attend to the medical needs of all the day-scholars, staff and hostellers and issues medicines for the simple ailments. In case of necessity of urgent and specialized medical services, the patient will be referred to the Govt. Hospital or to the local medical experts. A regular staff member of this college who is a qualified psychologist offers psychological advice to any student or staff who is suffering from any personal or academic problems.

The College has provided an exclusive Maruti Van for serving the sick students.(24x7 hours).

**Medical facility nearby:** Mother Vannini Hospital, at Pedatadepalli (3Km from College) is the nearest medical facility available which can provide all sorts of specialized treatment. The Govt. of A.P. Regional Hospital is located at main town Tadepalligudem which is 7Km. away from the college where doctors of all specializations are available. In the town, many private practitioners with different specializations are also available who can treat any type of ailment.

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

**Internal Quality Assessment Cell:**

IQAC is formed on 10-10-2014. Separate space has been provided for performing the activities of IQAC.

**Grievance Redressal Unit:**

**Constitution:** Principal – Chairman

One Faculty from each department – member

**Functions / Responsibilities**

- To interact with faculty & other staff at regular intervals and to find solutions for grievances if any, for the smooth and harmonious functioning of the institute.

**Women’s Cell:**

**Constitution:** Senior Lady Faculty – Chairman

3 Lady Faculty / Staff

2 Girl students – Members

**Functions / Responsibilities:**

- To interact with lady faculty, staff and girl students for any grievance they have and to suggest solution and to provide a working environment which is free from gender discrimination and comfortable.

### **Counseling and career guidance:**

Students are provided with information and guidance regarding selection criteria, processes and other details about exams (like GRE, TOEFL, CAT, MAT etc.) for admission into Universities in and abroad. Information derived from standard sources and requisite preparation-material in the form of booklets, is made available to students at the college library.

Students aspiring for higher careers are advised to go through the standard journals and magazines that the institution subscribes to, and reference books it procures for the benefit of the students.

Lectures by Industry people and workshops / awareness programmes by professionals and consultants are arranged at the college to equip students with firsthand knowledge of things so that they can rightly choose and appropriately pursue their career ambitions.

The Alumni of the college, who are placed in various organizations, form another potential source that the institution draws upon for providing guidance to the current batch of students. The Manager, campus recruitment keeps in touch with the Alumni, takes their inputs regularly and conveys them to the students.

### **Finishing School:**

The activity of training students in the required Soft Skills for making them employable started in the academic year 2006-07 at the college. The English teachers of Sri Vasavi Engineering College and an aptitude trainer started imparting training to students in the special periods given for Personality Development programs in the regular time-table.

In 2007, the training department was formed with a team of members – faculties from English and MBA disciplines–headed by the Placement Officer and another senior member of the faculty.

The T&P Cell has been reshaped as Finishing school in 2014. Manager, corporate relations interacts with the HR Personnel of various companies and organizes workshops and Campus drives, which bring awareness among the students about the industrial needs and deployment process. Apart from improving the core competent skills, regular classes are held for the students to improve their speech fluency with a focus on grammar and vocabulary in order to help them meet the corporate needs.

Finishing School comprises Manager(Corporate Relations), Manager(Campus Recruitment), Lead Training Resource Member(TRM) and Training Resource Members, Campus Recruitment Members and one Office Assistant. Experienced faculty from various disciplines like English, Psychology, Management and Mathematics act as TRMs. These TRMs would inculcate the essential qualities required by the students to climb up the ladder of success in their selected walk of life.

**Canteen:** YES

# Of Canteens: 2  
Sitting space: 350. Sq.mt.  
Daily usage: 500

**Recreational spaces for staff and students:**

Indoor Games Complex equipped with Shuttle Courts, Table Tennis, Gymnasium, Carroms, Chess, etc.

**Safe drinking water facility:**

Purified drinking water supply to all academic blocks, hostels & canteen.  
Mineral Water Plant with a capacity of 2000 Lts. per hour supplying mineral water to the entire Campus. Water Plant located on top of the D-Block (ECE Department Block).

**Auditorium:** An auditorium which is fully furnished and centrally air-conditioned with a seating capacity of 300 is available in the institute.

**Power Supply:**

24 hour H.T. 350 KVA Power supply from A.P. State Electricity Board.  
365 KVA and 125 KVA Captive power Stations.  
Main Panel Board located in the Generator Room and Individual Panel board controls in each academic Block & in the hostels.

**Power Back up:**

- No. of UPS : 24
- Total Capacity of Power Backup : 150 KVA

**Communications:**

4 nos. of BSNL direct Telephone lines and EPABX having 96 extensions.  
76 nos. of intercom facility  
06 nos. of mobile connections

## **4.2 Library as a Learning Resource**

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

Yes.- The library has an Advisory Committee

Chairman, Library Committee: A Senior Professor.

Library Convener : Librarian.

Committee Members: One Sr. Faculty from each Department.

- The committee is intended to plan and coordinate the execution of the requisite

procedures for the functioning of the library.

- It takes up the process of identifying, planning, and procurement of the books, journals, manuals etc.
- It ensures the upgradation of the library to keep pace with the technological developments.

**Significant Initiatives of the Committee:**

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

The following items fall under the purview of the committee:

- Ascertaining the number of books and journals available in the library
- Ascertaining whether the catalogue is up to date or not
- Budget planning for the year.
- Budget utilization of the previous year.
- Distribution of funds allocated for books, journals, periodicals etc.
- Purchase mechanism for the central library
- Infrastructure like tables, chairs, shelves, book racks etc. and their maintenance, fund allocation for the infrastructure and its utilization
- functioning of the digital library.
- Student and faculty utilization of the library.
- Effectiveness of the open access system.
- Student behavior with the books.
- Timings and any suggestions.
- Awareness activities of the library.
- Areas that need to be improvised in the library.

**4.2.2 Provide details of the following:**

- Total area of the library (in Sq. Mts.) : **2,070** Sq. mt.
- Total seating capacity : **600**
- Working hours (on working days, on holidays, before examination days, during examination days, during vacation)
- Academic working day : **8.00 A.M. to 8.00 P.M.**
- Sunday and Holidays : **9.00 A.M. to 1.00 P.M.**
- Before & During Examination Period : **7.00 A.M. to 9.00 P.M.**
- Vacation : **9.00 A.M. to 5.00 P.M.**

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

**First Floor:** Text book section, Circulation section, News Papers and Periodicals, e-Learning cum Media Resource Centre, Server Room, Book bank for SC/ST, Archive Room for Back Volumes, Reprography Section.

**Second Floor:**

Reference section, Journals section, Project Reports and Discussion Rooms, Reading Halls.

**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.**

Library holdings	2013-14		2012-13		2011-12		2010-11	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text Books	3204	10,10,613	3723	11,13,688	3738	9,40,476	2558	5,67,629
Reference Books	615		708		799		800	
Journals/Periodicals	72	1,21,479	71	39,636	71	39,495	71	60,864
e-resources	IEEE ASPP & POP	5,08,804	IEEE ASPP	2,76,390	IEL Online	3,86,750	IEL Online	3,83,390
DELNET Membership	Annual & DDS Fee	14,405	Annual Fee	11,500	Annual Fee	11,500	Annual Fee	11,500

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

- OPAC (Online Public Access Catalogue):  
Yes. An OPAC (Online Public Access Catalogue) has been created and made available via LAN in the campus.
- Electronic Resource Management package for e-journals:  
Yes- The Library Subscribes to IEL Online AICTE – INDEST consortium for e-journals.
- Federated searching tools to search articles in multiple databases:  
Yes. Guiding users to utilize authentic Federated searching tools like Open J-Gate & DOAJ etc. available on Web.
- Library Website: Yes. Library information is available on Institute website.
- In-house/remote access to e-publications :

In-house access: Yes.

Remote access: No.



- Library automation:  
Yes. Library has been automated; Resources/Collection was bar-coded and managed using Library Management Software.
- Total number of computers for public access:  
70 Desktops are available for public access in library.
- Total numbers of printers for public access:  
One Desktop Laser Jet and  
One Printer cum Photocopying Machine.  
Internet band width in the library is regulated in between 20 Mbps & 12 Mbps through BSNL & RAILTEL lines.
- Institutional Repository: Yes.
- Content management system for e-learning:  
Yes. Three Servers being maintained comprising  
(Globarena CMS Academic and Campus Ready modules recommended by JNTUK)  
Video Courses of NPTEL, MIT, Stanford, Harvard and Learning ware Materials for Engineering & Management Courses.
- Participation in Resource sharing networks/consortia (like INFLIBNET)  
Yes.

Resource sharing networks: DELNET (Developing Library Network)

Consortia: AICTE-INDEST

#### **4.2.5 Provide details on the following items:**

- Average number of walk-ins: 450/day
- Average number of books issued/returned: 300/day
- Ratio of library books to students enrolled : 1:15
- Number of books added during last three years: 3555
- Average number of login to opac (OPAC): 150/ day
- Average number of login to e-resources: 150/day
- Average number of e-resources downloaded/printed: 15/ day
- Details of “weeding out” of books and other materials: None

#### **4.2.6 Give details of the specialized services provided by the library**

- Manuscripts: None
- Reference: Yes.
- Reprography: Yes.
- ILL (Inter Library Loan Service): Yes.
- Information deployment and notification (Information Deployment and Notification) : Yes
- Download: Yes.
- Printing: Yes.
- Reading list/ Bibliography compilation: Yes.
- In-house/remote access to e-resources  
In-house access: Yes.  
Remote access: No.

- User Orientation and awareness: Yes.
- Assistance in searching Databases: Yes.
- INFLIBNET/IUC facilities : Yes.  
Member of “AICTE-INDEST” Inter-University Centre Consortium.  
AICTE Unique ID: 1- 4889341

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

The Library staff always extend their services to the students and teachers of the college and look after various aspects mentioned below.

- Library staff issue books, journals, new arrivals to the students and faculty
- Library is open beyond institute hours for students
- Library is well furnished and has a seating capacity of 600
- Call facility for demand on book is available in library
- Book bank facility is available to the students
- Library staff displays the important media notifications
- Library organizes book exhibition for students & staff
- Duplication/Reprographic facility is available in library
- Downloading and preserving the hard copy of study material
- Issue of books to departmental library.
- Special rights are given to faculty/students to access the e-Journals, Periodicals & Reference books
- Inter library loan facility provided to the students and staff
- Video Projection facility.

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

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

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

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

### 4.3 IT Infrastructure

#### 4.3.1. Give details on the computing facility available (hardware and software) at the institution. Number of computers with Configuration (provide actual number with exact configuration of each available system)

SNO	Description	Total
1.	<b>HP proliant ml330 g6 server</b> : Intel Xeon Quad-Core Processor, 8gb Ram, 1tb Sata Hard Disk, 17'' Led Monitor, Multimedia Keyboard, Optical Scroll Mouse, 10/100/1000 Mbps Ethernet Card , Hp Half-Hight Sata Dvd-Rom Optical Drive, Hp Cabinet.	1
2.	<b>IBM System X3200 M3 Server:</b> Intel Xeon Quad-Core Processor, 4gb Ram, 250gb Sata Hard Disk, 17'' Led Monitor, Multimedia Keyboard, Optical Scroll Mouse, 10/100/1000 Mbps Ethernet Card, Ibm Cabinet.	1
3.	<b>IBM X Series 226 Server:</b> Intel Xeon Quad-Core Processor, 4gb Ram, 2*250gb Sata Hard Disk, 17'' Led Monitor, Multimedia Keyboard, Optical Scroll Mouse, 10/100/1000 Mbps Ethernet Card ,Ibm Cabinet.	1
4.	<b>IBM x Series 206m server:</b> Pentium 4 Processors At 3.0 Or 3.6 Ghz , 250gb Sata Hard Disk, 17'' Led Monitor, Multimedia Keyboard, Optical Scroll Mouse, 10/100/1000 Mbps Ethernet Card ,Ibm Cabinet.	1
5.	<b>IBM X-Series 3100 M4 Server</b> :Intel Xeon E3-1220v2 Series (Quad-Core) 3.6 Ghz 8mb Cache,4gb Ecc Ram,500 Gb Sata Hdd, Integrated Dual Gigabit Ethernet	1
6.	Intel core i3 3.3 ghz, 2 gb ddr3 ram, 500 gb sata hard disk , 18.5'' led monitor , multimedia keyboard, optical scroll mouse , 10/100/1000 mbps ethernet card , hcl atx cabinet.	70
7.	<b>HCL SYSTEMS:</b> Intel Core 2 Duo 2.93 Ghz ,1 Gb Ddr2 Ram, 160 Gb Sata Hard Disk ,17'' Tft Monitor ,Multimedia Keyboard, Optical Scroll Mouse, 10/100/1000 Mbps Ethernet Card, Hcl Atx Cabinet.	91
8.	<b>DELL SYSTEMS:</b> Intel Core 2 Duo 2.20 Ghz ,1 Gb Ddr2 Ram ,160 Gb Sata Hard Disk, 17''tft Monitor , Multimedia Keyboard , Optical Scroll Mouse, 10/100/1000 Mbps Ethernet Card ,Dell Atx Cabinet ,Dual Layer 16 X Max Dvd Writer.	65
9.	<b>HP SYSTEMS</b> : Intel Core 2 Duo 2.20 Ghz,1 Gb Ddr2 Ram,160 Gb Sata Hard Disk, 17'' Tft Monitor, Multimedia Keyboard, Optical Scroll Mouse, 10/100/1000 Mbps Ethernet Card,Hp Atx Cabinet	107
10.	<b>WIPRO SYSTEMS:</b> Intel Dual Core 2.93 Ghz, 1gb Ram , 320 Gb Sata Hard Disk, 17'' Tft Monitor, Multimedia Keyboard, Optical Scroll Mouse, 10/100 Mbps Ethernet Card, Wipro Atx Cabinet.	4
11.	<b>WIPRO SYSTEMS:</b> Wipro evolv e6700,3.2 ghz dual processor, intel original motherboard, 2 gb ddr-3 ram, 500 gb hard drive @ 7200 rpm. wipro 19'' tft wide monitor, Wipro Keyboard And Mouse, inbuilt- lan card	63
12.	<b>IBM SYSTEMS:</b> Intel Pentium Piv 1.8 Ghz,1 Gb Ddr1 Ram, 80 Gb Ata Hard Disk, 15'' Crt Monitor, Keyboard, Optical Scroll Mouse, 10/100 Mbps Ethernet Card, Ibm Atx Cabinet	91

13.	<b>ACER SYSTEMS:</b> Intel Dual Core G630 Processor, 2 Gb Ddr Ram, 500 Gb Sata Hard Disk, 18.5'' Tft Monitor, Multimedia Keyboard, Optical Scroll Mouse, 10/100 Mbps Ethernet Card, Acer Atx Cabinet.	70
14.	<b>Lenovo Systems:</b> 8GB Ram , i3 Processor, 2 Gb Ddr Ram, 500 Gb Sata Hard Disk, 18.5'' Tft Monitor, Multimedia Keyboard, Optical Scroll Mouse, 10/100 Mbps Ethernet Card, Acer Atx Cabinet.	73
15.	<b>Lenovo Systems:</b> Intel® Core(TM)2Duo ,1GB Ram , HD – 120GB, 18.5'' Tft Monitor, Multimedia Keyboard, Optical Scroll Mouse, 10/100 Mbps Ethernet Card, Acer Atx Cabinet.	13
16.	HCL Intel p4(930) mother board 3GH3 Processor, 512 MB DDR2 Ram, 80GB Sata Hard Disk,15 CRT Monitor	58
17.	Wipro Intel p4 mother board 2.8GH3 Processor, 120 MB DDR Ram, 40GB Hard Disk,17 CRT Monitor	30
18.	Wipro WIV 201B p4 mother board 2.9GH3 Processor, 512 MB DDR Ram, 80GB Ata Hard Disk,17 CRT Monitor	17
19.	HCL Pentium Dual core,E5800@3.20GH, 1GB Ram,150GB Hard disk	2
20.	Laptop: 2GB Ram , Intel Celeron Dual Core 1007U , HD – 500GB	2
	Total	761

- Computer-student ratio: 1:4
- LAN facility: All laboratories, office , Digital Library, Staff rooms are connected through LAN
- Wi-Fi facility: Yes
- Licensed software

### CSE ,IT, MCA Departments:

S. No.	Name of the Laboratory	Software Specifications	Number Purchased
1	Software Engineering Lab	Operating System : Windows 7	MSDN
		IBM RSA(Rational Software <i>Architect</i> )	30 Users
		Oracle 10g suite	60 Users
		Visual Studio suite	MSDN
2	Computer Programming Lab-1	Operating System : Windows 7	MSDN
		IBM Rational Rose Suite	30 Users
		Oracle 10g suite	60 Users
3	M. Tech. Lab	Operating System : Windows 7	MSDN

4	Computer Programming Lab-2	Operating System : Fedora Linux	Open Source
5	Computer Programming Lab	Windows 7	MSDN
		Fedora Linux 16i OS	Open Source
		IBM RSA(Rational Software <i>Architect</i> )	30
		Oracle 10g	60
		Net Beans7.0	
6	MCA Lab	Apache Tomcat 6.2 web server	
		Turbo C, MultiSim, JDK and JSDK, Net Beans, Eclipse and Apache Tomcat Server, COBOL 85, ORACLE 10G Express Edition, Rapid Miner, Action Script 2.0, IBM Rational Rose	

**Mechanical and Civil Departments:**

S. No.	Name of the Laboratory	Software Specifications	Number Purchased
1	CAD\CAM LAB	Autocad 2013 (AICTE)	Unlimited
		Solidworks 2013-14	60 Licenses
		Cam works	10 Licenses
		Feemap v10.2	60 Licenses
		Cutviewer mill 3.2	10 Licenses
		Cut viewer turn 3.2	10 Licenses
2	MOS&MMS LAB	Bsl utm (software)	1 License
		Capture pro-4.2 microscope (software)	1 License

**EEE Department:**

S. No.	Name of the Laboratory	Software Specifications	Number Purchased
1	Simulation Lab	MatLab-2011B	25
2	PLC (Automation and CAD Lab)	PLC Software	22

**ECE Department:**

S. No.	Name of the Laboratory	Software Specifications	Number Purchased
1	DSP LAB & MP&MC LAB	Mat lab R2011b	25 users
		CC Studio. 3.0	unlimited

2	ECAD Lab	XILINX 12.2i System edition.	25 users
		Mentor Graphics (Calibre , AMS, PYXIS	30 users
		Lab Tech Spice (Ultra 3.7 Windows)	Unlimited

- Number of nodes/ computers with Internet facility: **All computers have internet facility.**

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

All computers in the college campus are provided with internet facility. Both the faculty and students can avail the facility.

Internet Providers:

Railtel- 12 MBPS  
BSNL- 20 MBPS

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

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

- To provide computer facility to every faculty member.
- To increase the bandwidth of internet facility
- To develop e-learning material utilizing the faculty resource.
- To develop multimedia based educational modules for the various courses.
- To procure and install industry specific software and to train students on these platforms to enable them to become industry-ready products.

#### 4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution

Description	2013-14	2012-13	2011-12
Procurement, up gradation, deployment and maintenance of the computers.	Rs.39,92,570	Rs.15,03,600	Rs.14,80,000

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

- The institution has adequate computer facility for its faculty. Faculty rooms are provided with internet facility in their respective departments for preparation of teaching learning materials.
- Faculty are encouraged to use power point presentations for delivering lectures and technical talks.
- Student feedback is taken online and analysis of student's feedback is generated using software.
- Every department has LCD projectors.
- Using NPTEL, MIT and other e-learning resources for self-paced learning that supplements regular lectures.

**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 effectively utilizes the highly accessible internet facility, ICT enabled class rooms and e-learning materials are made available to faculty and also students.
- In the digital library, e-learning material (NPTEL video lectures) and access to online lectures of experts from IITs, NITs and reputed institutes and online journal are made available.

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

Yes, the institution is utilizing the following resources

- QEEE-MHRD
- NPTEL
- MIT Courseware
- GLOBARENA-JNTUK-CoEerd

#### 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)?

S.No	Description	2013-14	2012-13	2011-12
1.	Laboratory equipment	Rs.52,39,274	Rs.80,64,623	Rs.48,47,879
2.	Library books and journals	Rs.12,06,414	Rs.16,30,009	Rs.12,39,760
3.	Furniture	Rs.14,61,338	Rs.45,89,877	Rs.14,13,541
4.	Vehicles	Rs.1,21,79,377	Rs.1,04,50,160	Rs.66,21,767
5.	Sports utilities	Rs.36,165	Rs.2,53,890	Rs.58,079
6.	Utilities like Generator , water plant, water coolers etc.	-----	Rs.3,36,000	Rs.19,01,800
7.	Others if any			
	Internet charges	Rs.506874	Rs.591720	Rs.535589
	AC machines	-----	-----	Rs.9,01,700
	Computers	Rs.39,92,570	Rs.15,03,600	Rs.14,80,000
	Lab Maintenance	Rs.3,66,000	Rs.3,40,277	Rs.2,98,247

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

The annual maintenance of the equipment in all labs will be done during the summer vacation every year. The technical and non-teaching staff will be engaged in this activity and they ensure that all equipment are functioning well and also seek external expertise if needed during the period. This ensures that teaching-learning process is run smoothly in all respects throughout the year. The stock verification will be done during the same period to help identify the nonworking equipment and suggest necessary replacements.

Regular cleaning and upkeep of the equipment is overseen by the faculty members who are the in-charges of the laboratories.

The annual budget and allocation of funds and regular monitoring of utilization of funds for maintenance ensures the upkeep of the infrastructure in the institute.

Annual Maintenance Contract (AMC) is given for critical and sophisticated equipment.

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

The calibration process will be taken up by each department for various equipment periodically.



Historical data of each equipment is maintained in the labs wherein the measured values are compared with earlier measured data and also with the standard values. Any deviation in this regard will be noted and necessary steps are initiated by calling for the technicians from the supplier.

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

- The generator available in the institute helps in continuous power supply without any hindrance.
- The computer systems and other sensitive equipment are provided with UPS systems so that power failure will not cause any damage.
- All precautions are taken to protect the precision equipment by providing voltage stabilizers and individual MCB<sup>s</sup>. Covers are provided wherever needed to keep the sensitive equipment in dust free environment.
- Continuous water supply is ensured through 5 bore-wells available in the college.

## CRITERION V

### STUDENT SUPPORT AND PROGRESSION

#### 5.1 Student Mentoring and Support

##### 5.1.1 Does the institution publish its updated prospectus/handbook annually? YES.

The college publishes **Brochure every year** which provides information for the benefit of students, staff and parents. It gives the details about

- The Society and Governing body members
- Vision, Mission statements and Quality policy
- Programmes offered
- Faculty details
- Infrastructure facilities
- Amenities
- Academic support facilities
- Extracurricular and co-curricular activities
- Placements

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

**YES.** The college provides scholarships not only for meritorious students but also for those who excel in sports and other events.

**Table 5.1**

S. No.	Year	Type of Scholarship	No of Beneficiaries	Amount (in Rs)
1	2014-15	Merit/Sports	171	1,26,500.00
2	2013-14	Merit/Sports	164	1,23,250.00
3	2012-13	Merit/Sports	133	94,500.00
4	2011-12	Merit/Sports	60	58,000.00
<b>Total</b>			<b>468</b>	<b>4,02,250.00</b>

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

**Table 5.2**

**Details of financial Assistance (Fee reimbursement) from A.P. State Govt.**

Category	No. of Students Received the Fee Reimbursement			
	2014-15	2013-14	2012-13	2011-12
<b>BC</b>	472	652	623	553
<b>EBC</b>	655	842	683	579
<b>SC</b>	165	240	238	218
<b>ST</b>	6	8	10	11
<b>Minorities</b>	32	41	33	28
<b>Total</b>	<b>1330</b>	<b>1783</b>	<b>1587</b>	<b>1389</b>

### 5.1.4 What are the specific support services/facilities available for

#### ❖ **Students from SC/ST, OBC and economically weaker sections**

- The SC /ST students receive financial assistance in the form of tuition fee, maintenance charges and pocket money from the Government as per the Government rules and regulations.
- The OBC Students also receive financial assistance from government in terms of tuition fee and maintenance charges and economically weaker sections get fees reimbursement as per the government rules.
- The college provides economic support in specific cases by reducing the tuition fee, bus fee and hostel fees.

#### ❖ **Students with physical disabilities**

- The college supports such students by all means wherever and whenever necessary.

#### ❖ **Overseas students**

- There are no overseas students in the college.

#### ❖ **Students to participate in various competitions/National and International**

- Encouraging the students by paying the travel expenses, registration fees.

- Due consideration in respect of attendance for students participating in important co-curricular, literary, cultural or sports events outside the college.
- ❖ **Medical assistance to students: health centre, health insurance etc.**  
Yes. The college has a medical centre with the following staff and facilities.

#### Medical staff to provide first-aid and medical help in emergency:

##### Availability of Ambulance services

- ✓ The College has provided an exclusive Maruti Van for serving the ailing students among both day- scholars and hostellers.
- ✓ Mother Vannini Hospital has one ambulance with all emergency medical personnel and medical equipment with Oxygen cylinders etc.
- ✓ Govt. Hospital is also having ambulance with all necessary equipment.
- ✓ Govt. of A.P.; **EMRI 108** ambulance services are also available.
- ✓ Response time in calling ambulance services from outside is **30 Minutes**.
- ✓ Group Insurance is provided for all the students.
- ❖ **Organizing coaching classes for competitive exams**
  - The departments provide guidance to their students preparing for competitive examinations like GATE/CAT/GRE/TOEFL.
  - The college has sufficiently well stocked library books for GATE/CAT/GRE/ TOEFL
- ❖ **Skill development (spoken English, computer literacy, etc.,)**

The college has the following laboratories to enhance student skills:

Language Lab	Space, Number of Students	Type of Tasks	Equipment and ambience available	Guidance/Learning
i) The Computer – aided Language Lab.	75 sq.mt. for <b>35</b> students.	Tasks given for improving Listening, Speaking & Reading Skills of students – in Phonetics, Telephoning Skills, Role play etc.	Computer system for <b>35</b> students with One master console, LAN facility and English Language software for self – study and task performance.	The teacher selects and gives tasks and tests from the Language software, and the students work on them.
ii) Advanced Communication	75 sq.mt. for <b>35</b>	Oral performance	Group discussions at	The teacher instructs and

Skills Lab.	students.	tasks like Situational Dialogue / Role play, Oral Presentations (preferred & extempore), „Just A Minute“ sessions, Debate; & Writing tasks like “describing objects / situations and people” etc.	round tables, movable chairs and audio-visual aids with a Public Address System for 35 students.	assesses the students, While the students perform the given tasks.
iii) English Communication Skills & Proficiency–Lab.	150 sq.mt, 65students	Instructional modules and audio visual lessons for training in conversational English, presentations (Oral & PPT), Debates, Interviews and GD“ s.	Computer systems for 65 students with One master console, LAN facility and English Language software and an LCD Projector for listening to educational CD’s, watching select DVD’s, Hand mikes, self – study and task performance.	Teacher acts as both instructor and facilitator and students learn language skills as participants as well as performers of various professional tasks required of them for their future career. Teacher provides explanation and interpretation after listening to /watching the content and students are encouraged to respond during the interactive sessions which follow

- **Support for “slow learners”**

Based on the internal exam and marks obtained thus, slow learners are identified and special guidance, along with remedial classes are arranged during the second half of the semester.

❖ **Exposures of students to other institutions of higher learning/ corporate/business house etc.**

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

❖ **Publication of student magazines**

- Departmental student associations bring out monthly/quarterly/semi/annual news letter which encapsulates all the activities that are done in the department (i.e., paper presentations and extra curricular activities along with co-circular activities).

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

Sri Vasavi Engineering College started its Entrepreneur Development Cell in the Academic Year 2008 – 2009.

**Objectives:**

- Firstly, Recognizing the Opportunity - To create a greater awareness of the opportunities and benefits of entrepreneurship in order to encourage more students to start a business or want to grow the heritage business they are in through innovative Products and procedures, and to develop a greater entrepreneurial culture within our institution.
- Secondly, Creating Enterprises - To create a greater number of sustainable start-up businesses with potential for further growth, particularly by core-technology represented groups of society such as Future Technocrats.
- Thirdly, Going for Growth - To increase the number of businesses that grow in India, thereby creating wealth, employment and opportunity.

**EAC (Entrepreneurship Awareness Camp):**

- Students along with senior faculty attended a Two-day work shop on “Exploring Entrepreneurship opportunities in Andhra Pradesh“ at Sri Vishnu Engineering College, Bhimavaram on 27-28 December 2014 under aegis of Centre for Entrepreneurship Development (CED), JNTUK, Kakinada.
- Students along with senior faculty attended a “Startup Village Boot Camp Programme” at Sunrise Startup Villages, Visakhapatnam on 29<sup>th</sup> January 2015 and a MOU is signed by and between Sri Vasavi Engineering College and Indian Telecom Innovation Hub-TBI (ITIHTBI) to establish Entrepreneurship Development Club which shall be run by students. In connection with this, the executive committee with students and senior faculty member as coordinator is

constituted to undertake the day-to-day management of Boot Camp Programme. Management of Boot Camp Programme.

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

**Promotion of participation of students in the said activity is done through the following ambience that the college possesses**

- Separate Gymnasium facility for boys and girls with two physical directors.
- Quiz club with faculty adviser
- Encouraging participation in inter-collegiate tournaments conducted in Cricket, Volleyball, Basketball, Tennis, Table-Tennis Athletics etc.
- Presenting merit certificates and mementoes to winners and runners in intramural Competitions for boys & girls at departmental annual association day celebrations.
- Encouraging and guiding the students to participate in co-curricular activities like paper presentations, seminars etc.
- Encouraging the students by paying the registration fee.

**a) Additional academic support, flexibility in examinations**

- Due consideration in respect of attendance for the students participating in important literary, cultural or sports events outside the college.
- Since the college has to follow the examination time tables of the affiliating university, there is no scope for deviation from examination schedule. Even in the internal examinations also, no consideration will be given for any student absent from regular test and no request is considered for a separate test.

**b) Special dietary requirements, sports uniform and materials**

**• Games and Sports Facilities:**

The college provides separate play ground for boys and girls in the campus:

**1. Basket Ball Court (concrete with acrylic board) – 1**

**2. Hostel Campus**

- a) Shuttle badminton courts (Boys) – 5
- b) Shuttle badminton courts (Girls) – 2

**3. Separate play Ground for Boys & Girls.**

- a) Volley ball courts – 2
- b) Cricket field – 1
- c) Throw ball courts (Girls) – 2
- d) Volley ball courts (Girls) – 1

e) Tennikoit courts (Girls) – 2

#### 4. Indoor Stadium facilities.

- a) Shuttle badminton courts (wooden floor) – 2
- b) Table tennis boards – 2
- c) Chess & Carom boards
- d) GYM Equipment (Bench press, two stations -2 , twisters, walker, weights, Dumb-bell, parallel bar, horizontal bar)

- College provides sports uniform to all the students participating in the inter-collegiate/inter University events and provides dietary supplements for such students.
- The expenditure incurred by the college on sports activities is given below:

S. No.	Academic year	Amount spent (Rs.)
1	2012-13	2,21,629/-
2	2013-14	1,23,996/-
3	2014-15 (till date)	57,403/-
Total		4,03,028/-

- Special diet is provided for students in their coaching camps.

#### 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.

❖ As mentioned at 5.1.4, the Training department (both English & Aptitude faculty) provide the necessary training for the students in preparing for the competitive exams. Good number of books on career guidance and competitive examinations is available in Library.

#### Number of students qualified in GATE

Year	No.of Students
2011-12	22
2012-13	21
2013-14	18



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

Year	No.of Students
2011-12	11
2012-13	17
2013-14	11

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

The teaching faculty of the Department is assigned with the task of monitoring and counseling the student groups. They act as advisors, interact with their respective group of students regularly, appraise the weaker students of their performance and provide remedial action to their setbacks by means of additional instructional classes. Periodic meetings between the various advisors with the H.O.D take place, issues are discussed and conclusions are drawn based on which recommendations are made and plans executed for the benefit of students. Persons of eminence in the society like personality development trainers, social activists and philanthropists are invited to inspire and influence students to become socially responsible citizens. One of the faculty members is a certified psychologist and provides his service to the students whenever necessary.

**Academic Counselling:**

For every 15-20 students, one faculty member is assigned to take up the role of faculty counsellor / mentor whose primary activity is to monitor the academic progress of the students under his/her care and to take corrective measures for any aberration in their progress in academic pursuits. This also helps to check absenteeism.

**Personal Counselling:**

The student advisors also play the role of personal counsellor in whom a student can confide their personal problems. The faculty advisor strives to arrive at an appropriate/amicable solution through the counselling along with the HOD. The Principal also counsels the students and tries to mould them in right direction. A Grievance Redressal Cell is also constituted to address the grievances of the students and to attend to their problems.

**5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students?**

Yes. This is taken care by finishing school

The college has a structured mechanism for career guidance and placements of its students.

**Students Career Guidance and Mentoring**

Students are provided with information and guidance regarding selection criteria, processes and other details about exams (like GRE, TOEFL, CAT, MAT etc.) for admission into Universities abroad. Information derived from standard sources and requisite preparation-material in the form of booklets, is made available for students at the college library.

Periodical opportunities that occur in study and careers are also displayed in the departmental notice-boards. Students aspiring for higher careers are advised to go through the standard journals and magazines that the institution subscribes to, and reference books it procures for the benefit of the students. Lectures by Industry persons and workshops / awareness programmes by professionals and consultants are arranged at the college to equip students with firsthand knowledge of things so that they can rightly choose and appropriately pursue their career ambitions.

The Alumni of the college, who are placed in various organizations, form another potential source that the institution draws upon for guidance to the current batch of students. The Manager (Campus Recruitment) keeps in touch with the Alumni, takes their inputs regularly and conveys them to the students.

An annual Alumni meet is also held at the institution which facilitates a lively interaction between the “placed” and those “aspiring to be placed”. Senior faculty members act as mentors to guide students in this direction.

The institute strongly believes that counselling is the best method to help students overcome the difficulties either in academics or in acquiring appropriate etiquette. Particularly at the age of adolescence, when the behaviour of student is shaped by various positive and negative factors, counselling is the best way to put them in the right direction.

### **Career Counselling:**

- The Manager, Campus Recruitment of the college plays a critical role in this regard. Besides his regular role, he frequently visits each and every class to motivate and counsel students in the career aspects. He explains in detail the career prospects, preparation for campus placement and career development activities. The necessary training programs in soft skills and other life skills development have been arranged under the aegis of the Finishing School which also includes experts from industry as trainers. The college has constituted a dedicated team of English Faculty exclusively for developing Soft Skills of the students. Soft Skills and Training Programmes are conducted as part of regular curriculum with internal resource persons and timeslots are allotted in the regular time table. Career guidance is also provided through external corporate training agencies like FACE, TIME etc.
- The college is an Advanced Partner of Campus Connect initiative of Infosys for enhancing the Employability Skills of the Engineering Graduates.
- Infosys Campus Connect “Foundation Program” module is being rolled out every year to III year B.Tech students. Faculty members of CSE & IT earlier trained by experts of Infosys Technologies, train the students in the following areas.

<b>Career Counselling through Foundation Program</b>	<b>Student Demographics</b>
Introduction to Computer Systems (ICS)	To the III B. Tech. Students
Problem Solving Techniques (PST)	
Operating Systems (OS)	
Programming & Testing (P&T)	
Relational Data Base Management Systems (RDBMS)	
Object Oriented Concepts (OOC)	

### ❖ **Campus Recruitment**

Efforts are being made by the institution to improve the employability of the students and industries are invited to the campus to recruit students. Efforts made by the college are given below:

#### • **Finishing School**

A full-fledged Finishing School of the institution comprising Manager, Campus Recruitment Manager, Corporate Relations, Lead, Training Resource Member, and TRMs, one Office Assistant and Campus Recruitment Members. It monitors and organizes continuously the training and placement activities. The School regularly contacts all relevant industries / companies and conducts placement drives.

#### • **Special Training in English Language and Communication Skills**

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

### ❖ **Regular Training in Aptitude & Other Soft Skills**

Regular training in aptitude and soft skills is provided to the students at pre-final and final year level both by the external and internal resource persons.

### ❖ **Special customized training based on Industry requirement**

The suggestions of industry representatives on the Board of Governance and Industry are used to identify the customized training needs of individual departments. Industry relevant customized training is provided to students before the commencement of recruitment process. In addition, guest lectures are arranged on specialized areas relevant to the present day industry. Experts address students during their visit to the Institution.

**Number of Placements**

Category	2014-till date	2013-14	2012-13	2011-12	2010-11
UG	171	103	107	166	188
PG	35	49	68	74	31
<b>Total</b>	<b>206</b>	<b>152</b>	<b>175</b>	<b>240</b>	<b>219</b>



Tech Mahindra Campus selections – 20 studetns



CADSYS Campus selections – 18 studetns



MIRACLE Campus selections – 16 studetns



Virtusa Campus selections – 09 studetns

**5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.**

❖ **Student Welfare and Discipline Committee.**

Functions / Responsibilities:

- To monitor the weekly and monthly attendance particulars of students and its intimation to the parents / guardians.
- To counsel the students and suggest remedial measures if they have any problems.
- To monitor the compliance of the dress code by the students.
- Non usage of the cell phones in the campus.
- To recommend disciplinary action for general misbehavior, malpractices in examinations etc.

**Constitution:** One senior faculty nominated by Principal – as Chairman

One faculty member from each dept.

The following are the committee members

- |    |   |                 |
|----|---|-----------------|
| 1. | PRINCIPAL   | - Chairman      |
| 2. | All HODs  | - Members       |
| 3. | Dr. V.V. Hanumantha Rao (BSH)                     | - Member        |
| 4. | Sri. P. Sita Rama Raju (BSH)                      | - Member        |
| 5. | Sri. K. Ranga Rao (Deputy Warden for Boys Hostel) | - Member        |
| 6. | Smt. Bhavani (Deputy Warden for Girls Hostel)     | - Member        |
| 7. | Sri. B. Rama Gopal (Physical Director)            | - Member        |
| 8. | Sri. N. Raja Sekhar (BSH)                         | - Convener      |
| 9. | Secretary & Correspondent                         | -Invited Member |

❖ **Grievance redressal Committee.**

Functions / Responsibilities

- To interact with faculty & other staff at regular intervals and to find solutions for grievances if any, for the smooth and harmonious functioning of the institute.

**Constitution:** Principal – Chairman

One Faculty from each department – member

**5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?**

The Women Grievance Redressal Cell (WGRC) headed by a senior lady faculty looks into any matter related to harassment of the women faculty and students.

**Functions and Responsibilities of WGRC:**

- Cell formed at the beginning of every academic year.
- Although no such event / incident has been reported so far in the past 13 years, since the inception of the institution, a Women Grievance Redressal cell has been constituted headed by a senior (female) faculty member.
- Other members are drawn from the lady faculty of all departments.
- Functioning mechanism of the cell is based on the complaints by the students and staff (if any) that can be brought to the notice of the Convener directly or to any of the members of the Redressal cell.
- Issues that can be addressed range from eve teasing, ragging, and humiliation to sexual abuse & harassment, personal problems and psychological /medical cases.
- Opportunity is given for the complaints to present their points of view and their problems.
- From the discussions and the facts presented, decisions will be taken to solve the problems.
- In case of necessity, the issue will be referred to the Principal and Management for their decision.
- Suitable corrective measures will be taken in the best interests of the students and the faculty based on the instructions of the Principal and the Management.

**Members of the WGRC:**

S.No.	Name	Position
1	Mrs G Loshma (CSE)	Convener
2	Dr.E.Kusuma Kumari (ECE)	Member
3	Mrs. N. Janaki (BSH)	Member
4	Mrs. N.Tulasi Radha (Mech)	Member
5	Mrs D Anjani Suputhri Devi (CSE)	Member
6	Ms. G.Neelima (MBA)	Member
7	Mrs P Tulasi (PA to Principal)	Member
8	Ms. U. C. Sravanthi (CSE)	Student Representative
9	Ms. J.L.Gayathri (ECE)	Student Representative

**The major Grievance actions taken are**

- Till Date no Grievance has been reported.
- JNTUK –Directorate of CEOW had provided copies of a book titled “Adolescent Girl’s Health” in Telugu to create awareness among the girl students on health related problems and hygiene. These books were issued to all girl students, women and grievance cell In-charges in the college. They were requested to create awareness among girl students and women regarding this book. Copies of this book were made available in Girls Hostel also.

**5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

**YES.** The college has an anti ragging committee consisting of faculty and staff from all departments to curb this evil and make the campus ragging-free.

**Anti Ragging Committee**

**Functions / Responsibilities:**

- Appraising the students about the contents of the anti-ragging act and advising them not to involve in the incidents of ragging.
- Making frequent visits in the campus to prevent any act of ragging.
- Visiting class rooms and explaining the students about the severe punishments and the consequences likely to be imposed as per the act.
- Faculty members accompany the students in college buses to control them.
- Conducting surprise visits to students' rooms residing outside the campus.
- Making regular visits to the hostel during night hours.
- Display boards, charts and banners depicting the seriousness of actions to be taken in case of any ragging incident and give wide publicity by displaying those boards, charts and banners at prominent locations inside and outside the campus.
- Constituting flying-squads to keep track to eradicate/minimize the ragging menace.

**Constitution:** Chairman – Principal  
All HODs – members  
Physical Director  
Administrative Officer

**5.1.13 Enumerate the welfare schemes made available to students by the institution.**

- Canteen, Indoor games, Gymnasium, Reading room and Guest rooms for boys and girls separately.
- Accidental Insurance to the students.
- Financial support and necessary facilities to physically challenged students as and when required.
- Provision of giving Scholarships/ fee Waiver by the Management to the needy students.
- The college provides fees concessions to a few deserving candidates.
- Merit scholarships, cash awards for best progress.
- The placement training programmes organized in the campus is extended to all students.

**5.1.14 Does the institution have a registered Alumni Association?****Yes.****Alumni association:**

The Alumni Association of Sri Vasavi Engineering College was registered on 20<sup>th</sup> December 2008 under the Andhra Pradesh Societies Registration Act 35 of 2001, as Society No.673 of 2008.

The aim of the Alumni Association is to provide a forum for former students to make invaluable contributions and to become ambassadors for Sri Vasavi Engineering College, establish and maintain contact with industry and identify possible donors. The primary objective is to build and maintain positive relationship between the college and Alumni by serving the needs and interests of Alumni and encourage Alumni to play an active role in the future pursuits of the college.

The college strongly believes in the fact that well informed Alumni are powerful ambassadors of the institution. An annual meet of the Alumni association is held to inform them of the college activities and elicit suggestions from them. Apart from this, an interactive session between the Alumni and current students is also organized. This association enables the Alumni to take part in the activities of the institute and share their experiences which are of great help to the present students. It promotes social and cultural activities among its members. It also helps the alumni seek advice on technical matters from the institute. The moment of pride to the institute is the success of its Alumni.

To keep track of the achievements of its Alumni, one of the senior faculty members is appointed as the coordinator of Alumni association. The college has decided to give an award to its alumni, who have shown a high level of achievement in their respective field. All the outgoing students are the members of the Alumni Association.

**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		Number of Higher Studies & Placements				
		2014-15 (To till date)	2013-14	2012-13	2011-12	2010-11
UG to PG		---	34	43	34	20
PG to Ph.D.		---	2	Nil	Nil	Nil
Employed	Campus Selection	206	42	70	142	132
	Other than campus recruitment	-	110	105	98	87



**5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.**

There is no grading system for the colleges affiliated to JNTUK, Kakinada.

**Programme - wise Success Rate (pass %) for the last Four Years**

Course	Branch	Year			
		2013-14	2012-13	2011-12	2010-11
UG Courses	ECE	86.23	94.53	91.11	97.74
	EEE	88.41	92.19	95.71	94.12
	CSE	88.97	93.02	97.1	93.38
	IT	74.6	81.25	89.92	89.6
	MEC	86.96	----	----	---

PG Courses	M.Tech	Branch	2013-14	2012-13	2011-12	2010-11
		ES/DECS	71.43	80	100	80
VLSI&ES	100	66.67	100	88.89		
CSE	50	83.33	100	94.12		
PE	35.71	80	90	94.12		
PSC&A	66.67	100	-----	---		
ME	----	---	-----	-----		
MBA	100	100	96.49	94.74		
MCA	100	100	100	98.33		

### **5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?**

**The institution provides the following facilities.**

#### **❖ For Higher Studies**

- Comprehensive Training sessions are held for 2nd and 3rd year B. Tech students by the in-house trainers as well as JKC trainers, with a special focus on Verbal ability, Aptitude, Personality Development, Communication and Soft Skills.
- GATE, GRE, TOEFL, CAT Training sessions are conducted for the registered students of 3rd / 4th year B.Tech, in the college beyond the college hours.
- Training in Aptitude is imparted by Trainers.
- Students are provided with material that helps them to manage time and resources.
- Mock Tests are conducted to infuse confidence among them.
- Regular practice of Group discussions on various topics is given to the students.
- Students are encouraged to speak in English and special training sessions are being conducted for them.
- Some students of our college are pursuing MS in abroad and M.Tech.in renowned colleges in India.

#### **❖ For Employment**

**Training Programmes that promote Industry-readiness and Social awareness in students:**

- In addition to its regular routine, the Finishing school arranges expert lectures by Professors, Industry men and those proficient in various fields of social activity.
- Special training modules for eligible students, like ‘Infosys Campus – Connect’ programmes (for II & III year students respectively) are conducted in tandem with reputed Software organizations to enable students face today’s competition confidently.

#### **Training for Trainers:**

The members of training department, skilled and experienced in their respective areas of teaching, are sent to participate in various workshops and trainer-training programmes for continuous up gradation of their awareness and knowledge. Some of them also go out and present papers and lectures in seminars and workshops conducted by other institutions. This way, they get abreast of the emerging trends in educational and professional fields, and could guide their students on the right path to success.

**The following are the various training programmes provided by the institution**

#### **Academic Year 2014-15**

1. A seminar on SAP by Mr. Ch. Srinivas Sesha Narayana from SAP student academy on 21/06/14 to final year students of CSE, IT, EEE, ECE, Mechanical & CIVIL.

2. A workshop was organized for the final year B. Tech. & MBA students by National Small Industries Corporation (NSIC) on 25<sup>th</sup> & 26<sup>th</sup> June 2014.
3. A Pre Assessment Test was conducted for final year B. Tech. students as a part of CRT on 28/06/'14.
4. A special CRT program was conducted for final year students of CSE & IT from 07/07/'14 to 12/07/'14.
5. A special CRT program was conducted for final year B. Tech. students of ECE & EEE from 14/07/'14 to 17/07/'14.
6. As part of CRT, Mock tests were conducted for final year CSE, IT & Mechanical students on 14/07/'14.
7. Final year students of CSE & IT attended an online test conducted by 'Retail on' as part of the recruitment process on 15/07/'2014.
8. A special CRT program was conducted for final year students of CIVIL & MCA from 22/07/'14 to 28/07/'14.
9. An essay writing competition was conducted for final year B. Tech. students during the occasion of the Birth Anniversary of Bharat Ratna Sri Mokshagundam Visweswarayya on 08/08/'14.
10. Phase II Special CRT for final year ECE & Mechanical students was conducted from 22/08/'14 to 28/08/'14.
11. Phase II Special CRT for final year EEE & CIVIL students was conducted from 01/09/'14 to 06/09/'14.
12. Phase II Special CRT for final year CSE, IT & MCA students was conducted from 08/09/'14 to 13/09/'14.
13. CoEeRD 2-Way HD System for effective delivery of lectures by eminent personalities in their respective fields: 13<sup>th</sup> September 2014: 2<sup>nd</sup> & 3<sup>rd</sup> years CSE, ECE & EEE students

#### **Academic Year 2013-14**

1. Co – Cubes Pre – Assessment Test 1 for final year B. Tech students and MCA was held on 04/01/'14.
2. AMCAT Assessment Test for final year B.Tech students and MCA was held on – 06/01/'14
3. Campus Connect Foundation Program 2 batches got started on 20/01/'14. The Batch Ids are 2014-246-01, 2014-246-02.

4. TCS Training Program by In- house Trainers was conducted from 24/02/'14 to 25/02/'14(Final B. Tech. & MCA students).
5. TCS & INFOSYS External Training was given from 03/03/'14 to 07/03/'14 for final B.Tech students.
6. 5.3.'14 Interactive session by SriKanth Surampudi , HR. Regional of Hyd, for III year B.Tech students.
7. Co – Cubes Pre-Assessment Test – 2 was conducted on 11/03/'14.
8. Infosys In – house training is being conducted from 12/03/'14 by Mr. M. Ramesh, Mr.Riaz & Mrs. T. Sujani.
9. A seminar on Soft Skills was held on 18/03/'14 for 4<sup>th</sup> B. Tech. CSE, ECE, IT, EEE & Mechanical by Prof. Senapathi from Siva Shivani Institute of Management.
10. An online test was conducted to the final year students of CSE, ECE, EEE & IT by American Mega Trends India at SRKR Engineering college, Bhimavaram on 17/04/'14.

#### **Academic Year 2012-13**

1. Special Training Program for Yash Technologies On - Campus Drive has been conducted from 10/11/'13 to 14/11/'13. The Training was given on Technical, Verbal, Aptitude & Soft Skills
2. National Education Day Celebration was organized on 11/11/'13. On this occasion, Essay Writing (1<sup>st</sup> Year) & Elocution Competitions for II, III & IV year students were conducted.
3. Mock drive Sessions for final B. Tech. Students & Final MCA students were held on 15/11/'13 & 16/11/'13.
4. Training Program for Lloyd Electric & Engg. Ltd for final Year Mech. & EEE was conducted from 26/11/'13 to 30/11/'13.
5. Campus Connect Foundation Program Batch – Two batches of students have been trained successfully.

#### **Academic Year 2011-12**

1. Infosys SPARC program was conducted for 4<sup>th</sup> Year B. Tech. Students on 30<sup>th</sup> July'11.
2. One week Campus Recruitment Training Program was conducted for 4<sup>th</sup> Year B. Tech. Students from 22<sup>nd</sup> Aug'11 to 4<sup>th</sup> Sept'11.
3. Syntel Training Program was conducted for 4<sup>th</sup> Year B. Tech. Students from 11<sup>th</sup> Oct11 To

14<sup>th</sup> Oct'11

4. Infosys Campus Connect program was held in 3 Months for 3<sup>rd</sup> year B.Tech Students from 28<sup>th</sup> Nov'11 to 05<sup>th</sup> Mar'12.
5. Syntel Training Program was conducted for 4<sup>th</sup> Year B. Tech. Students those who are selected in written test from 9<sup>th</sup> Jan'12 To 21<sup>st</sup> Jan'12.
6. A 12 Days MTA Certification Training program was conducted for 4<sup>th</sup> year B.Tech students from 9<sup>th</sup> Jan'12 to 28<sup>th</sup> Jan'12.
7. TCS Drive-Aptitude training given for 4<sup>th</sup> Year B. Tech. students who were eligible for written test from 21<sup>st</sup> Feb'12 to 22<sup>nd</sup> Feb'12.

#### 5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

Students who are at the risk of failure and dropouts will be identified by the advisors from faculty and provided with special attention and counselling. Special classes are also arranged as a support for the student to learn better. Parents of those students are also invited to college to have positive discussion about their ward with the HOD, senior faculty members and student mentor concerned. The purpose is to serve the students and his/her parents with solutions to the problems being faced by students in academics. As a result of this, some students excelled in their studies by gaining the moral support, encouragement and settled in their lives in a colourful way.

Branches	ECE	EEE	CSE	IT	ME	M.Tech	MBA	MCA
<b>Academic year 2013-14</b>								
Students Admitted	144	70	141	63	72	50	92	46
Drop outs	6	1	5	0	3	2	2	0
No.of students appeared	138	69	136	63	69	48	90	46
No of students completed in 4 years	119	61	121	47	60	28	90	46

Academic year 2012-13								
Students Admitted	134	66	135	119	NA	42	98	53
Drop outs	6	2	6	7	NA	0	3	3
No.of students appeared	128	64	129	112	NA	42	95	50
No of students completed in 4 years	121	59	120	<b>91</b>	NA	34	95	50
Academic year 2011-12								
Students Admitted	141	66	140	131	NA	88	60	54
Drop outs	06	04	02	12	NA	0	3	2
No.of students appeared	135	70	138	119	NA	88	57	52
No of students completed in 4 years	123	67	134	107	NA	83	55	52

### 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.

In order to bring out the inner talents of the student community, sports and cultural activities like singing, dance, skits, mimicry etc., are conducted in the college. All these events are conducted under the auspices of the Technical and Cultural associations of the Departments. The Annual Day celebrations are conducted in a way to hone the creative, aesthetic and also professional skills of the students. Our College has self-financed Social Service Units which stand for values, self-help and dignity of labor. Our units participated in various rallies and organized several Blood Donation camps.



They also participated in philanthropic activities like “clean and green”, visiting, donating, interacting with homeless in old age homes with an objective to promote high standards of professional ethics, transparency and accountability.

#### **Youth Red Cross (YRC) Wing:**

- YRC was started on 16th December, 2008 in Sri Vasavi Engineering College, with affiliation to Indian Red Cross Society, West Godavari District Branch – Eluru.

#### **The following blood donation camps were arranged:**

<b>Date</b>	<b>In Collaboration with</b>	<b>No. of Students Donated</b>
04-07-14	Govt. Blood Bank / ASRAM, Eluru on the occasion of Alluri Sitha Ramaraju Jayanthi Celebrations	398
29-02-2012	Alluri Sitarama Raju Academy of Medical Sciences, Eluru. On the occasion of National Science Day	119
01-10-2011	Red Cross society, West Godavari Branch. On the occasion of world blood donors day.	130
03-08-2011	W.G.Dt Govt. Hospital Eluru, On the occasion of former Director Prof. B. Janardhan Reddy” s death anniversary	120

- Participated in the Anti-Ragging Rally on 13-08-2010 at Tadepalligudem town conducted by the DSP, AP Police.
- 57 Students Participated in Police Commemoration Week-Celebration rally conducted by AP Police at Tadepalligudem on 21-10-2009.
- 38 Women Students Participated in an awareness programme on “Women Safety In Our Society”, organized by Circle Inspector of police, Tadepalligudem on 25-09-2009.

JNTUK Youth Festival Conducted at University Campus:

- ***Won First Place in Photography***
- ***Won First Place in Skit (Let Us Save Us)***
- ***Won Second Place in Western Group Song.***

### **Social Service:**

**SAHAYA:** Sri Vasavi Engineering College extended their hands to help the needy. These helping activities are going on under the name of “SAHAYA” with the slogan “The Helping Hands”, which aptly suits its purpose. The management of Sri Vasavi Engineering College always instilled this confidence in the students that they are always there to support the activities of students by extending their whole hearted cooperation.

List of Events Conducted by Sahaya Team:

<b>Academic Year: 2014-2015</b>			
<b>S.No</b>	<b>Date</b>	<b>Service Activity Details</b>	<b>Venue</b>
1	24/07/2014	Donated Rs.18,000 to M. Naga Lakshmi, CSE student towards medical expenses due to her accident.	Sri Vasavi Engg College TPG
2	24/11/2014	Donated an amount of Rs. 1500/- to Mr Lakshmi Vara Prasad a 28 year old press reporter suffering with Brain TB towards medical treatment	Sri Vasavi Engg College TPG
3	16/02/2015	Donated an amount of Rs.6,400/- to Mr K Venkatesh, 3 <sup>rd</sup> Year DCME student, SVEC towards medical expenses as he met with an accident.	Sri Vasavi Engg College TPG

<b>Academic Year: 2013-2014</b>			
<b>S.No</b>	<b>Date</b>	<b>Service Activity Details</b>	<b>Venue</b>
1	18/08/2013	An association distributes books for undergraduates and intermediate blind students for no cost. Donated Rs.9000/-	Help to Help Association for Blind, Visakhapatnam
2	09/11/2013	One of College Attender son was suffering with mental illness. Donated Rs. 21,100/- for his medical expenses.	SRI Vasavi Engg College TPG
3	22/02/2014	Raghavendra,6 year old child, needed Open Heart Surgery in Narayana Hrudayalaya, Bangalore. Donated Rs.8,900/-	SRI Vasavi Engg College TPG



4	12/04/2014	Team of Sahaya served food for the old people residing in OLDAGE HOME.	Oldage Home, Padala, Tadepalligudem
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<b>Academic Year: 2012-2013</b>			
<b>S.No</b>	<b>Date</b>	<b>Service Activity Details</b>	<b>Venue</b>
1	20-09-2012	Team of Sahaya is asked to pay the house rent to continue the uninterrupted services of serving blind people. So we paid the House rent of Rs.6000/-.	Drusti Pradhata Blind School, Kovvuru
2	28-09-2012	An Association for blind approached the Sahaya and asked financial support for printing Braille Books. This association distributes these books for undergraduates and intermediate blind students for no cost. Donated Rs.9000/-	Help to Help Association for Blind, Visakhapatnam
3	22-11-2012	Team of Sahaya helped our college student suffering with kidney problem who needs to be operated immediately by donating Rs.6000/-.	Denduluru (village), West Godavari District
4	14-04-2013	Donated Rs.17,000/- to help Cancer patient	Gondagollanu village near Eluru West Godavari District
5	21-04-2013	Donated the fund to the parents of our student late T.Ravindra Babu(10A85A0506) with the great financial assistance from our college management. Donated Rs.1,00,000/-	SRI Vasavi Engg College TPG

<b>Academic Year: 2011-2012</b>			
<b>S.No</b>	<b>Date</b>	<b>Service Activity Details</b>	<b>Venue</b>
1	21-07-2011	A Dumb and Deaf Person is required help to continue his studies and SAHAYA helped him financially. Donated Rs.1500/-	Sri Vasavi Engg. College, TPG
2	15-08-2011	SAHAYA helped our B.pharmacy Student LAKSHMI paid the exam fee. Donated Rs.1500/-	Sri Vasavi Engg. College, TPG

3	11-04-2012	SAHAYA Served “Smt. Lagadapati RamaLakshamma Vikalangula Ashramam”, Devarapalli by donating them Inverter and Battery worth Rs.14,600/-.	Sri Vasavi Engg. College, TPG
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<b>Academic Year: 2010-2011</b>			
<b>S.No</b>	<b>Date</b>	<b>Service Activity Details</b>	<b>Venue</b>
1	14-07-2010	Engineering student suffering with blood cancer that required 18 Lakhs for his treatment and from our organization we donated Rs 9000/-.	Sri Vasavi Engg. College, TPG
2	29-07-2010	Conducted “Carrier Guidance/ Computer Education” a Awareness Workshop for the Non-Teaching(AAYAS) Staff and their children and distributed Tiffin Boxes to AAYAS and Compass Boxes to their Children.	Sri Vasavi Engg. College, TPG
3	07-0-8-2010	Donated an Amount of Rs 8000/- to IT Students who are Serving an Orphanage in Eluru with Clothes and food.	Sri Vasavi Engg. College, TPG
4	15-08-2010	With a Motto to serve Poor Students we identified 40 poor students from High School, Pedatadepalli and Donated Books, Compass Boxes and paid their exam fees and other allowances worth Rs.10,750/.	Govt., High School, Pedatadepalli, Tadepalligudem.
5	19-10-2010	We helped one of our AAYAS “Premavathi” who is in need of paying the Examination fee and some basic needs like Uniform etc. for her daughter. Donated Rs.1000/-.	Sri Vasavi Engg College, TPG
6	21-10-2010	An Engg. College Student MAHESH , financially poor and good at studies met with an Accident required a large amount and we helped financially by Donating Rs.4000/-	Sri Vasavi Engg College TPG
7	28-12-2010	We are approached by Sarvodaya Seva Ashrama Samstha, working towards the maintainance of poor Boys & all Communities without	Sri Vasavi Engg College TPG

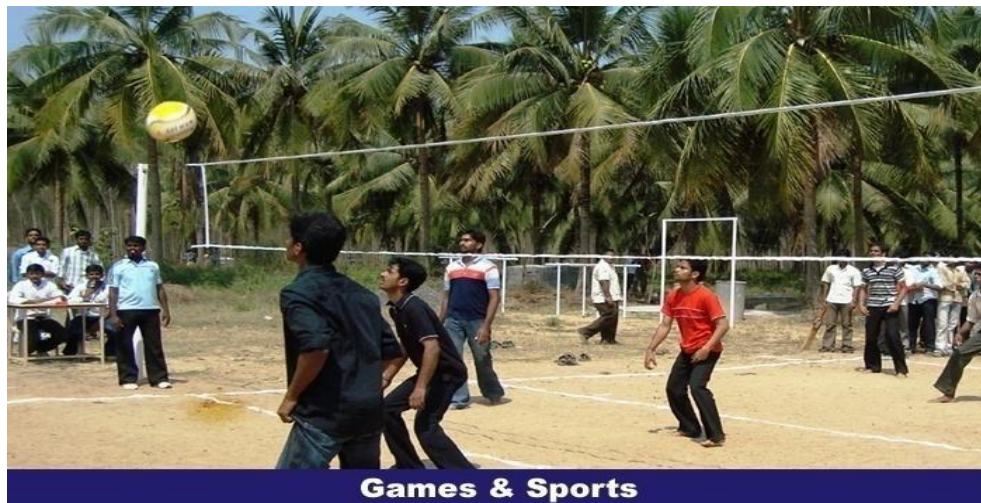
		Caste and creed seva. Donated Rs.2500/-.	
8	08-02-2011	A poor student excellent at studies, suffering with Brain Cancer needed to be operated immediately that required an amount of 4 Lakhs. Donated Rs.10,500/-	Sri Vasavi Engg College TPG

Date	Venue	Donations
15-08-09	Karunya Orphan Children Home, Madhavaram.	Blankets, Matrices and One day meals worth of Rs.15,700/-
15-08-10	Mother Theresa Mentally Retarded Home, Kovvur	Groceries, Chairs worth of Rs.26,000/-
15-08-11	Charla Suseela Devi Old-Age Home, Nidadavole	Chairs and Fruits worth of Rs.13,000/-
	Mother Theresa Mentally Retarded Home, Kovvur	Groceries, Chairs worth of Rs.12,000/-

**5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National /International, etc for the previous four years.**

**Sports and Games Activities**

Sri Vasavi Engineering College strikes a balance between the axioms “Knowledge is power” and “Health is wealth”. The college promotes sports and games, as this acting offers the student an opportunity to enhance physical health, self- knowledge, 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. The students of all departments are given an opportunity to participate and prove their talents. Students are encouraged to participate in inter-collegiate sports & games and our students excelled in various sports meets organized by other engineering colleges. The students are encouraged to take part in National level youth festivals to consolidated the sporting spirit and disply the talents in them. Students are trained in Yoga to attain a harmonious blend of the physical strength and latent abilities and to achieve psychological and spiritual growth.

Our college players represented university in Inter university tournaments in Basket ball and yoga in the year 2014-15.

#### Co-Curricular Activities

Year	Branch	Activity	No. of Students participated	No. Of students won the Prizes
2013-14	CE	Paper presentation Model Making Technical Symposium, Cad molding, Quiz, Grand mason, Sklup-o-track, treasure hunt	57	9
	EEE	Quiz, Paper Presentation, Art-Expo, Circuit Designing	30	8
	ME	Essay writing, Technical quiz, general quiz, Spell Bee, Elocution, painting, gear up, Treasure Hunt, JAM	50	18
	ECE	Paper presentation, poster presentation, technical exhibition, technical quiz	28	13
	CSE	Paper presentation, poster presentation, technical exhibition, technical quiz	89	12
	IT	Paper presentation, Poster Presentation, Technical Exhibition, Technical Quiz	39	18
	MBA	VYUHA-2014, CAUCUS-2014, Techfest	20	6
2012-13	CE	Paper presentation Model Making Technical Symposium, Cad molding, Quiz, Grand mason, Sklup-o-track, treasure hunt	3	1
	EEE	Quiz, Paper Presentation, Art-Expo, Circuit Designing	28	10

	ME	Paper presentation, poster presentation, technical exhibition, technical quiz	17	5
	ECE	Paper presentation, poster presentation, technical exhibition, technical quiz	33	12
	CSE	Paper presentation, poster presentation, technical exhibition, technical quiz	39	8
	IT	Paper presentation, Poster Presentation, Technical Exhibition, Technical Quiz	65	25
	MBA	SMART'13, INVICTUS'12 (Ad-Wars, Market Makers, tower bloxx, Young Manager, Singing) Sunkalpa, Srujana	37	16
2011-12	EEE	Quiz, Paper Presentation, Project Expo, Art-Expo	25	5
	ME	Essay writing, Technical quiz, general quiz, Spell Bee, Elocution	25	10
	ECE	Paper presentation, poster presentation, technical exhibition, technical quiz	45	21
	CSE	Paper presentation, poster presentation, technical exhibition, technical quiz	72	10
	IT	Paper presentation, Poster Presentation, Technical Exhibition, Technical Quiz	50	14
	MBA	Essay writing, busy buzz, samyak, GEM, techfest	15	10

### Extra-Curricular Activities

Year	Branch	Activity	No. of Students participated	No. Of students won the Prizes
2013-14	CE	Shuttle, Volley ball, Basket ball, Throw all, Tennicoit, Jam, Cricket, Chess, Rangoli	15	3
	EEE	Addmaking, Shuttle, Volley ball, Basket ball, Throw ball, Tennicoit, Jam, Mono action, Treasure hunt, Kho-kho, Cricket, Chess, Caroms, Rangoli	200	130
	ME	Shuttle, Volleyball, Basketball, Throwball, Tennicoit, Treasure hunt, Cricket, Chess, Caroms	200	80

	ECE	Shuttle, Volley ball, Basket ball, Throw all, Tennicoit, Jam, Cricket, Chess, Caroms, Rangoli	45	33
	CSE	Essay Writing, JAM, Debug, Sudoku, Building Blocks, Coding, Treasure Hunt, Volley Ball, Tug of War, Shuttle, Musical Chairs, Tenni Coit, Short Put, Disk Throw, Lan Gaming, Basket Ball, Rangoli, Logo Identification, Cricket, Quiz, Vocabulary Hunt, Rubics Cube.	140	40
	IT	Ex-Tempore, D-bugging, Rangoli, Problem solving, Lan Gamming, Blind Key board Typing, General Quiz	105	14
2012-13	EEE	Jam, Debate, Short Films	20	8
	ME	Shuttle, Volleyball, Basketball, Throwball, Tennicoit, Cricket Chess, Caroms	<b>140</b>	<b>50</b>
	ECE	Shuttle, Volley ball, Basket ball, Throwball, Tennicoit, Jam, Cricket, Chess, Caroms, Rangoli	78	43
	CSE	Tresure Hunt, Rangawalli, Poem Rhymer, Battle of Brains, Abhinay Ghatana, Lan Gaming, Sudoku, AD+Film making, Coding.	110	18
	IT	Ex-Tempore, D-bugging, Rangoli, Problem solving, Lan Gamming, Blind Key board Typing, General Quiz	169	14
2011-12	EEE	Add making, Shuttle, Volley ball, Cricket, Chess, Caroms Rangoli, Short film	90	50
	ECE	Shuttle, Volley ball, Basket ball, Throwball, Tennicoit, Jam, Cricket, Chess, Caroms, Rangoli	54	33
	CSE	Cricket, Essay Writing, JAM, Shuttle, Tresure Hunt, Rangawalli, Poem Rhymer, Battle of Brains, Abhinay Ghatana, Lan Gaming, Sudoku, AD+Film making, Coding.	125	26
	IT	Ex-Tempore, D-bugging, Rangoli, Problem solving, Lan Gamming, Blind Key board Typing, General Quiz, Googling, CPL	150	18

### **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?**

**Yes.** The institution takes the feedback from Alumni and Parents.

The following is the feedback system we follow:

We have designed a feedback mechanism that can help enhance and upgrade our academic practices. We receive regular feedback from our alumni through a website created solely for this purpose. The inputs thus received are examined by a team of teachers from all departments, conclusions are drawn and recommendations are made.

We also get feedback from the employees of our alumni regarding the selection criteria and employability requirements of students and the observations of them are also duly considered in planning our future policies in making our students more employable and skilled. We conduct parents meet and receive feedback as well as apprise them of their children's progress.

**a) Based on the feedback of the Alumni & Employers, the following measures have been taken**

- 1) Establishment of Finishing School with a team comprising English faculty, MBA faculty, Mathematics faculty and a Psychologist.
- 2) Regular industrial visits have been arranged to make the students realize the work place culture and systematic functioning of an industry.
- 3) Special focus on imparting soft skills, technical skills and Aptitude training.

**b) Based on the feedback of the Parents, the following measures have been taken**

- 1) New hostels were constructed to increase the accommodation facility for both boys and girls.
- 2) Computers with Internet facility were installed in both the hostels to facilitate the students to work on their projects even after the college hours.
- 3) Separate sports facilities(shuttle ,volleyball etc....) provided for both boys and girls at their Hostels.
- 4) Students are provided with conveyance from Eluru, Tanuku and other nearby towns within 50k.m. of radius.
- 5) Special bus facility is provided at 6.45PM for the students who are utilizing the labs. and library after the college hours.

### **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.**

✓ Each department brings out monthly/quarterly / half yearly/annually department newsletters/magazine providing information with regard to the achievements and other activities of

the department and also provide opportunities to students and faculty to communicate the latest developments in science and technology and also their opinions in the form of articles:

- ✓ Students are given the required motivation and conceptual help for preparing technical papers at National level paper contests and financial support is provided as per norms.
- ✓ Departments encourage the students to prepare and display the working models during the Departmental Association Day Celebrations and Engineers Day Celebrations & before the project viva.
- ✓ Department of Mechanical Engineering publishes the magazine titled “Mechazine” quarterly.  
Data such as Student articles, Technical Quiz, Inventors In Mechanical Field, Quotations are published in the magazine.
- ✓ The Department, monthly magazine of ECE has been published under the title “XTRONICS”.

Data such as Students articles, Technical Quizzes, inventors In Electronics Field, Quotations are published in the magazine.

**5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.**

There is no students association for the college as a whole. However, students of each department have their own association which organizes various programmes such as Sports & Games, Paper Presentation, Poster Presentation, Model Making/circuit designing/project designing, debugging, Technical Quiz, Technical Talk, General Quiz, Aptitude Test, Group Discussion, Essay Writing, Cultural events such as Pictionary, Antyakshari, Rangoli etc. These activities are funded partly by the contributions made in the form of membership registration fees from the students.







**The below are the Student Associations of different departments of the college.**

- ECE** : Victorious Electronics with Dynamic Aspirants (**VEDA**)
- EEE** :League of Electrical Engineers (**LEE**)
- CSE** : Society of Computers for Ultimate Diligence (**SCUD**)
- IT** : Enhanced Learning and Innovative Training & Education (**ELITE**)
- ME** : Fabulous Association of Mechanical Engineers (**FAME**)
- CE** : Nifty Interfusion of Civil Engineering (**NICE**)
- MBA** : Reflective Altitude Yander in Serenity (**RAYS**)
- MCA** : Software Professionals of Association Robust Competence (**SPARC**)

**5.3.6 Give details of various academic and administrative bodies that have student representatives on them.**

**Yes.** Taking cognizance of important role of students in different academic and administrative activities, students are nominated as members of various committees.

**Various Institution Level Committees**

- Students Welfare & Disciplinary Committee
- Extra Curricular Activities Committee
- Grievance Redressal Committee
- Women Grievance Redressal Committee
- Library Committee
- Anti Ragging committee
- Transport & Canteen Committee

**In addition to the above, student chapters of IETE, ISTE & CSI are also formed.**

**5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the institution.**

- We communicate with Alumni through social networks like facebook and linkedin.
- We are collecting their latest data every year through google docs.
- Some of our Alumni have joined our college as faculty and we are building the Alumni network through them.

## CRITERION VI

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1.1 Institutional Vision and Leadership.

**6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?**

Our Vision	Our Mission
<p>To confer upon the society, an environment that fosters the intellectual growth of students and serve humanity through promulgation of technological applications.</p>	<ul style="list-style-type: none"> <li>• To create and sustain an agile community which is highly Professional with due consideration for ethical, ecological and economical issues</li> <li>• To impart quality education that serves the needs of present and to energize the technological world</li> <li>• To forge mutually beneficial commitments with government, industry, society and alumni.</li> <li>• Commitment to learn, adapt and change as a means to perpetual development.</li> <li>• To pursue research disseminate innovations to the society.</li> </ul>

#### Our Quality Policy

Sri Vasavi Engineering College works towards excellence in imparting technical education by providing the optimal experience for students on par with global standards, and strives with a goal to become a trend-setter in moulding the youth into citizens capable of assuming leadership of the society for the integral progress of the nation with technology as a main tool.

#### Future Vision

- Sustaining accreditation at National and International levels.
- Becoming autonomous to offer Industry specific programmes.

#### Distinct characteristics of the college

- Readiness to provide infrastructural facilities and learning resources as and when required.
- Provision of friendly working environment and motivational incentives.
- High rate of retention of faculty and employees.

### **6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?**

The institution, Sri Vasavi Engineering College is governed by the Vasavi Educational Society. The college is governed by well defined Quality Document. The Management, the Principal and the staff/faculty are always stepping in together for designing proper applications of the quality policy and plans. The Principal of the college is the head of the institution and provides requisite leadership to the system.

The President and Secretary & Correspondent of the Managing committee frequently interact with the college staff to discuss various policy matters and their application and adjudication. The Principal ensures that all provisions of the University by-laws, the Statutes and the regulations are observed. He also convenes meetings of the College Academic Committee (CAC). The BOG discusses the proposals of CAC and other key aspects in detail and arrives at the necessary strategies and plans to keep up the quality of education in the campus. The Members of the Management, Principal, professors and other officers are always available to the faculty to present their views and ideas. The opinions of faculty and staff are considered positively for evolving policies.

The Principal provides academic leadership and in association with the various faculties evolves strategies for academic growth. The faculty is actively involved in decision-making process. The faculty assigned with incharge ship holds periodic meetings. Two faculty members, in the capacity of teacher representatives, are members of the Governing Body. Hence, they are actively involved in the decision-making process to sustain and enhance quality of education imparted by the institution.

### **6.1.3 What is the involvement of the leadership in ensuring:**

#### **• The policy statements and action plans for fulfillment of the stated mission**

As many of the students are from the rural background, there is a need to stress on improving their communication skills and make them job / placement ready by the time they leave the college. Keeping this in mind, we have established Finishing School to strengthen the communication, aptitude and technical skills apart from the syllabi.

#### **• Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**

Based on the policy statements, the management advises the staff to accomplish the strategic plans through various activities.

The success of different activities is ensured through strict adherence to the action plans such as

- Lesson and course plans
- Academic calendar for the college which details the curricular activities
- Semester wise events for co-curricular and extracurricular activities by individual departments
- Budgetary sanctions

## Interaction with stakeholders

Keeping in mind the stakeholders whom the college has to serve such as students, faculty, parents, industry, government and society, the higher authorities focus on how to interact with various stake holders and gather information about various aspects of College functioning through a number of ways.

- Interacting with and getting the opinion of the regular students through various platforms like CRC, grievance redressal committee, formal & informal feedback, counseling etc..
- Organizing parents meeting during the admission process and provide the awareness on different courses with the help of university experts. Higher management interacting with the parents during counseling and obtaining the views and suggestions of parents.
- Recording the opinions of the academicians and other eminent people when they visit the college.
- Interaction with faculty members through various formal and informal meetings and also by obtaining feedback from them.
- Alumni is the best source to obtain un-biased feedback basing on their academic experience with in the college and also their exposure to the external world.
- Obtains Exit feedback from the students
- Obtains Exit feedback from the faculty
- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders.

The inputs collected from various stakeholders will be taken into cognizance by the management and through various interactive methods with the staff, help them identify critical areas for development and review progress in continuous improvement.

- Reinforcing the culture of excellence

We try to emulate the efficacious academic practices from the best institutes in the country. It channelizes the procedures and practices in tune with such practices to create an ambience that is most conducive for academic excellence.

- **Infosys has recognized SVEC as Centre of excellence based on the Campus Connect Programme.**
- **SVEC have MOU's with Oracle corporation for Workforce Development Program and Unisys India Ltd for Live Training, Developing the simple modules.**
- **SVEC is JKC star partner.**
- **Recognized TCS ION test center.**

### Champion organizational change

The participatory role of the management encourages and sustains the involvement of the college staff, which is necessary for the efficient and effective running of the college.

- Organizing coaching classes for GATE and Competitive examinations
- Organization of various student development activities
- Joint ventures with premier institutions and industry.

#### **6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?**

The Secretary & Correspondent along with Principal frequently visits the departments to monitor their daily activities and interacts with HOD's and faculty to plan for further improvement.

#### **6.1.5 Give details of the academic leadership provided to the Faculty by the top management?**

The Management provides adequate freedom and a number of incentives like journal publication awards, sponsoring for higher education for academic advancement etc., to strengthen teaching-learning process, and nurturing talent in students. Faculty will be at liberty to formulate plans for supporting poor learners, preparing required learning material, organizing various programmes for enhancing curricular and extracurricular abilities, encouraging enthusiastic learners for professional competency, designing new experimental set up in laboratories and taking up in-house R &D projects. The freedom and the support will motivate faculty in developing creative and innovative practices with mutual coordination and team work.

#### **6.1.6 How does the college groom leadership at various levels?**

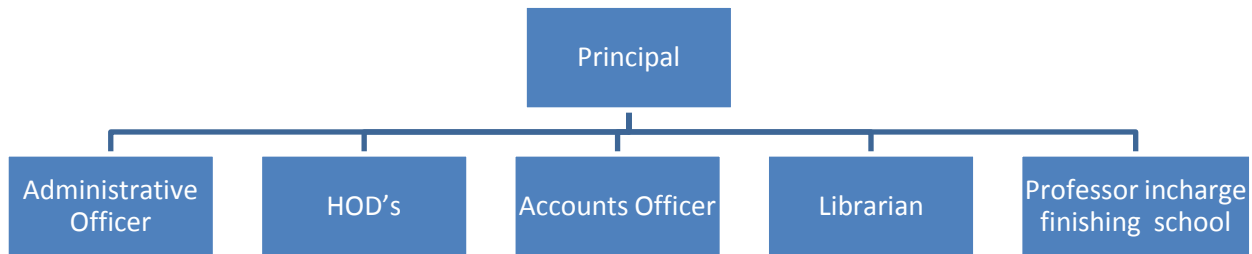
Principal is the academic as well as the administrative head of the institution. He acts independently by blending the rules and regulations as well as the norms laid down by the AICTE and JNTUK with the policies and strategies of the college. The college believes in decentralization of administration and transparency of governance. Independence is given to all Heads of the Department in planning, organizing and implementing various activities in the departments in an effective way. The HODs in turn will delegate the authority and support the faculty in taking up various departmental activities. Various committees were constituted as given below and the committee chair person / coordinator works independently to ensure the objectives of the committee are met with

1. College Academic Committee
2. Disciplinary Committee
3. Transport And Canteen Committee
4. Library Committee
5. Grievance Redressal Committee
6. Women Grievance Redressal Committee

7. Antiragging Committee
8. Finishing School

**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?**

As mentioned in 6.1.6, the college ensures decentralization and thus delegates authority at different levels ensuring good governance.



**6.1.8 Does the college promote a culture of participative management? If ‘yes’, indicate the levels of participative management.**

YES, the college does promote a culture of participative management. It has inculcated the practice of hearing the voices of all concerned. HOD’s meeting with principal will be held and the views of all HOD’s will be taken into consideration before a decision is taken. Similarly, department faculty meetings are held at regular intervals where internal issues within the department are discussed and the deliberations of HOD’s meeting are discussed. The concerns of faculty, if any, will be again brought to the notice of the Principal in the next HOD’s meeting. The suggestions and concerns of staff are duly acknowledged and received by the heads of the department and in turn the suggestions of heads of the department are received well by the top management. Leadership in SVEC always recognizes the significance of listening and interpreting the views of all the employees and practices this culture meticulously.

**6.2 Strategy Development and Deployment**

**6.2.1 Does the Institution have a formally stated quality/ policy? How is it developed, driven, deployed and reviewed? YES**

Quality Document defines College Policies on all the issues for quality assurance. They shall be implemented scrupulously encouraging improvement and innovation at various levels, and developing the institute into a Centre of Excellence thus increasing the stakeholders’ role and providing quality service to the society.

The institute strongly believes that to reach the position as stated in Vision and Mission statements, the human resource is the prime factor amongst the other resources. To become a world class

institute in the present scenario of liberalization and highly competitive world, one has to bestow the end-user with the best possible service.

**6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.**

All the departments have generated SWOC(Strengths, Weaknesses, Opportunities, and Challenges) analysis of the department. Committees are constituted for each and every developmental work. Teacher and student representatives have to participate in all the developmental plans. For each developmental work a coordinator is appointed, under whom a group of teachers and student representative work. Each of the plans is approved by the principal and then by the management. The strength is enhanced, weakness areas are identified for improvement, the opportunities are evaluated and efforts are made to address the challenges. The following are some of the prospective plans of the College:-

- Allocation of budget for taking up in house R & D as a measure to improve research Activities.
- MOUs with foreign universities for student & faculty exchange programme.
- Build the Open Air Theater (OAT) to improve culture and integrity of the students.
- Networking all the classrooms for effectively implementing ICT.
- Principal 'quarter inside the campus.
- Staff quarters inside the campus.

**6.2.3 Describe the internal organizational structure and decision-making processes.**

As we have mentioned in the Organization chart the Principal is the head of the institution and looks into both academic and administrative matters and acts as a bridge between the Management, Staff and Students. Administrative Officer works with the Principal in executing general administrative works.

- HOD is responsible for the functioning of the Department as per the laid down policies of the college and will be reporting to the Principal. HOD will prepare budget estimation for the Department for its operation, maintenance and development.
- HOD will constitute various committees at the department level for smooth implementation of various activities.
- Coordinators of all committees at the college level will report to the Principal.
- Professor In-charge of Finishing School looks into all activities related to campus recruitment and training of students and will be reporting to the Principal.

**6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following**

- Teaching & Learning
- Provision of e- learning resources in Central Library (JNTUK CoEeRD), IEEE online journals, NPTEL Lectures, and QEEE learning centre.

- Academic co-curricular Materials(Personality development ,soft skill and communication skills, English for Special purpose).
- Classrooms with networking facility
- Development of student support material
- Organization of Remedial classes
- Student feed-back on teachers and going through the necessary follow-up action.
- Continuously strengthening and updating of the laboratory equipment and the library resources.
- Delivery of Add-on-courses with external agencies like Conduct of pre-placement training classes and campus connect programmes.
- Structured course files and lab manuals for all courses.
- Academic audit
- Research & Development

R &D is an integral part of our institute. The faculties as well as students are encouraged for research work in addition to their regular work. In the past few years a good number of our faculties have registered for Ph.D. programmes, with some almost on the verge of completion of the degrees. Other research activities of the departments include presentation and publication of research papers in seminars, conferences and journals and to take different project works.

- Community engagement

Through the Student Welfare Committee, ISTE committee, departmental societies the College renders community service by organizing blood donation camps, waste management awareness programmes etc.

- Human resource management

The institution has a progressive & transparent recruitment policy. As an educational institution the main human resource is faculties. Faculty recruitment starts with the open advertisement in the regional and national newspaper. After thorough scrutiny of the applications, the selected candidates are called for interview. The interview is conducted department wise by a committee under chairmen ship of the principal. The committee recommends the shortlisted candidates to the management for appointment.

For office staff and Lab Asst. posts the selection procedure is same as for the faculty. For all the posts, the candidates are appointed on probation for a stipulated period depending on post. After successful completion of the probation period, they are appointed on a regular scale. Quality is given the highest priority by the management. To maintain quality, performance-based incentive is given to the employees. The faculties are encouraged to do research work, publish papers in reputed journals and apply for projects to different agencies. The department functions as an independent body. There is no interference of the management in day-to-day affairs of the department except the routine review.



- Industry interaction

Industry interaction is an integral part of the technical education. To make students more industry oriented our institute arranges industrial tour to the 3rd year students. After their industrial visit they give a presentation before their department staff. Apart from this, seminars are also organized where people from industries are invited to give talks and interact with the students .

**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?**

Sri Vasavi Engineering College has introduced feedback system from different stakeholders, viz., faculties, students, parents and from the visitors. There are formats through which they express their views and give suggestions for improvement. Their views and comments are periodically discussed by the principal and management and corrective measures are taken basing on their feedback.

**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 management of “Sri Vasavi Engineering College” encourages and supports its staff to take part in the improvement of the system. The staff are involved in different activities of the institution through various committees like disciplinary committee, anti ragging committee formed by the principal. Principal and management will go through the suggestions made by committees and will implement if they are feasible.

**6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.**

**Minutes of the 12<sup>th</sup> Governing Body Meeting held on 17-03-2014 at 11.00 AM in the Board Room**

**Members Present:**

1.	Sri O.P. Goenka	-	Chairman
2.	Sri. G.Satyanarayana	-	Member
3.	Sri Ch.S. NO.Murthy	-	Member
4.	Sri Ch.V.V.Subba Rao	-	Member
5.	Sri P.Balakasaiah	-	Member
6.	Dr.B.Prabhakara Rao	-	University Nominee
7.	Sri M.Mahesh	-	Member (SBTET Nominee)
8.	Dr.K.Mohana Rao	-	Member
9.	Sri Srinivas Kishan Anupu	-	Member
10.	Dr.V.V.Hanumantha Rao	-	Member
11.	Smt.G.Loshma	-	Member
12.	Dr.S.S. NO. Murthy	-	Invited Member
13.	Dr. G.V.N.S.R.Ratnakara Rao	-	Invited Member
14.	Sri M.Sambasiva Rao	-	Invited Member

15. Dr. J.Srihari Rao - Member Secretary

**Members requested for absence:**

1. Smt. K. Sandhya Rani - RJD, Technl.Edn., Kakinada, State Govt. Nominee
2. Sri Pabolu Venkateswara Rao - Member
3. Regional Officer, AICTE, SCRO, Hyd.- AICTE Nominee

**Minutes**

Principal extended a hearty welcome to the Chairman & Members. Between 10.30 AM and 11.00 AM, Members were taken around the campus to observe the ambience and maintenance.

**Item No.1: Welcoming the new members.**

Principal introduced the new members Sri Srinivas Kishan Anupu, C.E.O, Voice of Big Data, Hyderabad and Dr. B.Prabhakara Rao, Rector, JNTUK (University Nominee) and the Chairman & Members welcomed their induction into the body. Principal welcomed the invited Members Dr. G.V.N.S.R. Ratnakara Rao, HOD of Mechanical Dept. and Sri M.Sambasiva Rao, HOD of Civil Dept., to the Meeting. Chairman & Principal conveyed Holi greetings to the members. The board placed on record the valuable contributions made by Prof. M.N.Seetharamanath and Prof. M.Sailaja, during the earlier meetings; who are now replaced by the new members.

**Item No.2 : To confirm the minutes of the previous board meeting and appraisal of the action taken:**

- Principal informed that the minutes the previous meeting held on 14-09-2013 were already circulated to all members and no comments were received.
- The board confirmed the minutes.

**Item No.3: Report on the progress of the College since last meeting.**

- Principal presented the progress report for the period since last meeting till date.
- Principal informed that the National Seminar on “Role of Knowledge Management in Modern Era” was conducted very successfully in December 2013 with good participation. The college received permanent affiliation from JNTUK with effect from the academic year 2013-14 and also the name of the college is included in the list of colleges under section 2(f) of the UGC Act 1956.
- Members noted and appreciated.
- Principal also informed the body that the college infrastructure and human resources are being used for conducting recruit tests like VRO & VRA etc.. and online competitive exams like GATE etc.. by A.P.Govt. & TCS etc..
- Principal also read the list of important visitors to the college and other activities conducted during the last six months.

- Principal informed the body that the college will be hosting JNTUK Single Zone Inter Collegiate Girls Games Meet 2013-14 during 24<sup>th</sup>-26<sup>th</sup> March 2014 and expressed gratitude to the University for giving the opportunity to the college.

**Item No.4: To discuss about the Training & Placement activities.**

- Principal presented the details of in house CRT training and 5 day specific training by external agency for final year students and about the Infosys Campus Connect Foundation Program being offered to 3<sup>rd</sup> years.
- Members are also apprised about the recruitment drives attended by the current batch so far and their results.

**Item 5: To Review the Examination Results:**

- Principal presented the results analysis of MBA & MCA IV Sem for which, exams were held in July 2013. Members expressed satisfaction at the result. The delay in the announcement of B. Tech. results and the new evaluation process are also discussed.

**Item 6 : To appraise the Details of Readmitted Candidates and Transferred Candidates during the year 2013-14:**

- Principal presented the information about the students who were readmitted and transferred to / from SVEC. Members noted and approved.

**Item7: To appraise the status of the ongoing construction Activity:**

- Secretary & Correspondent apprised the members of the recently inaugurated new building of SBH branch in the Campus.
- Also mentioned that Civil Dept. buildings will be ready by June 2014.

**Item 8 : To Appraise the Attendance Particulars of the students like condonation & Detention:**

- Principal presented the details of students detained due to shortage of attendance and those allowed under condonation category.

**Item 9: Any other Item:**

- Sri Srinivas Kishan raised the issue of tie-ups / MOUs / Collaborations with Industry and suggested to incubate a development centre in the college with industry collaboration and also to conduct FDPs. Principal informed that FDPs were conducted and also proposed to ISTE and AICTE.
- Also Proposals for funding under MODROBS and to establish EDC were sent to AICTE.
- Participation of students in extra – curricular activities also came up for discussion.
- It was informed that senior students having own laptops are participating in live Web Casting of the polling process during elections.

- The need for faculty achievements like publications & Ph.D. work etc..was pointed out by members. Sri Srinivas Kishan said that innovative student projects should get financial support.
- Secretary & Correspondent replied that the management is ready for providing such assistance.
- Sri Srinivas Kishan also said that projects funded by their industry have to be time-bound and Result-oriented. The meeting concluded with a Vote of Thanks by Principal.

**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 college **received** permanent affiliation from JNTUK. The institution has already applied for and received the status of inclusion of the college under the provisions of 2(f) & 12(b) of UGC act.

**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 institute has well defined grievance redressal procedure. Prompt and effective disposal of grievances of various stakeholders are being done. College constituted grievance and redressal committee which thoroughly discusses the grievances and suggests the solutions for redressing the grievance. CMC reviews the suggestions and initiates suitable actions and communicates to BOG. If there is a need to redress the issue in CMC, the college takes up the issue as an agenda point in BOG. The college has a women grievance redressal cell as well which caters to the grievances and other needs of girl students.

College constituted various committees for

- Grievance redressal
- Students counseling / mentoring
- Class teacher and CR’s will the monitor the class work schedules.
- Women empowerment

**6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute ? Provide details on the issues and decisions of the courts on these?**

-NIL-

**6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If ‘yes’, what was the outcome and response of the institution to such an effort?**

YES- Feedback is taken from the student’s parents and alumni at different points of time in the prescribed forms. They are analyzed by the principal and decision is taken for improvement.

### **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?**

- Training teachers for excellence
- Sponsoring Faculty & Staff for higher education
- Sponsoring Faculty & staff for attending workshops, conferences at
- Organizing Faculty Enablement programmes
- Organizing skill development programmes for non teaching staff
- Encouraging faculty to deliver guest lecturers outside colleges.

#### **6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

- Training faculty on emerging technologies and also on real time problems in industry by eminent persons from industry and faculty from institution by organizing guest lectures and seminars.
- Deputing faculty for refresher courses at other institutions like NIT and IIT's etc., formulation of various committees with faculty as coordinators / members with proper allocation of work, assigning responsibility and grant of adequate authority and autonomy.
- Besides better working environment conducive to teaching learning processes, other benefits like PF, maternity leave, half pay leave, marriage leave and calamity leave are given to faculty and sponsoring for acquiring higher educational qualification which led to higher retention ratio.

#### **6.3.3 Provide details on the performance appraisal system of the staff to evaluate and Ensure that information on multiple activities is appropriately captured and considered for better appraisal.**

Performance appraisal is taken from every staff. This covers Academic qualifications, responsibilities, R&D, Co & Extra curricular activities.

#### **6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?**

Based on Self appraisal form of the faculty, feedback from the students, confidential feedback received from HOD's will be used for counseling and to take any major decision.

#### **6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

A healthy and good retention ratio is maintained in the faculty cadre by creating a good environment and providing incentives as detailed below.

- Special academic leave for research and PhD work.
- Sponsoring for higher education
- Incentives for paper publications
- Sponsoring for seminars / workshops etc
- Contributory EPF facility for the regular staff
- Group insurance scheme for all students and non teaching staff.

#### **6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?**

The college creates an excellent working environment for the effective teaching learning processes, research and development and works in a transparent manner. The work culture in the institute helps in attracting and retaining good faculty. Management provides subsidiarised transport and mess facility to the faculty. Along with that, the institution provides the following:

- Less workload to engage faculty more in research.
- Providing dedicated system and internet facility to individual staff rooms.
- Financial support to present paper in conferences and peer reviewed journals.
- Grant of O.D. Leave to attend seminars, FDPs,etc.,
- Retention allowance. (Like, interest free loans on request, medical insurance)

### **6.4 Financial Management and Resource Mobilization**

#### **6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?**

The Institution has well defined mechanism to monitor effective and efficient use of available resources. After assessing the projected income for an academic year, the college allocates budget to each department with minute details. After the allocation, the departments can avail the financial resources within the sanctioned limit.

Purchases will be made with the recommendations from the department. The amounts withdrawn from the banks will follow a systematic mechanism of obtaining the approval at various levels. If any expenditure is made beyond budget sanction, ratification will be done in a special meeting.

#### **6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on Compliance.**

Internal audit is done in every quarter of the year. External audit is done every year. Last external audit done in the month of August. There are no audit objections.

**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.**

Major source of institutional receipt is from student fees.

**6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).**

The institution encourages faculty to apply for various schemes available under different government organizations such as AICTE and UGC. The following funds were received so far.

S.No	Academic Year	Name of the Project	Funding Agency	Total Grant recieved (in Rs.)
1	2012-13	SDP	ISTE	1,00,000/-
2	2012-13	Seminar	AICTE	2,00,000/-
3	2013-14	SDP	DST	75,000/-
4	2014-15	Workshop	AICTE	2,00,000/-

This year we have applied for the following to AICTE.

S.No	Academic Year	Name of the Project	Number of proposals	Funding Agency	Total Grant Applied (in Rs.)
1	2013-14	SDP MODROBS	3	AICTE	13,59,700/- 19,00,000/- 20,00,000/-
2	2013-14	SDP Seminar / Workshop	2	AICTE	2,00,000/- 2,96,500/-
3	2013-14	E-Learning Center	1	AICTE	21,76,000/-
4	2013-14	Project Center for ME Dept.	1	AICTE	47,20,000/-

## **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 – IQAC is formed on 10-10-2014. It is in the process of defining procedures to monitor quality assurance.

**b. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

YES

**6.5.2 Does the institution have an integrated framework for Quality assurance of the-academic and administrative activities? If 'yes', give details on its operationalisation.**

Yes, The academic functions and related administrative matters are to be streamlined with the help of academic committees. These committees will regularly interact with IQAC committee and follow up the proposals from IQAC. Along with this, planning to depute the faculty to various training programmes related to quality assurance procedures and standards.

**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, the institution provides training to its staff for effective implementation of the quality assurance procedures. Small workshops over the weekends are planned, in the form of interactive sessions, to help the staff of the institution to work in a better and more promising way. The academic as well as the administrative working is further smoothed by conducting time-to-time training sessions for the teaching and non-teaching staff of the college.

**6.5.4 Does the institution undertake Academic Audit or other external review of the Academic provisions? If 'yes', how are the outcomes used to improve the Institutional activities?**

Yes, the institution undertakes Academic Audit by using the standard procedures. The institution was accredited by the external peers (NBA), on the basis of Self-Assessment reports submitted by the respective departments. The outcome of the audit is to identify the deficiencies and take corrective steps for improving the institutional activities.

**6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

Aligned with the requirements of NBA & NAAC.



**6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

The following points are considered for formulating the policies on Teaching Learning process

- The inter semester and end semester feedbacks on all the subjects are taken from the students in every semester.
- The feedback is analyzed and evaluated on the scale of 100 and every teacher is provided with a copy of feedback for making necessary corrections. Further, teachers are counseled by the Head of the department, Principal if required.
- The administration also receives the feedback by interacting with a select group of students from each class.
- Monitoring is also done through Academic committees to assess the uniformity in syllabus coverage, and also the quality of teaching.
- University ratification interviews are conducted by external experts to evaluate the knowledge and ability of the faculty to teach the curriculum subjects.

**Syllabus:**

- Syllabus prescribed by JNTUK, Kakinada is followed
- Extra content shall be given on the skills in demand for employment.

**Academic Calendar:**

- Number of instructional days, contact hours per week are followed as directed by JNTUK, Kakinada.
- Additional teaching hours for the extra content shall be arranged after normal contact hours.

**6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?**

They are communicated through internal circulars, email, website, college brochure and meeting with stake holders.

## CRITERION VII

### INNOVATIONS AND BEST PRACTICES

The institution, SVEC, in its practices has always been eco-friendly. The campus has been highly sensitive to climate change and environmental degeneration. It mainly concentrates on ‘**Clean Campus - Green Campus - Healthy Campus**’ and it is highly committed to promote an ambience of creativity and is concerned with quality achieved through innovation.

#### 7.1 Environment Consciousness

Sri Vasavi Engineering College is located near Pedatadepalli village, Tadepalligudem in West Godavari district in Andhra Pradesh. The campus stands unique with its lush green expanse, paved pathways, colorful plants, breeze and a serene, soothing environment. Our strategic plans for development have always been driven by a love of nature and sustainability of important resources like energy, water, green cover etc.

##### 7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Yes, The institution is conscious of its responsibilities to the environment and conducts Green Audit of its campus and facilities. The institution maintains a checklist of the following in connection with Green Audit:

- Optimum utilization of resources such as power, water etc.
- Collection service record for waste materials/condemned equipment.
- Feedback mechanism from facility users.
- Sustainability principles, practices and Environmental Studies are part of Curriculum.
- The Gardeners take care of the lawn and plants in the college.

##### 7.1.2 What are the initiatives taken by the college to make the campus Eco-friendly?

###### a) Energy Conservation

- Awareness among the students and staff on energy conservation is created by displaying boards at appropriate places.
- Institution organized “National energy conservation week celebrations” in association with APEPDCL.
- Switching off all the electrical utilities whenever and wherever they are not required.
- The buildings are fitted with glass windows for maximum utilization of natural light.

###### b) Use of Renewable Energy

Solar water heaters are in use in the girls’ and boys’ hostel. The college management is examining the proposal of utilizing the solar power, a nonconventional source of energy, in a phased manner as an alternate source of power.

**c) Water Harvesting**

The college has three bore wells to cater to the general needs of the institution. Two Soak pits were also constructed at appropriate places to raise the ground water level.

**d) Efforts for Carbon neutrality**

The college management has taken certain measures to prevent the emission of carbon dioxide in the campus. The motor vehicles are kept at a distance from the classrooms and laboratories in the ear marked parking sheds. The dead leaves of the plants and the waste paper are disposed of in the pits dug in the ground and not by burnt thus reducing atmospheric pollution. They are also used as manure for the plants. Organic cultivation is also being done and vegetables grown are utilized for canteen.

The institute restricted the usage of plastic bags in the campus.

**e) Plantation/Greening Drives**

There is abundant greenery in the campus in the form of Avenue Plantation which provides a green canopy at various places of the campus and lawns were prepared and maintained at various locations in the campus.

Plantation programme has been taken up by the institution for increasing the Green Cover in the village.

**g) Hazardous Waste Management and e-Waste Management**

Some of the e-waste generated is used for technical education purpose by making use of hardware in laboratories for display and study. The remaining material is disposed off in an appropriate manner.

**7.2 Innovations**

Though restricted by the limited academic freedom of an affiliated institution, this college, in its quest for excellence has introduced a spectrum of transformative and innovative options to respond to the complex needs of its stakeholders.

**7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.**

**a) Innovative mechanism / process for internal quality checks**

In its quest for excellence, the institution seeks continuous innovation for quality assurance in academic programmes & administration. Some of the mechanisms adopted are:

**Academic system:**

Objectives and outcomes have been explained by the faculty concerned for every subject. Topics are covered beyond the curriculum in both theory and practicals to give wider knowledge base to the students.

- Handouts with lecture plan, assignment questions, and references are distributed to the students at the beginning of the semester.
- Content Preparation is made available to all the students.
- Close monitoring of course coverage is ensured through frequent meetings of HODs with faculty members.
- Class Monitoring committee meetings are held in every semester. HOD's monitor topics taught every day.
- Regular monitoring of academic activities is done through College Academic Committee (CAC).

Dedicated faculty are assigned with aptitude training and rigorous training in soft skills is given for making the students ready for placement. A very effective and strict monitoring of attendance is followed to improve the attendance percentage, through **Bees** software.

- Periodic collection of student feedback on individual subject teachers.
- Review of performance of teachers based on feedback and pass percentage of students at university examinations.
- Faculty counselors for every 20 students.
- Remedial classes and bridge courses to make up for weak and slow learners.
- Career counseling by Finishing school to guide the students in their endeavors to be placed. Attitude building taught to the students to ensure appropriate attitude for life long learning.
- Inviting experienced academia from reputed institutions and industry experts for delivering guest lectures.
- Incentives for those carrying out research and publishing papers/participating in Seminars/Conferences.
- Parents are informed about the performance of students after every internal examination.
- The attendance of students is closely monitored and informed to parents once in a month. The students are counseled in this regard.

**Administrative system:**

Administrative mechanisms in place for quality assurance are:

- An exclusive Examination Section headed by Officer-In-charge Examinations is constituted.
- Finishing school takes care of all the aspects related to placements and training.
- Grievance redress cell to address the problems of students.
- College administration is run through Management, Principal, HODs and In-charges. All decisions are implemented after a consensus is arrived at.

- There is a centralized research committee with Principal to oversee all R & D related activities at departmental and institutional level.
- Maintenance of all buildings and other infrastructure is entrusted to maintenance team.
- Physical director and Assistant Physical director attend to all sports activities of boys and girls.
- Technicians in all departments look after the repair and maintenance of lab equipment under the supervision of the teaching staff.
- HOD and senior faculty of each Department look after the teaching and learning process in each Department.

#### **b) Quality assurance for academic programmes**

##### **Performance Monitoring:**

- Right from the time of admission, performance of every student is carefully monitored. Based on the examination results, faculty counselors take up counseling of poor performers and try to assess the reasons for their poor performance. HOD's arrange special classes for poor performers when required.
- Periodic meetings are conducted by the Principal and HODs to review the results of internal and external examinations.
- The analysis of the results of end semester examinations is carried out, and further discussed by HOD with the Principal.
- Teaching staff guide the students in their projects, monitor their performance and counsel them regarding their performance, apart from regular teaching. Thus, teachers play different roles like project guides, counselors, etc.
- This process ensures the quality of the teaching process.
- HOD and Class teachers closely monitor student performance and intimate to the parents.

##### **Student evaluation:**

- At college level, two online tests and two descriptive tests in a semester are conducted for internal evaluation. The university conducts the end semester examination.
- Evaluation procedure & guidelines are given to the staff for both theory & practical exams. Corrected answer scripts of internal exam are shown to the students. Students are encouraged to express their doubts and bring irregularities observed, if any, in the evaluation, to the notice of teachers concerned, and to the HOD, if necessary. Academically poor students are identified and necessary measures are taken by the faculty member concerned. The results are monitored by the HOD.

##### **Automation of student information:**

- Automated information sharing mechanism (**BEES** software) is implemented by the institution to enable close monitoring of student performance as well as attendance and helps in passing on the information to their parents.

**c) Quality assurance for administration**

- The institution has been granted the status of permanent affiliation by the affiliating university JNTUK Kakinada in 2013-14.
- CSE,ECE, EEE & IT have been accredited by NBA from 2013-14 for two years after due consideration of the quality of the education imparted and other practices of the college and its infrastructure.
- Improvement in faculty expertise leading to qualified faculty.
- Provides opportunities to non-teaching staff to enhance their skills and qualifications.

**d. Innovations in Research and Development and Extension**

- Research committee overviews the R & D activities in the college.
- Inter-departmental research projects are encouraged.

**e. National Events**

- National and state level events like seminars, workshops are conducted for students and faculty to update their knowledge.
- The institute conducts a technical and cultural festival called TECHFEST, in which the students from all engineering colleges from the entire state participate to exhibit their talents in various technical, cultural and sports & games events

**f. Modern ICT Tools**

- For effective teaching-learning process, e- content, modern ICT tools such as LCD projector, Interactive board etc. are made use of.

**g. Installation of latest configuration computers**

- The computers are with Dual Core processors or high end configuration.

**h. Celebrations**

- The institute has been conducting **Engineers' Day celebrations / Teachers' day / Women's/ National Education/ Ramanujam** birth Day Celebrations every year on corresponding dates. On these days, the students exhibit their creative and technical skills.

**i. Students' exposure to industries**

- The students go on visits to various industries related to their branch for practical awareness and expose to the work scenario. This provides greater awareness and complements their class room learning.

#### **j. Group Insurance for Staff-members**

- At present, Group insurance facility is provided to students and non teaching staff-members.

#### **k. Industry-Institute Interaction**

- Guest lectures by eminent personalities / industrialists are arranged for the benefit of students and Staff members.

#### **Continuing education and Industrial Internship:**

College organizes Guest Lectures by industry experts / eminent personalities on latest technologies. Faculty members are encouraged to subscribe (membership) to various Professional Societies such as ISTE, CSI, IETE. Students are encouraged to go for Industrial internship.

#### **Industrial Visits and Industrial Training:**

Local Industrial visits and industrial tours are arranged for students to give them industry exposure.

#### **Project Work:**

Students are encouraged to undertake live projects.

#### **Placement:**

The finishing school in the college is equipped with necessary infrastructural facilities for providing training and placement guidance to students.

#### **l. Learner centered Teaching**

The Institution employs a mix of different methods of teaching like interactive, discussion-based, project- based case study methods and seminars to supplement the normal lecture method, depending on the nature of the content of instruction.

#### **Lecture Method:**

The lecture method is used to the extent of 65 to 75 % to explain abstract and conceptual parts of the subject which demand critical thinking and analysis. Teacher presents the relevant data and diagrams through power point / chalk-board mode.

#### **Interactive Method:**

The lecture method of teaching is supplemented with “discussion and interactive method” wherever needed.

### **Project-based learning:**

This method is mostly used for self-learning to improve the learning ability of student and to reinforce knowledge received during the lecture. Being a technical institute, this method is extensively used at Sri Vasavi to provide practical evidence of the theory learned. Students are asked to prepare projects with a clear concept of the principles learned. The teacher not only guides the students at various stages of developing the project, but also further gives timely inputs during the preparation of the project work report.

### **Case Study Method:**

This method is mostly used for management students. In this method, a real time or an imaginary management situation or a problem will be given to students. The faculty guides students to analyze and solve the problem. This method helps students to apply their managerial skills to real time problems.

### **Seminar Method:**

From time to time, the teacher involves the active students in the seminar method. A student is advised to come prepared on an assigned topic and present a seminar before the faculty and students. This method makes the student to undertake extensive reading and preparation, further information helps to improve the student's communication and presentation skills.

### **Computer-Assisted Learning (CAL):**

Computer-assisted Learning is a very effective method in teaching and learning process. It involves visualizing, analyzing and understanding complex topics and interpretation of large data and is extensively put in to practice in this college.

### **m. Shift from content to competency**

The practice of giving assignments and their evaluation and assigning project module for improving competency is strictly followed.

### **o. E-learning Applications**

Classrooms are in the range of Wi-Fi communication facility of the college and are equipped with latest systems, Projectors, etc., for facilitating E-learning, NPTEL, JNTUK - CoEeRD and QEEE learning centre are used.

### **p. Innovative Bridge course**

Bridge courses like English language and Attitude classes are conducted for first year students. Aptitude , soft skills and personality development sessions are conducted regularly from 2<sup>nd</sup> year onwards.



#### **q. Innovation in Infrastructural Planning**

Physical infrastructure is well planned and maintained. A/C seminar halls, computer labs, E-classrooms, English language laboratory, Digital library, R&D labs for researchers, are being used by the stake holders.

#### **r. Innovative Incentives and Reward Schemes**

The institute encourages the students to do innovative projects with special awards and prizes. In every semester cash prizes are given to top three students in each class to stand out in academics.

#### **s. Innovative Faculty Development Initiatives**

Internal Faculty seminars are conducted in order to share knowledge with colleagues. In this practice, every faculty member is expected to share latest updates in their area of specialization.

#### **t. Innovative to be socially responsible**

Institution organizes activities like blood donation camps, visits to Orphanages, Distribution of medicines, Driving Rules Awareness Camp, Fire safety Demo, Meditation and Yoga camps, clean and green programme etc.

- Computer awareness program for Government school children.
- Career Guidance for 10th Class students
- Prize Distribution for Winners of Games & Sports
- Counseling of Government School Children
- Sapling Plantation
- Medical Camp Mega Blood Donation Camp
- Health Awareness Tips for Villagers
- Clean and Green Programme
- Old Age Home Visits
- Signature Campaign for Illiterates

#### **Innovative Practices of Various Departments**

- In addition to the above, various innovative practices have been adopted by all the departments. Every department formed an Association through which various curricular and non-curricular activities are conducted as given below

#### **Activities of ECE Department:-**

**Name of department association : VEDA.**

**Electronics Hobby club:** professional interest group called “**electronics hobby club**” is formed to exchange of professional knowledge.

A monthly magazine “**Xtronics**”, is initiated and run by students.

Department initiated **IETE** student chapter through which various technical activities are conducted.

**Activities of CSE Department:-**

**Name of department association : SCUD.**

Department initiated CSI student chapter through which various technical activities are conducted.

**Technology club:** Professional interest group called “**Technology club**” is formed to exchange professional knowledge.

**Activities of IT Department:-**

**Name of department association: ELITE.**

Department initiated CSI student chapter through which various technical activities are conducted.

The department is also running a newsletter

**Activities of EEE Department:-**

**Name of department association: LEE.**

**Activities of ME Department:-**

**Name of department association: FAME.**

The department conducts Quiz programme for students.

**Activities of CIVIL Department:-**

**Name of Department Association: NICE**

**Activities of ENGLISH Department:-**

1. To make students confident and fluent in oral English communication, an effective practice is being followed in all English classes by the English faculty of SVEC.

The first 10 minutes of every English session is turned into a student interactive activity where in the faculty calls a few students randomly, one after another onto the dais and the student shares a word, its meaning, various parts of speech, synonyms and the contextual usage of it, the entire class note them down. It could be a word /idiom/ a saying or a quotation/ an anecdote, etc.. This practice has proved to be far reaching in its positive influence on students in improving their confidence levels , public speaking etiquette, language exposure and creativity abilities.

2. **Innovative Lab practice**

The English faculty of SVEC have formulated a fool proof system of continuous student performance, assessment and appraisal. A format has been designed which contains the Roll provision for no. of the student, lab task, marks allotted and more importantly the remarks of the faculty on the performance of the student along with provisions for date and day. This way , the student is immediately appraised of his performance in various LSRW skill-enhancing tasks and a detailed record of what he/she does is maintained to gauge the graph of student learning. This method facilitates accurate observation of whether the outcomes are in line with the objectives of the course.

**Activities of MBA Department:-**

**Name of department association: RAYS.**

Department initiates a Newsletter “SAADHANA”

A group of 10 students are formed into a **Quality Circle**. A faculty is assigned to each group to look after academic developments of students.

**Activities of MCA Department:-**

**SPARC:** Department Association, Technical and sports Events.

Department initiated **CSI** student chapter through which various technical activities are conducted.

**Technical Events :** Seminars on technical topic by students are held.

**Learn a word programme :** Every day, a student contributes a word and explains the usage of the word in various contexts along with 3 synonyms and 3 antonyms.

**Aptitude Test :** Every alternative week end, aptitude test is conducted for 2<sup>nd</sup> and 3<sup>rd</sup> year students.

**7.3 Best Practices:**

**7.3.1 Elaborate on any two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.**

Even though the college has quite a number of healthy practices, three of them, “Faculty Motivation”, “Faculty Retention” and “Student Motivation” deserve special mention. There is a growing need for educational institutions to become more sensitive to the needs of the students and staff.

The institution lays special emphasis for implementing these practices. These, in tandem with the innovations mentioned earlier, have contributed, in a large measure, to the achievement of the institutional objectives as well as improvement in the quality of different activities of the college.

**Best Practice – I**

**Title of the Practice : Faculty Motivation towards Research**

**Goal of this practice :**

The goal is to motivate the faculty to pursue higher studies and Research to enhance their skills and to retain them with special incentives.

**The Process:**

An incentive of Rs 3000/- for research publication in international journal and Rs 1000/- for publication in national journal will be paid to staff-members.

Faculty is encouraged to attend the workshops, conferences by paying Registration fee, TA &DA.

Upon completion of Ph.D programme substantial increase in the pay is given.

### **Impact of the practice:**

Due to the great encouragement given by the Management, many of the staff members were motivated to register for Ph.D. programme and 265 research articles have been published and also these special incentives led to retention of the staff as well.

**Resources Required :** Provision is made in the Budgetary Allocations.

### **Best Practice II**

#### **Title of the Practice : Staff Retention**

#### **Goal of this practice:**

The goal of this practice is to retain senior faculty members and to minimize employee attrition.

#### **The Process:**

#### **Introduced Innovative Employee welfare programs**

- **Free** hostel accommodation for faculty members and subsidy is given to all employees in college canteen.
- All staff members are provided tea twice daily at 10:30 am and at 2:30 pm. During summer buttermilk is served in the afternoon.
- Subsidy is given to all staff members in college transportation.
- Providing maternity leave for women staff-members for 3 months.
- Medical leave, family calamity leave and marriage leave for bachelor employee.

#### **Creating a family-like work-environment**

The college management always create a family-like work-environment to increase the sense of belongingness among staff and motivate them to retain, some such measures are

- Conducting sports tournaments for faculty members.
- Conducting Kartheeka maasam bhojnam in the month of auspicious Kartheeka every year.
- Providing lunch to all staff members during events such as first year inaugural Programme in the college, and others dept/college level functions.
- Providing transportation for employees' personal events like marriages.

#### **Introduced Cash Incentive:**

The staff members will be paid a sum of Rs 25000/- upon completion of their 10 years of service in the institution. The beneficiaries of this practice are as follows;

S.No.	Year	Name of the Faculty	Department
1	2013-14	G LOSHMA	CSE
		M.RAM PRASAD REDDY	EEE
2	2012-13	MR. V. KIRAN KUMAR	MBA
3	2011-12	N.RAJA SEKHAR	BSH
		B.RAMA GOPAL	BSH
		DR. V.V.HANUMANTHA RAO	BSH
		P.N.V.GOPALA KRISHNA	ME
		K N H SRINIVAS	ECE
		V VENKATESWARA RAO	CSE
		G.SRINIVASA RAO	IT

**Impact of the practice :** Due to the facilities and encouragement given by the management staff retention is very high

**Resources Required:** Provision is made in the Budgetary Allocations.

### Best Practice III

#### Title of the Practice : Student Motivation

#### Goal of this practice:

The goal of this practice is to motivate students towards curricular and co-curricular activities.

#### The process:

The students are expected to be strong in academics and have good industrial exposure. They are encouraged to update their knowledge with latest developments in their respective disciplines and allied subjects. Students who stood First, Second and Third in Academics will be encouraged with incentives of Rs 1000/-, Rs 750/-, and Rs 500/- respectively.

- In addition to good academic record, the students need to develop leadership qualities and good communication skills and soft skills. In this aspect, eminent personalities from various reputed institutes and industries are invited to impart the practical exposure to the students through workshops, seminars, guest lectures, etc.
- Also, the students are motivated to share their ideas with the outside world by presenting their work in National / International conferences.
- The students are monitored regularly by class monitoring committees and conduct of remedial classes where necessary.
- Students are encouraged to visit the industries for a practical exposure of technology use and corporate practices.
- Scholarships are given for meritorious students.

The following candidates, who secured below 15000 rank in EAMCET-2013 and admitted in this college are awarded a merit scholarship of RS 20,000/- per each candidate per year .

S.No	year	No. Of Students	Branch
1	2013-14	6	ECE
		1	EEE
		2	CSE

The following candidates, who secured between 15000-20000 rank in EAMCET-2013 and admitted in this college are awarded a merit scholarship of RS 15,000/- per each candidate per year .

S.No.	Year	No. of Students	Branch
1	2013-14	3	ECE
		1	EEE
		1	CSE

These students continue to receive the scholarship throughout the course, if they maintain good performances.

In addition there are cash awards instituted by certain individuals with specific performance criteria like 'Best outgoing girl student', "Highest percentage of marks in specific subjects taken together" etc.,

**Impact of the practice:**

These practices are resulting in better ranking students taking admission in I year. They will also create a competitive spirit and motivate the students to improve their performance.

**Resources Required:** Provision is made in the Budgetary Allocations.

**PART – E**  
**Evaluative Reports of the**  
**Departments**

## Evaluative Report of the Department

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the Department : **CIVIL ENGINEERING**
2. Year of Establishment : **2011**
3. Names of Programmes / Courses offered ( UG , PG, M. Phil, Ph.D., Integrated Masters, Integrated Ph.D. etc) : **UG (B.Tech)**
4. Names of Interdisciplinary Courses and the departments / units involved:  
**No Interdisciplinary Courses offered.**
5. Annual / Semester / Choice based credit system (Programme Wise):  
**Semester system with Credits.**
6. Participation of the department in the courses offered by other departments:  
**Offers Civil Engineering related subjects to students of other departments.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses / programmes discontinued ( if any ) reasons : **NIL**
9. Number of Teaching posts

Designation	Sanctioned	Filled
Professors	1	-
Associate Professors	2	1
Assistant Professors	9	13

10. Faculty Profile with name, qualification, designation, specialization, (D.s.c/D. Litt./Ph.D/ M. Phil etc.,)

S.No.	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	M.Sambasivarao	M.Tech.	Assoc. Prof.	Structures	27
2	G.V.L.N.Murthy	M.E.	Asst. Prof.	Transportation	8
3	T.Yeswanth sai	M.S.	Asst. Prof.	Structures	5
4	BDNV Prasad M	M.Tech.	Asst. Prof.	Transportation	2
5	G.Sravan kumar	B.Tech.	Asst. Prof.		3
6	G.Kumar Shankar	B.Tech.	Asst. Prof.		3
7	V.N.Madhuri	B.Tech.	Asst. Prof.		3
8	S.Chandra kala	B.Tech.	Asst. Prof.		2
9	L.Vyshnavi sai	B.Tech.	Asst. Prof.		2
10	Ch.Suresh	B.Tech.	Asst. Prof.		1
11	Y.Krishna	B.Tech.	Asst. Prof.		2



12	K.Ramesh	B.Tech.	Asst. Prof.		Joined in July 2014
13	V.Padmini	B.Tech.	Asst. Prof.		Joined in Dec2014
14	N.Sindhuja	B.Tech.	Asst. Prof.		Joined in Dec 2014

11. List of Senior Visiting Faculty : **NIL**

12. Percentage of lectures delivered and practical classes handled ( Programme wise) : **N/A**

13. Student – Teacher Ratio ( Programme Wise ) : **UG- 15:1**

14. Number of academic support staff ( Technical) and administrative Staff ;  
sanctioned and filled : **3**

15. Qualifications of teaching faculty with Dsc/ D.Litt/ Ph.D/M. Phil /PG : **4**

S.No.	Qualification	No. of Faculty
1	PG	4

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 : **The college facilities will be used by the faculty to pursue their PhD program with the University.**

19. Publications

a) Publication per faculty :

Name of the Faculty	Conference Attended/ Journal Published	Papers Presented/ Published
<b>L Vyshnavi Sai</b>	1. <b>National Conference on recent Research Advances in Civil Engineering (RRACE-2014)</b>	Model of Existing Intercity Public Transportation
	2. <b>International Journal of Multidisciplinary and Scientific Emerging Research</b> (ISSN: 2349-6037) in Vol.4, No.1 (Jan/Feb 2015) at page no. 1038 - 1044	An Experimental Study On Strength Properties Of Concrete By Partially Replacing Cement With Metakaolin
	3. <b>International Journal of Engineering Research &amp; Technology (IJERT) ISSN: 2278-</b>	An Experimental Study on Strength Properties of Concrete by Partially Replacing Cement with Sugarcane

	0181 in Vol. 4 Issue 02, February-2015 at page no:518-521	Baggase Ash
<b>GVLN Murthy</b>	<b>1. National Conference on recent Research Advances in Civil Engineering (RRACE-2014)</b>	<ol style="list-style-type: none"> <li>1. Model of Existing Intercity Public Transportation</li> <li>2. Silty Soil Stabilization using Bituminous Emulsion</li> <li>3. Stabilization of Black cotton Soils Using Jindal Global Road Stabilizer</li> <li>4. Integrated Land –Use Tranaport Model – An Overview</li> <li>5. A Study on speed Breakers and Impact on Speed and Vehicle Operating Cost</li> </ol>
	<b>2. International Journal of Multidisciplinary and Scientific Emerging Research ( IJMSEER)</b> (ISSN: 2349-6037) in Vol.4, No.1 (Jan/Feb 2015) at page no. 1038 -1044	An Experimental Study On Strength Properties Of Concrete By Partially Replacing Cement With Metakaolin
	<b>3. International Journal of Engineering Research &amp; Technology (IJERT)</b> ISSN: 2278-0181 in Vol. 4 Issue 02, February-2015 at page no:518-521	An Experimental Study on Strength Properties of Concrete by Partially Replacing Cement with Sugarcane Baggase Ash
<b>M Sambasivarao</b>	<b>1. International Journal of Multidisciplinary and Scientific Emerging Research ( IJMSEER)</b> (ISSN: 2349-6037) in Vol.4, No.1 (Jan/Feb 2015) at page no. 1038 - 1044	An Experimental Study On Strength Properties Of Concrete By Partially Replacing Cement With Metakaolin
	<b>2. International Journal of Engineering Research &amp; Technology (IJERT)</b> ISSN: 2278-0181 in Vol. 4 Issue 02, February-2015 at page no:518-521	An Experimental Study on Strength Properties of Concrete by Partially Replacing Cement with Sugarcane Baggase Ash
<b>T Yeshwanth Sai</b>	<b>1. International Journal of Multidisciplinary and Scientific Emerging Research ( IJMSEER)</b> (ISSN: 2349-6037) in Vol.4, No.1 (Jan/Feb 2015) at page no. 1038 - 1044	An Experimental Study On Strength Properties Of Concrete By Partially Replacing Cement With Metakaolin
	<b>2. International Journal of Engineering Research &amp; Technology (IJERT)</b> ISSN: 2278-0181 in Vol. 4 Issue 02, February-2015 at page no:518-521	An Experimental Study on Strength Properties of Concrete by Partially Replacing Cement with Sugarcane Baggase Ash

## 20. Areas of consultancy and income generated :

S.No.	Area of Consultancy	Company	Income Generated
1	Testing of Soil	APEWIDC	6000
2	Testing of Concrete Cubes	APEWIDC	6000
3	Testing of CC Cubes and Bricks	YSR HU	1500
4		YSR HU	600
5		YSRHU	600
6	Design Mix	YSRHU	5000
7			5000

Testing of soils, cement concrete, cement mortar, Steel, Bricks and Timber etc

21. Faculty as members in : **NIL**

- a) National Committees b) International Committees c) Editorial Boards

22. Student Projects : **First and present batch will appear their final semester exams in April 2015.**

- 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- **Students are doing internship at IVRCL, Hyderabad.**

23. Awards / Recognitions received by faculty and students: **The Top 3 Students of each class in every branch are awarded with cash prize by the college in every semester.****Student achievements**

S.No	Name of Student	Event	Prize
1	T Raj Kumar, J Narendra V Dinesh Chowdary	Model Making	2 <sup>nd</sup> (2500 Cash Award)
2	M Venu	AutoCad	1 <sup>st</sup>
3	P Mounika	Quiz , AutoCad	1 <sup>st</sup> and 3 <sup>rd</sup>
4	V Haritha U Naga Jyothi	PPT	3 <sup>rd</sup>
5	B Sandeep Raj B Krishna Prasad P Gowri Shankar	Basket Ball	1 <sup>st</sup> , 2 <sup>nd</sup>

## 24. List of eminent academicians and scientists / visitors to the department :

S.No.	Date	Name	Designation	Department
1	15/02/2014	Dr. Kameswara Rao	Professor	NIT, Warangal
2	15/07/2014	Prasad V S K Gunturi	Senior Vice President	Willis Re – Minneapolis, US

3	22/08/2014	Dr. G S Murthy	Professor	Nuclear Chemistry
4	15/09/2014	S. Brahma Reddy	Executive Engineer	PanchayatRaj, Narasapuram

25. Seminars / Conferences / Workshops organized & the source of funding : **NIL**

26. Student profile programme / course wise : **NOT APPLICABLE**

27. Diversity of Students

Name of the Course		% of Students from the same state	% of Students from other states	% of Students from abroad
B.Tech	2011-12	100	NIL	NIL
	2012-13	100	NIL	NIL
	2013-14	100	NIL	NIL
	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. : **NOT APPLICABLE**  
(First and present batch will appear their final semester exams in April 2015.)

29. Student Progression

Student Progression	%Against enrolled
UG to PG	---
PG to M.Phil	
PG to Ph.D.	
Ph.D. to Post Doctoral	
Employed	2014-15 till date
• Campus Selection	11.4 (4/35)
• Other than campus recruitment	---
Entrepreneurship / Self Employment	

30. Details of Infrastructural facilities

- Library : **Department Library with 101 volumes.**
- Internet facilities for Staff & Students: **Yes (20 Mbps BSNL Broadband and 12 Mbps Railtel leased line 1:1)**
- Class rooms with ICT facility: **One e-Class room is available in the department**
- Laboratories: **Yes**

**Details of Laboratories:**

S.No.	Name of the Laboratory	Area (sq.m)	Investment(Rs)
1.	Engineering Geology Lab	83	34270/-
2.	Surveying Lab	52	618267/-
3.	Concrete Technology Lab	75	457451/-
4.	Transportation Engineering Lab	75	219911/-
5.	Geotechnical Engineering Lab	150	527020/-

31. Number of students receiving financial assistance from college , university , Government or other agencies:

- **More than 60% of students receive Fee reimbursement by AP. Government.**
- **College Management gives concession in tuition fee, hostel fee and bus transport to deserving poor students.**

32. Details on student enrichment programmes ( special lectures / workshops / seminar ) with external experts :

S.No.	Date	Name	Workshop Topic
1	16/09/2014 17/09/2014	Mr.M Ravichandra, Freelance Consultant	Total Station
2	25/09/2014 to 27/09/2014,	Mr.Nitin, Technosoft Solutions	GIS
3	07/10/2014 to 09/10/2014		

33. Teaching methods adopted to improve student learning :

- **ICT enabled Classroom teaching**
- **Tutorials,**
- **Guest lectures,**
- **NPTEL lectures,**
- **Assignments,**
- **Remedial classes,**
- **Models and charts,**
- **Regular seminars,**
- **CoEerd and**
- **QEEE facilities are provided.**

34. Participation in Institutional Social Responsibility (ISR and Extension activities):

- i) Conducted blood donation camps.
- ii) Funds to people affected by disasters like cyclones etc.

- **Contributed Rs. 6,000/- donated by the students and faculty towards the medical expenses of a cancer patient.**
- **Staff of our department contributed one day salary towards the State Capital Development Fund of Andhra Pradesh Government.**

35. SWOC analysis of the department and future plans.

**STRENGTHS:**

- Well equipped laboratories.
- Library facilities with more number of volumes which is enhanced with E- books.
- Well furnished class rooms.
- Uninterrupted internet facilities.
- Full Admission as per Intake.
- Infrastructure with Pollution less Environment.

**WEAKNESSES:**

- Lack of Industries nearby.
- Less scope for consultancy because of rural surroundings.
- Poor Communication skills of students at entry level.

**OPPORTUNITIES:**

- Opportunities available for research and development.
- Better chances of learning through guest lectures, e-learning and workshops.
- Eligible for UGC development funds as per 2(F) 12(B) UGC Act 1956.

**CHALLENGES:**

- Campus Drives are to be increased.
- Motivating the Students towards R&D.
- 100% Placement.

**FUTURER PLANS:**

- To get NAAC & NBA Accreditation
- To organize National Level Technical Symposium
- To Establish Center of Excellence
- To achieve 90% and above results.

## Evaluative Report of the Department

1. Name of the Department : **ELECTRICAL & ELECTRONICS ENGINEERING**

2. Year of Establishment : **2002**

3. Name of the Programmes / Courses offered:

UG. in B. Tech. (Electrical and Electronics Engineering)

PG. in M.Tech. (Power Electronics)

PG. in M.Tech. (Power System Control & Automation)

4. Name of Interdisciplinary courses and the departments / units involved :

**No Interdisciplinary Programmes**

5. Annual / Semester / choice based credit system (programme wise)

a) B.Tech - (Electrical and Electronics Engineering) - Semester system with credits

b) M. Tech.- (Power Electronics) - Semester system

c) M. Tech.- (Power system Control & Automation) - Semester system

6. Participation of the department in the courses offered by other departments

S.No	Programme	Courses offered by other department
1	B.Tech	Offers Electrical related subjects in other departments (Electronics & Communication Engineering, Mechanical Engineering and Civil 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	3	1
Associate Professors	6	1
Asst. Professors	21	25

## 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.Ch.Rambabu	Ph.D	Professor	Electrical Power System	14
2.	Mr.M R.P.Reddy	M. Tech.(Ph.D)	Associate Professor	Electrical Power System	14
3.	Mr.Ch.Narendra kumar	M. Tech.(Ph.D)	Assistant Professor	Power Electronics	9.2
4.	Mr.U.Chandra Rao	M. Tech.(Ph.D)	Assistant Professor	High Voltage Engineering	10.2
5.	Mr.N.Sri harish	M.Tech	Assistant Professor	High Voltage Engineering	9.2
6.	Mr.Ch.V S R G Krishna	M.Tech	Assistant Professor	VLSI	7
7.	Mr.K.V Bhargav	M.Tech	Assistant Professor	Power Electronics	7
8.	Mr.A.Jamalaiah	M.Tech	Assistant Professor	High Voltage Engineering	5.10
9.	Mr.K.Ramesh Babu	M.Tech	Assistant Professor	Power Electronics	6
10.	Mr.G.Anand kumar	M.Tech	Assistant Professor	Power System Operation and Control	6
11.	Mr.A.Nageswara Rao	M.Tech	Assistant Professor	EEE	3
12.	Mr.B.N V V Prudhvi Krishna	M.Tech	Assistant Professor	EEE	2.7
13.	Mr.P.S V N Sudhakar	M.Tech	Assistant Professor	Power Electronics	3.6
14.	Mr.L.Janardhana rao	M.Tech	Assistant Professor	High Voltage Engineering	6
15.	Mr.G.N V Sarath	M.Tech	Assistant Professor	Control System	9
16.	Mr.K.Suresh	M.Tech	Assistant Professor	Power Electronics	3



17.	Mr.B.Rama Chandra Rao	M.Tech	Assistant Professor	Power Electronics	1
18.	Mr.S.Hari Babu	B.Tech	Assistant Professor	EEE	1
19.	Ms.K.Mounika Ramya	B.Tech	Assistant Professor	EEE	1
20.	Mr.M.T.V.L. Ravi Kumar	M.Tech	Assistant Professor	Power Electronics	8
21.	Mr.V. Rama Narayana	M.Tech	Assistant Professor	High Voltage Engineering	4
22.	Mr.Chandra Babu Guttikonda	M.Tech	Assistant Professor	Power Electronics	4
23.	Mr.Sudhir Mallampati	M.Tech	Assistant Professor	Power & Energy System	6 Months
24.	Mr.R. Srinivas	M.Tech	Assistant Professor	Power Electronics	7
25.	Mr.B. Prasad Reddy	M.Tech	Assistant Professor	Power Systems	2
26.	Mr.G. Madhu Sagar Babu	M.Tech	Assistant Professor	Power Electronics	5
27.	Ms.Ch. Jaya Sri	M.Tech	Assistant Professor	Power Electronics	3

## 11. List of senior visiting faculty

Dr. Ch. Padmanabha Raju

## 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : Nil

## 13. Student – Teacher Ratio (programme wise)

Programme	Student – Teacher Ratio
UG	15:1
PG	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Type of staff	Sanctioned	filled
Support staff (technical)	4	4
Administrative staff	3	3

15. Qualification of teaching faculty with D.Sc. / D.Litt. / Ph.D. / M. Phil / PG.

**No.of faculty with Ph.D: 01**

**No. of faculty with PG (M.Tech): 24**

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 (last 4 Years) :

**a) Publications per faculty**

S.No.	Name of the Faculty	No. of International Journals	No. of International Conferences	No. of National Conferences	Total
1.	Dr.Ch.Rambabu	49	5	2	56
2.	Mr.M R.P.Reddy	10	3	3	16
3.	Mr.Ch.Narendra kumar	10	3		13
4.	Mr.U.Chandra Rao	11			11
5.	Mr.N.Sri harish	8	1	1	10
6.	Mr.Ch.V S R G Krishna	6	1	1	08
7.	Mr.K.V Bhargav	7	1		08
8.	Mr.A.Jamalaiah	2			02
9.	Mr.K.Ramesh Babu	5			05
10.	Mr.G.Anand kumar	1			01

11.	Mr.P.S V N Sudhakar	1			01
12.	Mr.L.Janardhana rao	1			01
13.	Mr.Mr.G.N V Sarath	3			03
14.	Mr.K.Suresh	4			04
15.	Mr.M.T.V.L. Ravi Kumar	1			01
16.	Mr.V. Rama Narayana	1			01
17.	Mr.Chandra Babu Guttikonda	1			01
18.	Mr.R. Srinivas	1			01
19.	Mr.G. Madhu Sagar Babu	2			02
20.	Mr.Ch. Jaya Sri	1			01
21.	Mr.A.Nageswara Rao		1		01
22.	Mr.B.N V V Prudhvi Krishna	1			01

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. Students projects

- a) Percentage of students who have done in-house projects including inter departmental / programme : **100%**
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories / Industry / other agencies : **Nil**

23. Awards / Recognitions received by faculty and students

- a) **Faculty: Nil**
- b) **Student: Nil**

## 24. List of eminent academicians and scientists / visitors to the department

Year	Name of the academician/ scientist	Designation	Organization	Date	Purpose of Visit
2014 – 15	Mr.T. Murali Mohan	Asst.Professor, Dept. of EEE	JNTU Kakinada	31/12/2014	Guest Lecture
	Mr.S.Janardana Rao	Divisional Engineer	APEPDCL.	18/12/2014	Guest Lecture
	Mr.S.Janardana Rao	Divisional Engineer	APEPDCL.	15/09/2014	Guest Lecture
2013 – 14	Dr.Y.P.Obulesu	Professor	LBRCE, Mylavaram	16 <sup>th</sup> Nov 2013	Seminar
	Mr.B.Rajeswari	Divisional Engineer	APEPDCL, AP	15 <sup>th</sup> Sep 2013	Guest Lecture
2012-13	Mr.Sri N. Siva Prasad	Divisional Engineer	KTPS, Kottagudem	25 <sup>th</sup> Jan 2013	Guest Lecture
2011-12	Mr.R. Rajesh Babu Mr.S.Sandeep Mr.K. Hemanth Mr.K .Raghavendra	Project Engineers	PRDC Bangalore	21 <sup>st</sup> to 23 <sup>rd</sup> Feb 2012	Workshop
	Dr.M.Sydulu	Professor	NIT Warangal	18 <sup>th</sup> Feb 2012	Workshop
	Dr.Ch.Padmanabha Raju	Professor, EEE Dept.	PVPSIT, Vijayawada	7 <sup>th</sup> March 2012	Guest Lecture
	Mr.D.Raja GopalaRao	Deputy Chief Inspector of Factories	Govt.of AP	16 <sup>th</sup> June 2011	Workshop
	Mr.T.V. Surya Prakash	Superintendent Engineer	APEPDCL, AP	15 <sup>th</sup> Sep 2011	Workshop
	Ms.B. Rajeswari	Divisional Engineer	APEPDCL, AP	15 <sup>th</sup> Sep 2011	Guest Lecture

<b>2010-11</b>	Mr. D.Raja GopalaRao	Deputy Chief Inspector of Factories	Govt.of AP	26 <sup>th</sup> June 2010	Workshop
	Mr.Sri. S. Ganapathi	Rtd. Superintendent Engineer	APTRANSCO, AP	21 <sup>st</sup> January 2011	Workshop
	Dr. M.Siva Kumar	Professor	GEC, Gudlavaluru	12 <sup>th</sup> Feb 2011	Guest Lecture

25. Seminars / Conferences / Workshops organized and the source of funding

a) National

S.No.	Year	Name of the Seminar / Conference / Workshop	Date(s)	Source of funding
1	<b>2014-15</b>	ELEVATE 2K14	15 <sup>th</sup> September 2014	SVEC
2		One day workshop on “Energy conservation	18 <sup>th</sup> December 2014	SVEC
3		Seminar on “Recent Advances in Electrical Engineering”	31 <sup>st</sup> December 2014	SVEC
	<b>2013-14</b>			
4	<b>2012-13</b>	ELEVATE 2K12	14 <sup>th</sup> & 15 <sup>th</sup> September,2012	SVEC
5	<b>2011-12</b>	One day workshop on “Recent Trends in Power Systems” By Dr. M.Sydulu Professor, NIT Warangal	18 <sup>th</sup> Feb 2012	SVEC
6		“First Aid and Safety” Workshop By D.Raja GopalaRao Rao Deputy Chief Inspector of Factories, Eluru	16 <sup>th</sup> June 2011	SVEC
7		“Classic Problems and New Technologies” By Dr. Suresh Chandra Satapathy	8 <sup>th</sup> Aug, 2011	SVEC
8		Work Shop On “Ethical Hacking And Cyber Forensics” by Cyber Cure Solution, Delhi	16&17 <sup>th</sup> Dec, 2011	SVEC
9	<b>2010-11</b>	One day workshop on “Energy Conservation” by Mr. S.Ganapati Rtd.SE, APTRANSCO	21 <sup>st</sup> January 2011	SVEC
10		One day workshop on “Real Time Applications in Electrical Engineering” By Dr.K.Gopichand	12 <sup>th</sup> March 2011	SVEC
11		One day workshop on “Electrical	26 <sup>th</sup> June 2010	SVEC

		Safety and First Aid” By D.Raja GopalaRao Rao Deputy Chief Inspector of Factories, Eluru		
12		Seminar on “Opportunities for Higher Education” By Karam Kaur Assistant Manager(Marketing) Middlesex University, UK	16 <sup>th</sup> March 2011	SVEC

b) International : Nil

26. Student profile programme / course wise: N.A.

\* Admissions are through EAMCET/PGECET counseling of AP State Govt.

27. Diversity of students

Year of Admission	Name of the Course	% of students from the same state
2011-15	B.Tech (EEE)	100
2010-14		100
2009-13		100
2008-12		100
2013-15	M.Tech (PE)	100
2012-14		100
2011-13		100
2010-12		100
2009-11		100
2013-15	M.Tech (PSC&A)	100
2012-14		100
2011-13		100

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the Competitive examination	2013 - 14	2012 - 13	2011-12
GATE	1	5	7
GRE	1	5	0
Public Sectors	-	-	1

29. Student progression

Student progression	%Against enrolled			
	2014-15 till date	2013-14	2012-13	2011-12
UG to PG	NA	9 (12.8%)	7 (10.6%)	7 (9.72%)
Employed • in Campus selection	15.8 (10/63)	--	--	58.4 (31/53)
Employed • in Other than Campus recruitment	---	55.8 (19/34)	17 (8/47)	5.6 (3/53)

30. Details of Infrastructural facilities

a) Library : : **Plinth Area - 10 sq.mts**

No. of Titles	No. of Volumes	No. of Computers	No. of E-Journals	No. of Print Journals
102	1256		30	5

b) Internet facilities for Staff & Students

- 20 Mbps broad band from BSNL
- 12 Mbps leased line 1:1.

c) Class rooms with ICT facility : **01**

The campus is Wi-Fi enabled.

## d) Laboratories

S.No	Name of the laboratory	Area (Sq.Mts)	Total Investment (Rs.)
1	Electrical Circuits	76.8	2,86,575
2	Electrical Measurements	106	3,86,323
3	Electrical Machines - I	160	5,14,445
4	Electrical Machines - II	106	3,56,085
5	Control Systems	76.8	2,84,659
6	Power Electronics	102.4	2,56,456
7	Power Systems	76.8	1,44,946
9	Power Electronics and Electrical Drives	102.4	4,84,119
10	Electrical Simulation	56.8	6,62,458

31. Number of students receiving financial assistance from college, university, government or other agencies

Agency	No. of students received financial assistance			
	2014-15	2013-14	2012-13	2011-12
College	2	2	-	-
Government	Yet to receive	78	134	108

**The college management gives concession in Tuition fee / Hostel fee / Bus transport to deserving Poor students.**

32. Details on student enrichment programmes (special lectures / workshops / seminars) with external experts

Year	Title of the Programme	Special Lectures / workshops / seminar	Date (s)	No. Benefited
2014-15	Recent Advances in Electrical Engineering	Special Lectures	31/12/2014	4 <sup>th</sup> year B.Tech and M. Tech. students
	A lecture on Need of Energy conservation and techniques	Special Lectures	18/12/2014	4 <sup>th</sup> year B.Tech and M. Tech. students
2013-14	Seminar on FACTS Devices and their applications in Power System.	Special Lectures	16 <sup>th</sup> November 2013	All M. Tech. students with Faculty members



<b>2012-13</b>	Guest Lecture on Over view of thermal power plants.	Special Lectures	25 <sup>th</sup> January 2013	All B.Tech EEE students
<b>2011-12</b>	Work Shop On Ethical Hacking And Cyber Forensics by Cyber Cure Solution, Delhi	Workshop	16 & 17 <sup>th</sup> Dec, 2011	4 <sup>th</sup> year B. Tech. Students
	Guest Lecture on Latest Trends in Power System Operation	Special Lectures	07 <sup>th</sup> March 2012	All B.Tech EEE & M. Tech.students
	One day workshop on Recent Trends in Power Systems	Workshop	18 <sup>th</sup> Feb 2012	All B.Tech EEE & M. Tech.students
	Guest Lecture on Modelling and Control of Electrical Drives	Special Lectures	20 <sup>th</sup> August 2012	All B.Tech EEE & M. Tech.students
	Campus Recruitment Training Program	Special Lectures	29 <sup>th</sup> August 2011 to 4 <sup>th</sup> September 2011	4 <sup>th</sup> year B. Tech. Students
<b>2010 - 11</b>	One day workshop on Electrical Safety and First Aid	Workshop	26 <sup>th</sup> June 2010	All B.Tech EEE students
	One day workshop on Energy Conservation	Workshop	21 <sup>st</sup> January 2011	All B.Tech EEE & M. Tech.students
	Guest Lecture on Modern Technologies in Control Systems.	Special Lectures	12 <sup>th</sup> Feb 2011	All B.Tech EEE & M. Tech.students
	One day workshop on Real Time Applications in Electrical Engineering	Workshop	12 <sup>th</sup> March 2011	4 <sup>th</sup> year B. Tech. Students

### 33. Teaching methods adopted to improve student learning

- For effective teaching the class rooms are provided with LCD and OHP
- To improve the student's knowledge beyond the academic syllabus, the college providing video lectures of NTPEL, CoEeRD and QEEE.
- Effective student counseling.
- Class Monitoring Committees.
- Guest lectures by Academicians & Industrial Experts.
- Interaction with Alumni.
- Distribution of Course Handouts.
- Maintenance of course files.
- University results are critically analyzed and discussed at the faculty meeting. Follow-up actions are initiated.
- Add-on courses are conducted for the students of 3<sup>rd</sup> & 4<sup>th</sup> years. Experiments beyond prescribed syllabus are included for each Laboratory class.

- Parent's feedback is taken on academic performance of the students and teaching and learning in parents meeting which will be conducted once in every academic year for improving the student performance.
- Remedial classes are being conducted to slow learners for improving their academic performance.
- Feedback on classroom teaching is being taken twice in a semester.
- Department conducts staff meetings for review of academics and other related works.

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Year	Name of the activity	Venue	Date(s)	No. of students participated
2014 – 2015	State Capital Development fund	Sri Vasavi Engineering College, Tadepalligudem.	31/07/2014	All EEE Department Faculty
	Financial support to the student injured in fire accident	Sri Vasavi Engineering College, Tadepalligudem.	10/10/2014	All EEE Department Faculty & Students
	Awareness camp on Energy conservation	Sri Vasavi Engineering College, Tadepalligudem.	18/12/2014	All EEE Department Faculty & Students
2013 – 2014	Every month Financial support to mentally handicapped people	Satya Prasad mentally handicapped welfare association,	13/04/2013 To 19/03/2014	EEE Department
2012 – 2013	Blood donation camp (ASRAM Hospital Blood bank, Eluru )	Sri Vasavi Engineering College, Tadepalligudem.	03/08/2012	23
	Every month Financial support to handicapped people	Bharathi Vikalangula seva samithi, Gollagudem, Devarapalli(mandal)	08/04/2012 To 11/10/2012	EEE Department
	Every month Financial support to handicapped people	Bharathi Vikalangula seva samithi, Gollagudem, Devarapalli(mandal)	25/12/2012 To 10/03/2013	EEE Department
2011 – 2012	Financial support to handicapped people.	Bharathi Vikalangula seva samithi, Gollagudem, Devarapalli(mandal)	18/03/2012	EEE Department
2010 – 2011	Blood donation camp (Govt. Hospital Blood bank, Eluru )	Sri Vasavi Engineering College, Tadepalligudem.	03/08/2011	102

### 35. SWOC analysis of the department and Future plans

#### **Strengths**

- The Institution is surrounded by lush green fields providing serene atmosphere.
- Availability of qualified, experienced and committed faculty.
- Continuous upgrading of infrastructure facilities and Teaching and learning Methodologies.
- Conducive atmosphere for the all round development of the students.
- Well equipped labs with modern equipment.

#### **Weaknesses**

- Lack of industries nearby.
- Poor communication skills of students at entry level due to rural back ground.
- Less Scope for R&D and consultancy because of rural back ground.

#### **Opportunities:**

- The department is accredited by NBA hence eligible for grant - in - aids by AICTE and other public sector agencies.
- Availability of qualified, experienced and trained faculty.
- Soft skills and related training Finishing School and association with alumni
- grabs the opportunities to raise the employability of the students.
- Continuous faculty development programmes at Institute.
- Scope for Industry Institute Interaction.

#### **Challenges:**

- Because of more no. of Engineering Colleges quality of intake is poor, especially in rural Engineering Colleges.
- Lack of industries nearby.

#### **Future Plans:**

- To establish centre of excellence in one or more thrust areas of Electrical Engineering.
- To enter into MOUs with reputed academic and Industrial international organizations.
- To establish research oriented laboratories.
- To attain a level of five years accreditation.
- To achieve 90% and above result.
- To achieve 90% placements among eligible candidates through campus selections.

## Evaluative Report of the Department

1. Name of the department : **MECHANICAL ENGINEERING**
2. Year of Establishment : **2010**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): **B.Tech ( Mechanical)  
M. Tech.(Machine Design)**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Semester system with credits**
6. Participation of the department in the courses offered by other departments :

The Department offers Mechanical Engineering related subjects to students of other disciplines.

S.NO.	DEPARTMENTS	SUBJECTS	YEAR/SEM
1.	EEE	Thermal & Hydro Prime Movers	2 <sup>nd</sup> year – I sem
2.	EEE	Engineering Mechanics	1 <sup>st</sup> year – II sem
3.	ECE		
4.	CIVIL		1 <sup>st</sup> year – I sem
5.	CSE		
6.	EEE	Engineering drawing & Workshop lab	1 <sup>st</sup> year – I sem
7.	ECE		
8.	CIVIL		1 <sup>st</sup> year – II sem
9.	CSE		

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NO**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**
9. Number of Teaching posts

Designation	Sanctioned	Filled
Professors	3	2
Associate Professors	6	2
Asst. Professors	18	23

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. G.V.N.S.R. Ratnakara Rao	Ph.D.	Professor & HOD	THERMAL ENGINEERING	17
2.	Dr. D.V.S.S.S.V. Prasad	Ph.D.	Professor	MANUFACTURING	23
3.	Mr. K. S. B. S. V. S. Sastry	M. Tech.(Ph.D)	Assoc. Prof.	COMPOSITES	10
4.	Mr. P. N. V. Gopala Krishna	M.Tech(Mech), M.Tech(CSE), MBA (Ph.D)	Assoc. Prof.	INDUSTRIAL QUALITY ENGINEERING	14
5.	Mr.Mohammad Ahasan	M.E,(Ph.D)	Asst. Prof.	MATERIALS/ MANUFACTURING	2
6.	Mr. K. Sri Rama Murthy	M.Tech	Asst. Prof.	THERMAL	11
7.	Mr. G. Rama Prasad	M.Tech	Asst. Prof.	MACHINE DESIGN	11
8.	Mr. K. Kiran Kumar	M.Tech	Asst. Prof.	MACHINE DESIGN	1.2
9.	Mr. SD. Karimulla	M.E	Asst. Prof.	CAD/CAM	6
10.	Ms. K. Dorathi	M.E	Asst. Prof.	CAD/CAM	4
11.	Mr. M. Venkata Naveen	M.Tech	Asst. Prof.	CAD/CAM	6
12.	Mr . B.N.V. Srinivas	M.Tech	Asst. Prof.	CAD/CAM	6
13.	Mr. T.S.S.R. Krishna	M.Tech	Asst. Prof.	CAD/CAM	5
14.	Ms. N. Tulasi Radha	M.Tech	Asst. Prof.	MACHINE DESIGN	13
15.	Mr. S. Chandrasekhar	M.Tech	Asst. Prof.	CAD/CAM	6
16.	Mr. P. Sandeep Kumar	M.Tech	Asst. Prof.	CAD/CAM	5
17.	Mr. SK. Surjan	M.Tech	Asst. Prof.	MATERIAL SCIENCE	0.6

18.	Mr. Phani Deep	M.Tech	Asst. Prof.	CAD/CAM	-
19.	Mr. G. Sujeevan	B.Tech	Asst. Prof.	-	2
20.	Mr. P. Vijay Kumar	M.Tech	Asst. Prof.	CAD/CAM	5
21.	Mr. V. Sarath Teja	M.Tech	Asst. Prof.	THERMAL	4
22.	Mr. P.V.D. Prasad	B.Tech,(M.Tech)	Asst. Prof.	THERMAL	3
23.	Mr. A. Manikanta Babu	B.Tech,(M.Tech)	Asst. Prof.	MACHINE DESIGN	2
24.	Ms. A. Jhansi	B.Tech,(M.Tech)	Asst. Prof.	CHEMICAL	2
25.	Mr.K.Hemanth	B.Tech,(M.Tech)	Asst. Prof.	THERMAL	1
26.	Ms. D. Kusuma	B.Tech	Asst. Prof.	-	1
27.	Ms. T. Mounika	B.Tech	Asst. Prof.	-	1

11. List of senior visiting faculty : NIL
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: **No**
13. Student -Teacher Ratio (programme wise) **B.Tech : 15:1 & M. Tech.: 12:1**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **7 members**
15. Qualifications of teaching faculty with **Ph.D-2/ PG – 18**
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: **The dept is relatively young. Only one batch has gone out**
18. Research Centre /facility recognized by the University: Nil
19. Publications: (**List enclosed**)
  - \* a) Publication per faculty
  - \* Number of papers published in peer reviewed journals (national / international) by faculty and students
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, DareDatabase - International Social Sciences Directory, EBSCO host, etc.)

20. Areas of consultancy and income generated : **Nil**

21. Faculty as members in : **01**

a) National committees b) International Committees c) Editorial Boards....

S.No.	NAME OF THE FACULTY	EDITORIAL BOARD
1.	Dr. D.V.S.S.S.V.Prasad	International Journal of Computer Technology & Research (IJCTR); e-ISSN No.: 2319-8184
		International Journal of Innovative Technology and Research (IJITR); ISSN No.: 2320-5547 and GIF Impact factor: 1.3064 as on 06th January 2015.
		International Journal of Mechanical Engineering and Computer Applications; ISSN No.: 2320-6349; Index Copernicus impact factor value 5.21 as on 06 <sup>th</sup> January 2015

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:

S.No	Name of the student	Year	Award
1.	Mr.D. Suresh Gupta	IV- year	Best idea award in entrepreneurship programme
2.	Mr. K. Venkata Ramana	IV-year	Best idea award in entrepreneurship programme

24. List of eminent academicians and scientists / visitors to the department:

S. No.	Date	Name of the Visitor	Designation
1.	07-07-14	Dr.N.Sambasiva Rao	Retired Professor IIT, KGP
2.	06-09-13	Mr.S.V.S.S.Srikanth	Ansys/FLUENT Technologies, Pune
3.	13-03-13	Mr.S.Mallikarjuna rao	Manager, Steel Plant, Visakhapatnam
4.	04-12-14	Dr.Ramadasu	Scientist 'E'- R & DE (E), DRDO, PUNE, INDIA
5.	06-08-14	Dr.T.V.K. Bhanu Prakash	Professor, College of Engineering, Andhra University
6.	28-12-2013	Mr. Nageswara Rao	Professor, from IIT, Mumbai
7.	10-04-2014	Mr.Sri Ram Kothapalli	Vice President and global head (Quality). ITC INFOTECL Ltd.

25. Seminars/ Conferences/Workshops organized & the source of funding:

**SEMINARS:**

S. No.	Date	Name of the Speaker	Designation	Topic	Source of Funding
1.	04-12-2014	Dr.Ramadasu	Scientist 'E'- R & DE (E), DRDO, PUNE, INDIA	Design of Thick and Thin cylinders	Source of funding is from the Management of Sri Vasavi Engineering College
2.	13-08-2014	Dr.D.V.S.S.S.Prasad	Principal, VISIT Engineering College, Tadepalligudem	Genetic Algorithms	
3.	06-08-2014	Dr. T.V.K .Bhanu Prakash	Professor, College of Engineering, Andhra University	Art & Science of Fluid Mechanics	
4.	07-07-14	Dr.N.Sambasiva Rao	Retired Professor IIT, KGP	Engineering mechanics made easy	
5.	06-09-2013	Mr. S. V. S. S. Srikanth	Ansys/FLUENT Technologies, Pune	ANSYS	
6.	30-10-2013	Dr. G. V. N. S. Ratnakara Rao	Principal, BIET Engineering College, Bhimavaram	An Insight Into Combustion in I.C. engines	
7.	28-12-2013	Mr. Nageswara Rao	Professor, from IIT, Mumbai	Presentation Skills	
8.	10-04-2014	Mr.Sri Ram Kothapalli	Vice President and global head (Quality). ITC INFOTECL ltd.	An insight into Six Sigma	
9.	13-03-2013	Mr. S.Mallikarjuna Rao	Manager, Steel Plant, Visakhapatnam	Manufacturing Processes	

**WORKSHOPS:**

S.NO	DATE	Event Name
1.	15-09-2014 & 16-09-2014	Workshop on Quadcopter Robot Building
2.	3-12-2014 To 5-12-2014	Workshop on Autocad
3.	27-11-2014	Workshop on Finite Elements Methods
4.	13-03-2014 & 14-03-2014	Workshop on Building A Robot To Perform Pick And Place Operations Using Obstacle Sensors.
5.	11-06-2014 to 16-06-2014	Workshop on CATIA V5 R19
6.	24-11-2014 To 01-12-2014	Workshop on CATIA V5 R19



## 26. Student profile programme/course wise: NA

\*M = Male \*F = Female

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	

## 27. Diversity of Students

Name of the Course	% of students from the same state
MECH	100%

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

GATE: 3 members

S.No	Name of the student	Year	Gate score	All india rank
1.	Mr.Dondapati Suvarna Chandrahas	2014	248	50,000
2.	Mr.Mudem Nagarjuna Reddy	2014	360	35,000
3.	Mr.Sesham Sivanjaneyulu	2014	335	40,000

## 29. Student progression

Student progression		% Against enrolled	
UG to PG		4.2 (3/60)	
		2014-15 till date	2013-14
Employed	Campus selection	68.7 (22/ 32)	9 (4/44)
	Other than campus recruitment	-	11.3 (5/44)
Entrepreneurship/Self-employment		Nil	

## 30. Details of Infrastructural facilities

a) Library

:1 Departmental Library with 211 Volumes

- b) Internet facilities for Staff & Students : 70 Systems with 20Mbps connectivity
- c) Class rooms with ICT facility :1
- d) Laboratories :12

S.No.	Name of the Laboratory	Area in sq. mts	Total investment
1.	Engineering Workshop	328.022	5,71,074/-
2.	Fluid Mechanics	140.581	5,77,295/-
3.	Production Technology	84.348	2,89,210/-
4.	Mechanics Of Solids & Metallurgy And Material Science	140.581	11,76,967/-
5.	Machine Tools	168.697	22,03,341/-
6.	Thermal Engineering	140.581	12,61,289/-
7.	Heat Transfer	84.348	3,20,975/-
8.	Metrology & Instrumentation And Control Systems	84.348	5,50,039/-
9.	Cad Lab	168.697	38,52,800/-
10.	Drawing Hall – 1	168.697	1,12,500/-
11.	Drawing Hall – 2 (Polytechnic Block)	178.069	1,12,500/-
12.	Machine Dynamics (M.Tech)	56.232	2,65,500/-

31. Number of students receiving financial assistance from college, university, government or other agencies : **fee reimbursement – 362**

**More than 60% of the students receive fee reimbursement from Government of A.P  
College also provides concession in Tuition fee, Hostel fee & Transport to deserving poor students.**

32. Details on student enrichment

33. Teaching methods adopted to improve student learning:

- Power point presentations
- Seminars by students
- Guest lectures
- Workshops
- Utilization of NPTEL Videos
- Utilization of materials provided through CoEeRD by JNTUK

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- AP state formation fund
- Blood Donation

35. SWOC analysis of the department and Future plans

**Strengths**

1. Excellent infrastructure
2. Motivated faculty members
3. Well equipped laboratories
4. Well qualified dedicated Faculty.
5. Encouragement from Management.
6. MOU's with ORACLE

**Weaknesses**

1. Lack of industries nearby.
2. Poor communication skills of students.
3. Less Scope for consultancy due to rural background.
4. Established 6 years ago.
5. Lack of self motivated students.

**Opportunities**

1. Financial autonomy
2. Internal/External funding for projects vide inclusion of institute under 2(f) & 12(b) of UGC.
3. Organizing International Conferences

**Challenges**

1. To complete the syllabus in short period of time with complete understanding of the students.
2. Getting funded projects;
3. To make students & faculty technically sound;
4. To improve the student's skill (technical and Communication) to fulfill the expectations of industries

**Future Plans**

1. Accreditation by NAAC & NBA
2. To Establish R & D Center.
3. Establishing incubation Center.
4. Good Academic results.
5. National Technical Fest
6. To increase number of Seminars
7. Labs modernization and adding facilities.

- Publications of the faculty:

year	Faculty details	Publication details	Impact factor
2014-2015	P.Vijay Kumar	3D Modelling and detailing of Silumin Piston with static analysis – IJSEAT	3.436
	N.Tulasi Radha	Modelling , Static and Thermal Analysis of CONROD using Composite Materials - ijarst	2.179
	Dr. G.V.N.S.R. Ratnakar Rao	Numerical study on different cross sectional stacked micro channel heat sink - IJERT	1.76
	V.Sarath Teja	Numerical study on different cross sectional stacked micro channel heat sink - IJERT	1.76
	S.Chandra Sekhar	Structural and thermal simulation of fins of an air cooled engine under varying speed conditions - IJSEAT	3.436
2013-14	N.Tulasi Radha	Effective Resolution Of Firewall Policies In International Journal Of Computer Science And Technology (Ijct), Issn: 2229-4333, Volume 4, Issue 3, July-September, 2013.	3.356
	N.Tulasi Radha	Successful Pattern Invention For Text Mining In International Journal Of Computer Science And Technology (Ijct), Issn: 2229-4333, Volume 4, Issue 4, Oct-December, 2013.	3.356
2012-13	M.V.Naveen	A Design And Development Of An Tntelligent Information System For Electric Discharge Machine  International Journal Ijert Issn:2278-1081	1.76
	T.S.S.R.Krishna	3d- Modelling And Dynamic Charcterization Of Steam Turbine Packet Blade And Cyclic Symmetric Analysis International Journal – Ijert Issn : 2278-1081	1.76
	N.Tulasi Radha	Object Oriented Approach To Continuous Neighbor Discovery In Asynchronous Sensor Network In International Journal Of Engineering Research And	1.09

		Development(Ijerd)Issn: 2278-067x, Vol.1, Issue 11, July-2012	
	N.Tulasi Radha	An Object Oriented Approach To Mining Web Graphs For Recommendations In International Journal Of Computer Science & Communication Networks, (IJCSN) Issn:2249-5789, Vol.2, Issue 3, July- 2012.	5.09
	P.Sandeep Kumar	Optimization Of Machining Parameters For Turning Of Alsic By Using Pso And Regression Analysis International Journal –Ijera Issn: 2248-9622	1.69
2011-2012	P.Sandeep Kumar	Optimization Of Cutting Patterns By Turning Titanium Material Using Ebn Tool International Journal –Ijmrae Issn:0975-7074	0.425
	N.Tulasi Radha	Concept Of Human Proficiency In Tune-Up-Leaning System International Journal Of Computer Science And Technology (Ijcst)Issn:2229-4333 (Print),Vol.3. Issue1. Jan-Mar, 2012	3.356
	N.Tulasi Radha	A Decision Tree Algorithm For Uncertain Data In International Journal Of Engineering And Advanced Technology (Ijeat) Issn: 2249 – 8958, Volume-1, Issue-4, April 2012	1.097

## Evaluative Report of the Department

1. Name of the department : **Electronics and Communication Engineering**
2. Year of Establishment : **2001**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Programme of Study	Specialization	Description
UG B. Tech.	Electronics & Communications	Started with <u>60</u> seats in <u>2001</u> Intake increased to <u>120</u> in <u>2005</u> Intake increased to <u>180</u> in <u>2013</u>
PG ECE M.Tech.	VLSI & Embedded Systems	18 intake started in 2009-10
	Digital Electronics & Communication Systems	18 intake started in 2012-13

4. Names of Interdisciplinary courses and the departments/units involved: **Nil**
5. Annual/ semester/choice based credit system (programme wise):  
**UG: Semester System with Credits**  
**PG : Semester System**
6. Participation of the department in the courses offered by other departments: Offers ECE Related subjects to Students of other Disciplines (CSE, EEE, ME & IT)
7. Courses in collaboration with other universities, industries, foreign institutions, etc.:  
**Nil**
8. Details of courses/programmes discontinued (if any) with reasons

PG M.Tech.	Embedded Systems	wound-up in 2012-2013
<b>Reasons:</b> This Specialization has special entrance test at the University apart from PG-ECET & In its place DECS Started.		

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	4	2
Associate Professors	8	7
Asst. Professors	23	22

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S. No.	Name of the staff	Qualification	Specialization	Designation	No. of Years of Experienc
1.	Dr. J. Srihari Rao	Ph.D	Microwave Engg	Professor	30
2.	Dr. E. Kusuma Kumari	Ph.D	Antenna's Design	Professor	12
3.	Mr. K.N.H. Srinivas	M. Tech.	Electronic Instrumentation	Associate Professor & HOD	14
4.	Mr.D.Rajesh Setty	M.Tech (Ph.D)	Image Processing	Assoc. Prof.	19
5.	Mr. M.Koteswara Rao	M. Tech.(Ph.D)	Signal Processing	Assoc. Prof.	14
6.	Mr. A.P.Ramesh	M.Tech (Ph.D)	VLSI Design	Assoc. Prof.	16
7.	Mr.M.Kishore Kumar	M.Tech	DECS	Assoc. Prof.	11
8.	Mr.Thota Sreenivas	M.Tech	Instrumentation	Assoc. Prof.	16
9.	Mr.G.S.Bhaskara Rao	M.Tech	Communication Systems	Assoc. Prof.	11
10.	Mr.N.V.Narayana Rao	M.Tech	Instrumentation	Sr. Asst. Prof.	12
11.	Ms. Y.Sujatha	M.Tech	VLSI Design	Sr. Asst. Prof.	11
12.	Mr. D.R.Sandeep	M.Tech	DECS	Asst. Prof.	8
13.	Mr.T.Sreenivasu	M.Tech (Ph.D)	Image Processing	Asst. Prof.	7
14.	Mr.M.Subba Rao	M.Tech (Ph.D)	Communication Systems	Asst. Prof.	9
15.	Mr. B.Mohan Kumar	M.Tech	Embedded Systems	Asst. Prof.	8
16.	Ms.K.N.V.S. Vijaya Lakshmi	M.Tech	DECS	Asst. Prof.	7
17.	Mr.P.Gopala Reddy	M.Tech	Embedded Systems	Asst. Prof.	6
18.	Mr.V.Rama Hareesh	M.Tech	DSSP	Asst. Prof.	4
19.	Mr. V.Naresh	M.Tech	Embedded Systems	Asst. Prof.	2
20.	Sri. M.Satish Kumar	M.Tech (Ph.D)	EMI/EMC	Asst. Prof.	8

21.	Ms. T.Navya	M.Tech	Electronic Instrumentat	Asst. Prof.	4
22.	Sri Ch.Chakravarthi	B.Tech	ECE	Asst. Prof.	5
23.	Sri P.V.V.Satyanaraya	B.Tech	VLSI & ES	Asst. Prof.	2
24.	Ms. Ch.Jyotsna Rani	M.Tech	Communica tion	Asst. Prof.	1
25.	Sri K.S.S. Kiran	M.Tech	VLSI Design	Asst. Prof.	5
26.	Sri N.V.N. Prasanna Kumar	M.Tech	VLSI Design	Asst. Prof.	5
27.	Ms K.N.V .Tulasi Kumari	M.Tech		Asst. Prof.	3
28.	Sri M. Rakesh	M.Tech	Communica tion	Asst. Prof.	1
29.	Sri P. Murali Krishana	M.Tech	Embedded Systems	Asst. Prof.	1 .5
30.	Sri G.V.Subrahmanya	M.Tech (Ph.D)	Microwave Engineering	Asst. Prof.	7.5
31.	Sri T.D.N.S.S. Sarveswararao	M.Tech		Asst. Prof.	11

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.

S.No.	Staff	sanctioned	Filled
1.	Technical	6	6
2.	Administrative staff	3	3

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

S. No.	Qualification	No. of Staff
1	Ph.D	2
2	M.Tech	27

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received



- Developed a tool for 3D-Face Recognition. 4 Faculty Members & 1 Student were involved in the project. Negotiation with Insights of Data Inc. Hyderabad is in process for technology transfer.
- Development of a tool for augmented reality is being taken up with a Hyderabad based company funding expected is Rs. 1 Lakh.

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

-- Nil --

18. Research Centre /facility recognized by the University

- A proposal to establish research/ skill development center in collaboration with RAAGA Associates HYD is in progress.

19. Publications:

- Publication per faculty & Number of papers published in peer reviewed journals (national/international) by faculty and students

S.No.	Name of Faculty	Number of Papers Published in Peer Reviewed Journals/ International Database
1.	Mr. KNH Srinivas	07
2.	Mr. A.P.Ramesh	14
3.	Mr. D.Rajesh Setty	03
4.	Mr. M.Koteswara Rao	03
5.	Mr.. M.Kishore Kumar	02
6.	Mr.. THOTA Sreenivas	02
7.	Mr.. D.R.Sandeep	03
8.	Mr.. G.S.Bhaskara Rao	01
9.	Mr.. P.Gopala Reddy	03
10.	Mr. N.V. Narayana Rao	02
11.	Mr.. M.Subbarao	01
12.	Mr.. T.Srenivasu	03
13.	Mr.. M.Satish Kumar	01
14.	Mr.. P.V.Krishna	01
15.	Mr.. A.V.Srinivas	01

- Books with ISBN/ISSN numbers with details of publishers

Suryaprakash Rao Mothiki Copyrights:

- Copyright of textbooks:

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S. No	ISBN	Title
1	9781259004513	Analog Electronic Circuits: (JNTU, Anantapur 2011)
2	9781259004476	Electronic Circuits; (JNTU, Hyderabad 2011)

- Citation Index & h-index

S.No.	Name of Faculty	Citation Index	h-index
1.	Mr. KNH Srinivas	3	1
2.	Mr. A.P.Ramesh	14	3

#### 20. Areas of consultancy and income generated

S. No.	Number of faculty involved in Project	Name of the funding organization	Income Generated
1.	4 Members	Krishna Foods and Aqua Minerals	Rs. 1,15,000.00/-
2.	5 Members	Vasavi Educational Development Association	Rs. 80,000.00/-
3.	4 Members	Vasavi Educational Development Association	Rs. 1,10,000.00/-

#### 21. Faculty as members in

##### a) National committees

S. No.	Name of the Faculty	Name of the National Committee
1.	Dr. J. Srihari Rao, Professor of ECE & Principal	National Board of Accreditation
2.	Dr. J. Srihari Rao, Professor of ECE & Principal	TEQIP – Mentor and Auditor
3.	Dr. J. Srihari Rao, Professor of ECE & Principal	NEQIP

b) International Committees c) Editorial Boards....

-- Nil –

## 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

### All the Final Year Students do their projects in-house

- 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

- The Academically Top 3 Students in each semester of all classes / Sections are given awards by the college.
- Extra Circular Activities & Paper Presentations

### Academic Year 2011-2012

Name of Activity	Name of the Institution	Name of the students Enrolled	Recognitions / Awards if any
MEDHAOUTAV 2012	AKRG College of Engineering	S.Jagadeswari S.Pragnasri	2 <sup>nd</sup> prize in paper presentaiton
VIBRANT – 2K12	West Godavari Institute of Science and Engineering	G.Anusha M.Alekhya Ch.Navya	3 <sup>rd</sup> Prize in paper presentaiton
VIBRANT – 2K12	West Godavari Institute of Science and Engineering	K.Sandeep D.Swaraj	2 <sup>nd</sup> Prize in volleyball
<b>2K12</b>	AkulaSriramulu Engineering College	K.Praveen Kumar	1 <sup>st</sup> Prize in basket ball

### Academic Year 2010-2011

S.No.	Name of the activity (paper presentations)	Name of institution	Name of students enrolled	Recognitions
1.	Wisetech-2kx	West Godavai Institute of Science &Egineering	V.M. Bhargavi	1 <sup>st</sup>
2.	Wisetech-2kx	West Godavai Institute of Science &Egineering	K.S.L. Madhuri	1 <sup>st</sup>
3.	Wisetech-2kx	West Godavai Institute of Science &Egineering	K. Madhuri	1 <sup>st</sup>
4.	Wisetech-2kx	West Godavai Institute of Science &Egineering	K. Gohith	1 <sup>st</sup>

## 24. List of eminent academicians and scientists / visitors to the department

S. No.	DATE	Details Of The Academicians And Scientists / Visitors
1.	07.10.2014	Dr. N. Chaitanya Krishna, Tokyo University
2.	6th and 7th September 2014	Dr. S. Raghavan, Professor NIT, Trichy
3.	6th and 7th September 2014	Dr. P.V.D. Somasekhar Rao, Professor of ECE, JNTUCEH,Hyd
4.	6th and 7th September 2014	Dr. Ashwini Kumar, Scientist-'G' DLRL, Hyd
5.	6th and 7th September 2014	Prof P.N. Rao, Aviation Training Expert
6.	19-07-2014	Dr. J V R Sagar, Scientist 'G', DLRL, Hyderabad
7.	27-06-2014	Mr. Sathish Alldaboina, Sr. Divisional Engineer, S.C. Railway, Guntur
8.	14-11-2013	Dr. M. Venugopala Rao, Professor, K. L. University, Vijayawada
9.	22nd to 27th APRIL 2013	Dr. N.V.S. NO. Sharma, Professor of ECE, NIT Warangal.
10.	22nd to 27th APRIL 2013	Dr. K.V.S.R. Prasad, former Professor of ECE, O.U. Hyderabad.
11.	22nd to 27th APRIL 2013	Dr. M. Chakravarthi, Scientist R&D Lab.
12.	22nd to 27th APRIL 2013	Dr. P.V.D.S. Rao, Professor of ECE JNTUH, Hyderabad.
13.	27-09-2012	Dr. M. Kamaraju, Professor, Gudlavalleru Engineering College, Gudlavalleru
14.	15-09-2012	Prof. M.V. Raghunadh, Professor, NIT Warangal
15.	15-03-2012	Dr. Venugopala Rao, HOD, ECE Narsaraopet Engineering College, Narsaraopet.
16.	12-03-2012	Mr. Dileep, Director, Dilven Info Solutions Pvt Ltd, Hyderabad

17.	15-09-2011	Sri. G. Anantharam, General Manager , BSNL, W.G.Dist.
18.	19-02-2011	Dr. N.S. Murthy, Professor, NIT Warangal
19.	24-02-2011	Prof. N.V. SeshagiriRao, HOD, Sri Potti Sriramulu College of Engineering, Vijayawada

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding a) National

S. No.	Seminars/ Conferences/Workshops	source of funding
1.	“Recent Advances in Microwaves & Antennas” 6th and 7th September 2014	DST, New Delhi
2.	“Trends in Antenna Design & Applications” 22nd to 27th APRIL 2013	ISTE, New Delhi
3.	“Antennas and Wave propagation” 30 <sup>th</sup> June -2 <sup>nd</sup> July 2012	SVEC, Tadepalligudem
4.	“MATLAB TOOLS” 12 <sup>th</sup> -14 <sup>th</sup> April, 2012	SVEC, Tadepalligudem
5.	“RF & Microwave Engineering ” 7-11 December , 2011	SVEC, Tadepalligudem
6.	LABTEK SPICE SOFTWARE 14th August, 2010	SVEC, Tadepalligudem
7.	EMBEDDED SYSTEMS LAB – HAWK BOARDS 10th & 11th July, 2010	SVEC, Tadepalligudem

c) International: Nil

## 26. Student profile programme/course wise:

\*M = Male \*F = Female

**Not Applicable**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
-	-	-	-	-	-

## 27. Diversity of Students

Name of the Course	% of students from the same state
B.Tech ECE	100
M. Tech.ECE	100

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

**GATE – 2014**

Roll No.	Name of the Student	GATE Score
10A81A0411	Ganta Narayana Eswara Ravi Teja	375
10A81A0464	Bolla Lakshmi Aparna	555
10A81A04A1	Palivela Sai Manoj	390
10A81A0439	Murapaka Dhanalakshmi Bhavani	503
10A81A0406	Navya	329
10A81A0480	Hemanth	655
10A81A0471	Ch. Rambabu	329
10A81A0423	Jhansi	369
10A81A0403	Ravi Teja	301
10A81A0426	Jagadeesh	382
10A81A0452	Sai Sowmya	356
10A81A0478	Uma Maheswara Rao	325

**GATE – 2013**

Roll No.	Name of the Student	GATE Score
09A81A0403	BHOGAVILLI SRAVYA	470
09A81A04B7	VUYYURI NAGA TEJASWI	287
09A81A0458	VELAGA SRIKRISHNA CHAITANYA	294

09A81A0424	KARRI LAVANYA	426
09A81A0445	RAVI HELEN JAYA SRI	274
09A81A04A0	PAGADALA YASWANTH TARUN	392
09A81A0414	GARAPATI VENKATA SATYANARAYANA	368
09A81A0452	TULA KOMAL KUMAR SWAMY	351
10A85A0413	MONDI SRI VENKATA SATYANARAYANA	321
09A81A0463	ALLURI NAGA VENKATA KISHORE	389
09A81A0430	MAMILLA CHANDRA SEKHAR	527
09A81A0435	MUTTA SAI RAM ANIL GUPTA	294
09A81A0474	GURUJU NAGA SAILAKSHMI	341
09A81A04C0	KEDHARISETTI VASANTHI NAGA LAKSHMI	314
09A81A0448	SANAPATHI NARENDRA DURGA PRASAD	311

**CAT**

Roll No.	Name of the Student	CAT Score
09A81A0458	VELAGA SRIKRISHNA CHAITANYA	92.76

**GRE/TOFEL**

ROLL NO.	Name of the Student	GRE/TOFEL SCORE
09A81A04B6	VUDDAGIRI HARSHA VARDHAN	83
09A81A0405	C SWAPNIK	80
08A81A04C1	T.SRIKANTH	298/85
08A81A0420	K.GIRISH	1070

## 29. Student progression

Student	% Against enrolled			
	5			
UG to PG				
Employed	2014-15 till date	2013-14	2012-13	2011-12
• Campus selection	39 (25/64)	25.3 (21/83)	24.7 (22/89)	57.3 (43/75)
• Other than campus recruitment	-	16.8 (14/83)	12.3 (11/89)	22.6 (17/75)
Entrepreneurship/ Self-employment	-	3/120=2.5%	3/120=2.5%	5/120=4.1%

## 30. Details of Infrastructural facilities

## a) Library

No. of Volumes – 462

No. of Titles – 316

## b) Internet facilities for Staff &amp; Students

20 MBPS – BSNL Broad band ; 12 MBPS – RAILTEL leased line(1:1)

## c) Class rooms with ICT facility

One Class room

## d) Laboratories

S.No	Name of the lab	Area	Investment
1.	Electronic Devices and Circuits Lab	77sq.m/36	10,90,964.00
2.	R&D Lab	77sq.m/36	15,63,949.00
3.	Communications Lab	77sq.m/36	5,87,935.00
4.	IC Applications Lab	77sq.m/36	5,80,246.00
5.	Electronic Computer Aided Design Lab	70sq.m/36	13,96,510.00
6.	Microprocessors and Microcontrollers Lab	70sq.m/36	11,61,732.00
7.	Microwave and Optical Communications Lab	77sq.m/36	6,51,509.78
8.	Digital Signal Processing Lab	70sq.m/36	10,18,353.00

## 31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year -2011-12

Academic Year	Financial assistance	
	B.Tech	
2013-14	363	State government
	8	College management
2012-13	292	State government
2011-12	273	State government



## 32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S. No	Date	Name of the program	Details of the resource person
1.	19-07-2014	Aero Space Vehicles	Dr. J V R Sagar, Scientist 'G', DLRL, Hyderabad
2.	27-06-2014	Career Planning for Engineers	Mr. Sathish Alldaboina, Sr. Divisional Engineer, S.C. Railway, Guntur
3.	14-11-2013	Wavelets and Multi Signal Processing	Dr. M. Venugopala Rao, Professor, K. L. University, Vijayawada
4.	27-09-2012	Low Power VLSI Design and Trends	Dr. M. Kamaraju, Professor, Gudlavalleru Engineering College, Gudlavalleru
5.	15-09-2012	Communication Systems	Prof. M.V. Raghunadh, Professor, NIT Warangal
6.	15-03-2012	Multi Signal Processing And Wavelets	Dr. Venugopala Rao, HOD, ECE Narsaraopet Engineering College, Narsaraopet.
7.	12-03-2012	Demand for Mobile Applications in Software Industry & Job Prospects	Mr. Dileep, Director, Dilven Info Solutions Pvt Ltd, Hyderabad
8.	15-09-2011	Modern Trends in Communications	Sri. G. Anantharam, General Manager, BSNL, W.G.Dist.
9.	19-02-2011	VLSI Design and Embedded System	Dr. N.S. Murthy, Professor, NIT Warangal
10.	24-02-2011	Digital Signal Processing	Prof. N.V. SeshagiriRao, HOD, Sri Potti Sriramulu College of Engineering, Vijayawada

## 33. Teaching methods adopted to improve student learning

- Video lectures like NPTEL, Co-EeRD, QEEE
- LCD, OHP, Tutorial Classes, PPTS
- ICT enabled class room, Student Seminars, Workshops & Guest lectures

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Blood donation camps & helping the orphans and old age homes.
- Contribution to State capital formation fund.
- Students of ECE under AEKYA foundation visited surrounding villages to enquire and create awareness about "Grama Sabhas" and about various government schemes available to them.

### 35. SWOC analysis of the department and Future plans

#### Strengths:

- a. Laboratories are well equipped and good assistance is provided by the technical staff in the conduct of experiments.
- b. Academic excellence of students is duly rewarded by means of cash-incentives.
- c. Coaching for GATE and other competitive exams is provided.
- d. Faculties are well experienced and duly qualified.
- e. Technical events are annually conducted and students are encouraged to participate in them.

#### Weaknesses:

- a. Lack of industries in vicinity.
- b. Less scope for consultancy due to rural background.
- c. poor language competency at the entry level of the students due to rural background.

#### Opportunities:

- a. As the programme is accredited by NBA the department is eligible to get AICTE and DST funding
- b. Approval of 2(f) and 12(B) of UGC acts have provided the eligibility for development grants

#### Challenges:

- a. To Achieve 100 percent placement.
- b. To Acquire more funding for research

#### **Future Plans**

- To Develop, Setup & Upgrade laboratories as per the revised syllabus & industry trends.
- To Organize State/National level paper presentation & project competition.
- To Organize various short term courses, workshops, seminars from experts
- Faculty Development.
- To start various activities under Research & Development Cell.
- To improve placement ratio with the help of Alumni.
- Enhance Industry Institution Interaction.

## Evaluative Report of the Department

1. Name of the Department : **Computer Science and Engineering**
2. Year of Establishment : 2001
3. Names of Programmes/ Courses offered:
  - UG- B.Tech(Computer Science and Engineering)
  - PG-M.Tech(Computer Science and Engineering)
4. Names of Interdisciplinary Courses and the departments / units involved
  - No interdisciplinary programs offered
5. Annual / Semester / Choice based credit system ( Programme Wise)
  - B.Tech –Semester System with Credits
  - M.Tech- Semester System
6. Participation of the department in the courses offered by other departments
  - Offers CSE related subjects to students of other programs (ECE, EEE ,Mechanical, Civil)
7. Courses in collaboration with other universities, industries, foreign institutions, etc.-Nil
8. Details of courses / programmes discontinued ( if any ) reasons-Nil
9. Number of Teaching posts

Designation	Sanctioned	Filled
Professors	3	02
Associate Professors	9	04
Assistant Professors	19	24

10. Faculty Profile with name , qualification , designation , specialization , ( D.s.c/D. Litt./Ph.D/ M. Phil etc .,)

S.No.	Name	Qualification	Designation	Speciali zation	No. of years of Experience
1.	Dr. Y.S.S.R. Murthy	M.Tech, Ph.D	Professor	CSE	22
2.	Dr. Rakesh Nayak	M.Tech, Ph.D.	Professor	CSE	15
3.	Ms. G Loshma	M.Tech(Ph.D)	Associate Professor & HOD	CSE	13
4.	Mr. V. Venkateswara Rao	M.Tech(Ph.D)	Assoc. Prof.	CSE	17

5.	Mr. M. R. Raja Ramesh	M.Tech(Ph.D)	Assoc. Prof.	CSE	13
6.	Mr. Ch. Raja Ramesh	M.Tech(Ph.D)	Assoc. Prof.	CSE	13
7.	Ms. K. Shirin Bhanu	M.Tech(Ph.D)	Sr. Asst. Prof.	CSE	11
8.	Ms. D. Anjana Suputri Devi	M.Tech	Asst. Prof.	CSE	11
9.	Ms. A. Sirisha	M.Tech	Asst. Prof.	CSE	09
10.	Mr. G. Nataraj	M.Tech	Asst. Prof.	CSE	07
11.	Ms. A. Lakshmi Lavanya	M.Tech	Asst. Prof.	CSE	10
12.	Mr. A. Venkanna Babu	M.Tech	Asst. Prof.	CSE	08
13.	Ms. D. Sasi Rekha	M.Tech.	Asst. Prof.	CSE	08
14.	Ms. B. Sri Ramya	M.Tech	Asst. Prof.	CSE	07
15.	Mr. M. Ravikanth	M.Tech.	Asst. Prof.	CSE	05
16.	Mr. K.V. Mutyalu	M.Tech	Asst. Prof.	CSE	09
17.	Mr. Y.M.R.Chaitanya	M.Tech.	Asst. Prof.	CSE	06
18.	Mr. G. Sriram Ganesh	M.Tech	Asst. Prof.	CSE	04
19.	Mr. D .V. Ravi Kumar	M. Tech	Asst. Prof.	CSE	08
20.	Mr. M. Pramod Kumar	M.Tech(Ph.D)	Asst. Prof.	CSE	09
21.	Mr. K. Phani Babu	M.Tech	Asst. Prof.	CSE	04
22.	Ms. N. Hiranmayee	M.Tech	Asst. Prof.	CSE	04
23.	Mr. O. Sri Nagesh	M.Tech(Ph.D)	Asst. Prof.	CSE	11
24.	Mr. K.V.V.Ramana	M.Tech	Asst. Prof.	CSE	09
25.	Ms. M. Rama Rajeswari	M.Tech	Asst. Prof.	CSE	04
26.	Ms. N. Prameela	M.Tech	Asst. Prof.	CSE	10
27.	Mr. J. Vijithanand	M.Tech	Asst. Prof.	CSE	07
28.	Mr. B.Ashok	M.Tech	Asst. Prof.	CSE	03
29.	Mr.K.V.Raviteja	M.Tech	Asst. Prof.	CSE	01
30.	Ms.T.Sai Divya Manasa	M.Tech	Asst. Prof.	CSE	-

Dr. YSSR Murthy is guiding 4 Ph.D. Students

## 11. List of Senior Visiting Faculty:

S. No	Name of the Faculty	Faculty Details
1	Mr. G. Pardha Saradhi Varma	Professor & Director, PG. Courses, Head, Department of IT , S.R.K.R. Engineering College, Bhimavaram , AP

## 12. Percentage of lectures delivered and practical classes handled ( Programme wise) by temporary faculty- Nil

## 13. Student – Teacher Ratio ( Programme Wise )

Intake	Student – Teacher Ratio
B.Tech CSE =180	15:1
M. Tech.CSE = 18	12:1

## 14. Number of academic support staff ( Technical) and Administrative Staff ; Sanctioned and Filled

	Sanctioned	Filled
Programmer	04	04
System Administrator	01	01
Hardware Technician	02	02
Lab Assistant	02	02
Data Entry Operator	01	01
Attender	02	02

## 15. Qualifications of teaching faculty with Dsc/ D.Litt/ Ph.D/M. Phil /PG

Qualification	No. of Teaching Faculty
Ph. D	02
PG -M. Tech	28

## 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received-

- a) National- Nil
- b) International-03

S.No.	Name of the Faculty	Funding Organization	Project Name	Grants Received
1	Dr Y S S R Murthy	Srinivasa Irrinki, CEO & Founder ItsHealthyWay Inc.,US	Health Portal ItsHealthyWay.com	Initial Grant of Rs.20,000/-
2	Mr V Venkateswara Rao			
3	Mr Y M R Chaitanya			

17. Departmental projects funded by DST – FIST ; UGC , DBT , ICSSR , etc. and total grants received- Nil

18. Research Centre / facility recognized by the University-

- The College facilities are being used by the faculty to pursue the Ph.D Programs with the Universities.

19. Publications

b) Publication per faculty

S.No.	Name of Faculty	Number of Papers Published in Peer Reviewed Journals/ International Database	Citation Index/ h-index
1.	Dr . Y S S R Murthy	11	Citations:09 h-index:02
2.	Ms. G Loshma	09	Citations:04 h-index:01
3.	Mr. V Venkateswara Rao	19	Citations:12 h-index:03
4.	Mr. M R Raja Ramesh	09	-
5.	Dr. Rakesh Nayak	14	Citations : 18 h-index : 02
6.	Mr.Ch Raja Ramesh	02	Citations:03 h-index:01
7.	Ms. K Shirin Bhanu	09	Citations:02 h-index:01
8.	Ms. B Sri Ramya	01	-
9.	Mr. K V Mutyalu	06	Citations:02 h-index:01
10.	Mr. G Sriram Ganesh	03	-
11.	Mr. D V Ravi Kumar	03	-

12.	Ms. A Sirisha	01	-
13.	Mr. O Sri Nagesh	01	-

**Academic Year 2014-15**

<b>Name of the Faculty</b>	<b>Publication Title</b>	<b>Publication Details</b>	<b>Impact Factor</b>
Dr Y S S R Murthy	Building an Object Cloud Storage Service System using OpenStack Swift	International Journal of Computer Applications (0975 – 8887) Volume 102 – No.10, September 2014 DOI:10.5120/17854-8827	0.821
Ms.G Loshma	Achieving User Privacy And Anonymity In Wireless Mesh Networks Using Anonymous Protocol	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 3 Issue 10, October 2014	2.793
Mr.V Venkateswara Rao	Server Virtualization and Network Virtualization in Cloud environment	International Journal of Cloud Computing and Services Science (IJ-CLOSER) Vol.3, No.4, August 2014, pp. 206~220 ISSN: 2089-3337 PP:206-220 Peer Reviewed, Scopus Indexing, <u>ELSEVIER</u> , <u>Google Scholar</u> , <u>IET</u> , <u>INSPEC Index</u> , <u>Copernicus BASE (Bielefeld Academic Search Engine)</u> , <u>DOAJ</u> , <u>EBSCO</u> , <u>CORE</u> , <u>Cite Seerx</u> , <u>Scientific Cabell's Directory</u> , <u>Open J-Gate</u> , <u>Scribd</u> , <u>Socolar Open Access</u> ,	IMPACT FACTOR 4.438 SJR 0.677 SNIP 2.098 CITATION INDEX(i10 Index) 4

		Data Base: Literature Digital Library, <u>World Wide Science</u> , <u>Global science gateway</u> , WorldCat. 3-Directory Open Access DOAJ ISSN: 2089-3337	
Mr.V Venkateswara Rao	Discovery of Sequence and Subsequence Pattern in Sequence Datasets by Using Scalable Parallelizable Induction of Decision Tree Algorithm.	International Journal of Computer Science And Technology IJCST Vol. 5, Issue 4, Oct - Dec 2014 ISSN : 0976-8491 (Online)   ISSN : 2229-4333 (Print) Peer Reviewed DOAJ( Directory of Open Access) Cite Seerx Google Scholar Journal Seek Academic Search Copernicus Index Open Access	IMPACT FACTOR 1.71 Based on IJCST CRM and Google Scholar Global Impact Factor: 0.478 ISI Impact Factor:0.658 Inno Science SJIF:3.361 Copernicus Index:5.09 Science Central Index: 33.09 SJR :1.358 SNIP:2.435 CITATIONINDEX (i10 Index):1
Dr Rakesh Nayak	Predictive Collective Behavior in Social Media Network Using Edge Centric Clustering	International Journal of Research in Computer and Communication Technology (IJRCCT) Vol 3, Issue 10 1225-1230 Oct - 2014	ISRA Impact Factor 1.925
Dr Rakesh Nayak	An Obfuscation threshold as part of the Access policy in processing systems	International Journal of Research in Computer and Communication Technology (IJRCCT) Vol 3, Issue 11 1653- 1660 Nov – 2014	ISRA Impact Factor 1.925



Dr Rakesh Nayak	Decentralized Probabilistic Text Clustering by using Distributed Hierarchical peer to peer Clustering	International Journal of Research in Computer and Communication Technology (IJRCCT) Vol 3, Issue 11 1661- 1665 Nov - 2014	ISRA Impact Factor 1.925
Ms.K Shirin Bhanu	A Clustering-Based Feature Subset Selection for High Dimensional Data using Advanced Chameleon Algorithm	IJDCST @Sep, Issue- V-2, I-6, SW-26 ISSN-2320-7884 (Online) ISSN-2321-0257 (Print)	-
Ms.K Shirin Bhanu	Classification of Uncertain Data using Uncertain Decision Tree-Cumulative Distribution Function	International Journal of Computer Science and Technology Vol 5.4-1 Oct to Dec, 2014	0.478 (Global Impact Factor)

**Academic Year 2013-14**

Name of the Faculty	Publication Title	Publication Details	Impact Factor
Ms.G Loshma	Parallel Multithreaded Apriori Algorithm For Vertical Association Rule Mining	International Journal of Advanced Research in Computer and Communication Engineering Vol. 2, Issue 12, December 2013 ISSN (Print) : 2319-5940 ISSN (Online) : 2278-1021	1.770
Ms.G Loshma	Innovative Techniques for Fast Computation of Constrained Shortest Paths	International Journal of Advanced Engineering Sciences and Technologies Vol.No.8, Issue No.2, 232-237, ISSN: 2230-7818	2.089

Mr.V Venkateswara Rao	Cropping accurate Image Database from web using Machine Learning Cluster Method	International Refereed Journal of Engineering and Science (IRJES) Volume 3, Issue 2 , , January 2014, pp 62 – 64 ISSN (Print):2319 -183X ISSN (Online): 2319-1821 Peer Reviewed Open JGate Google Scholar Copernicus Index	Impact Factor 2.212 CITATION INDEX(i10 Index) 2
Mr.V Venkateswara Rao	VFDT Algorithm for Decision Tree Generation.	IJDST. November, 2014, Issue V-1, 1-7, SW-94 ISSN (Print):2320-7884 ISSN (Online): 2321-0257	1.579 Global Impact Factor
Mr.M R Raja Ramesh	Energy Efficient Position Based Opportunistic Routing Protocol for MANETS	International Journal of Emerging Trends and Technology in Computer Science Volume 2, Issue 3, May – June 2013 ISSN 2278-6856	3.115
Mr.M R Raja Ramesh	Optimized Metamorphic Relations for an automated SDLC	International journal for development of computer science & technology Volume-1 Issue-IV (June-July) 2013 ISSN-2320-7884	2.892
Dr Rakesh Nayak	Secure Mobile System Using NTRU Encrypt	International Journal of Computer Trends and Technology(IJCTT) Vol 4 Issue2 172-176 2013	2.571
Dr Rakesh Nayak	Spectral Flatness Measurements for Detection of C-Worms	International Journal of Computer Trends and Technology(IJCTT) Vol 4 Issue2-189-193 2013	2.571

Dr Rakesh Nayak	Performance and analysis of NTRU and Advanced NTRU cryptosystems	International Journal of Research in Computer and Communication Technology(IJRCCT) Vol 2 Issue 8 627-632 Aug 2013	ISRA Impact Factor 1.925
Dr Rakesh Nayak	Avalanche Effect and Statistical Analysis of NTRU & RSA Cryptosystem	International Journal of Advanced Research in Computer Science and Software Engineering (IJARCS&SE) Vol 3, Issue 8, 416-422 Aug 2013	2.080
Dr Rakesh Nayak	Integrated Data Mining Approach for Security Alert System	International Journal of Research in Computer and Communication Technology (IJRCCT) Vol 3 Issue 4 464-468 Apr 2014	ISRA Impact Factor 1.925
Ms.K Shirin Bhanu	Content based Image Retrieval using indexing by K-Means clustering	IJARCCCE June 2013	1.177
Ms.K Shirin Bhanu	Virtual Force Geometric Routing Protocol In Non Planar Graphs	International Journal of Engineering Science Invention ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 www.ijesi.org Volume 2 Issue 9    September. 2013    PP.17-19	1.786
Mr.K V Mutyalu	Statistical Analysis of secret message hiding in Steganography using Asymmetric Crypto Systems	International Journal of Advanced Research in Computer Science IJARCS Vol 4, No 8	Index Copernicus

		May, June 2013	
Mr.K V Mutyalu	Packet classification preventions methods to thwart jamming attacks	International Journal of Computer Trends and Technology IJCTT Vol 4, Issue 6 June-2013	Google scholar, Cross ref, NASA ads.
Mr.O Sri Nagesh	A Privacy Preserving of Composite Private/ Public Key in Cloud Servers	International Journal of Computer Trends and Technology (IJCTT) – volume 9 number 4– Mar 2014.	Impact factor: 2.517 Copernicus Value-4.15, Directory of Sciences Score 21.95

**Academic Year 2012-13**

Name of the Faculty	Publication Title	Publication Details	Impact Factor
Ms.G Loshma	Outlier Detection And Visualization Of Large Datasets	ISBN:978-93-80747-67-2. ACM Digital Library, ISBN: 978-1-4503-0449-8 DOI>10.1145/1980022.1980134	3.375
Ms.G Loshma	Efficient Clustering Algorithms in Text Mining	IJCST Vol-3,Issue-2,June 2012	Global Impact Factor:0.478
Ms.G Loshma	Classification and Prediction In Customer Relationship Management Using Back Propagation	International Journal of Computer Science and Informatics ISSN (PRINT): 2231 –5292, Volume-2, Issue-3, 2012	0.3418
Ms.G Loshma	A Novel Data Mining Based Approach for Remote Intrusion Detection	International Journal of Computer Trends and Technology- volume3 Issue3- 2012, ISSN: 2231-2803.	DOAJ
Mr.V Venkateswara Rao	Improved Classification Based Association Rule Mining	International Journal of Advanced Research in Computer and Communication Engineering Vol.2 Issue 5, May 2013. ISSN ( Print):2319-5940 ISSN (Online): 2278-1021	2.080 SNIP 0.3
Mr.V Venkateswara Rao	Semantic Web Based XML Context Driven	International Journal of Computational Engineering Research (IJCER).	1.757

	Search and Retrieval System.	Vol.2 Issue. 6. ISSN: 2250 -3005.	
Mr.V Venkateswara Rao	Improved Maximal Length Frequent Item Set Mining	International Journal of Engineering and Innovative Technology (IJEIT) Volume 2, Issue 2, August 2012. a. ISSN:2277-3754 b. ISO 9001:2008 Certified.	1.913
M R Raja Ramesh	Effort Estimation Of Software Project	International Journal of Advanced Research in Computer Engineering & Technology Volume 1, Issue 10, December 2012 ISSN: 2278 – 1323	2.793
Mr.M R Raja Ramesh	Improving the performance of a single model test prioritization strategy for Event Driven Software	International Journal of Advanced Research in Computer Engineering and Technology Volume 1 Issue 6 August 2012 ISSN-2278-1323	2.793
Mr.M R Raja Ramesh	Accurate Spam Mail Detection Using Bayesian Algorithm	International Journal of Advanced Research in Computer Engineering and Technology Volume-1 Issue -4,June 2012 ISSN-2278-1323	2.793
Dr Rakesh Nayak	Analysis and Performance Characteristics of Cryptosystem using Image Files	International Journal of Computer Applications(IJCA) Vol 51, Issue.22, 7-11 Aug. 2012	0.821
Dr Rakesh Nayak	Dual Encryption Schema With Cheating Text and NTRU	International Journal of Computer Trends and Technology(IJCTT) Vol 4 Issue 2 169-171 2013	2.571
Dr Rakesh Nayak	An NTRU Scheme for Secure Transaction in Grid Implementation	International Journal of Emerging Technology and Advanced Engineering(IJETAE) Vol 3, Issue 2,648-652, Feb 2013	ISRA Impact Factor 2.324
Mr.Ch Raja Ramesh	Fuzzy clustering with Gaussian type Membership function	IEEE Explore 978-1-4799-0316-0 10.1109/ISSP.2013.65269411-2 March 2013	0.04117
Mr.Ch Raja Ramesh	Interactive Post Mining Association Rules using Cost Complexity	International Journal of Computer Applications (0975 – 8887) Volume 68– No.20, April 2013	0.821

	Pruning and Ontologies KDD		
Ms.K Shirin Bhanu	Geo-Location Based Information Retrieval System for Mobile Devices in Multiple Modes	IJCST Vol 3 issue 2, ver 1, april to june, 2012. Issn:0976 – 8491 (online), 2229 – 4333 (print)	0.478(Global Impact Factor)
Ms.K Shirin Bhanu	A Stateful Database Synchronization Approach for Mobile Devices	International Journal of Soft Computing and Engineering (IJSCE) July 2012	Impact factor-1.177
Ms.K Shirin Bhanu	Wireless Web Content Management Using J2ME	International Journal of Computer Trends and Technology- volume3Issue4- 2012	2.057
Ms.K Shirin Bhanu	An Automated Mobile Applications Generator for Remote Database Access	International Journal of Advanced Research in Computer Engineering & Technology ISSN: 2278 – 1323,Volume 1, Issue 4, June 2012	5.53(ICV)
Mr.K V Mutyalu	A Relevant Document Information Clustering Algorithm for web search engine	International Journal of advanced Research in Computer Engineering & Technology 2278-1323,16-20,2012	Slide Share, open Access, Scribd
Mr.K V Mutyalu	Advance Path reservation and Scheduling for Bulk Transfers in Research Networks	International Journal of Science, Engineering and Technology Research, Oct 2012,2278-7798 51-55,2012	Google Scholar, Scribd, Slide share, Open Access
Mr.K V Mutyalu	Remote Based Intelligent Video Surveillance System	International Journal of Computer Trends and Technology,2231-2803,527-530 2012	Google scholar, Cross ref, NASA ads.
Mr.K V Mutyalu	Development of Data Leakage Detection Using Allocation Strategies	International Journal of Computer Trends and Technology,2231-2803,548-554 2012	Google scholar, Cross ref, NASA ads.
Mr.D V Ravi Kumar	Effort Estimation of Software Project	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) (ISSN: 2278-1323),	2.793

		Volume 1 Issue 10, Dec 2012 pp 33-41.	
Mr.M Pramod Kumar	Cloud Computing: A CRM Service Based on a Separate Encryption and Decryption using Blowfish algorithm	International Journal of Computer Trends and Technology ISSN:2231-2803 Vol 3, Issue 4 , July-August 2012	-

**Academic Year 2011-12**

Name of the Faculty	Publication Title	Publication Details	Impact Factor
Mr. V Venkateswara Rao	Elimination of Noise using Fuzzy Clustering techniques.	IEEE 4th International Conference on Electronics Computer Technology (ICECT 2012), held on April 6-8, 2012, Kanyakumari, India. ISBN: 978-1-4673-1849-5. IEEE Explore Digital Library Data Base DOI: 978-1-4673-1850-1/12 © 2012 IEEE.	Impact Factor 6.810 SJR 0.953 SNIP 1.161
Mr. V Venkateswara Rao	Association Rule Mining Using FP-Tree As Directed Acyclic Graph.	IEEE International Conference on Advances in Engineering, Science Management-ICAESM-2012), held on March 30-31, 2012 Nagapattinam, India. ISBN: 978-81-909042-2-3 © 2012 IEEE. IEEE Explore Digital Library Data Base	Impact Factor 6.810 SJR 0.953 SNIP 1.161
Mr. V Venkateswara Rao	Association Rule Mining using BTree Index.	IEEE International Conference on Recent Trends in Information technology (ICRTIT 2011), held on June 3-5, 2011, MIT, Chennai, India. Print ISBN: 978-1-4577-0588-5, IEEE Explore Digital Library Data Base Digital Object Identifier : <a href="https://doi.org/10.1109/ICRTIT.2011.5972386">10.1109/ICRTIT.2011.5972386</a> INSPEC Accession Number: 2168920	Impact Factor 6.810 SJR 0.953 SNIP 1.161
Mr. V Venkateswara Rao	Graphical Visualization of Risk Assessment	International Journal of Communication and Computer Engineering (IJECCE)	Impact Factor 3.121

	for Effective Risk Management During Software Development Process.	Volume3, Issue (3), 2011 July ISSN (Online) 2249 -071X, ISSN (Print): 2278 –4209.	SJR 0.583 SNIP 1.68
Mr.V Venkateswara Rao.	Effective Association Rule Mining using Fuzzy Apriori and Weighted Fuzzy Apriori. Volume3, Issue (3) - 2011 July a.ISSN (Online) 2249-071X, ISSN (Print): 2278 – 4209.	International Journal of Communication and Computer Engineering (IJECCCE) Volume3, Issue (3) - 2011 July a.ISSN (Online) 2249-071X, ISSN (Print): 2278 –4209.	Impact Factor 3.121 SJR 0.583 SNIP 1.68
Mr.V Venkateswara Rao	Analysis of Customer Purchasing Transactions using Text classification and Association rule mining.	International Joint Conference on Emerging Intelligent Sustainable Technologies (EISTCON-2012), held on May 3-4, 2012, Bangalore India. ISBN: 978-93-81693-76-6	-
Mr.V Venkateswara Rao	Performance And Trends Analysis Of Faculty Using Data Summarization, Association Rule Mining, Classification, Clustering Techniques.	ICRTCSE 2012-International Conference On Recent Trends In Computer Science And Engg, held on May 3-4, 2012 Kanchipuram, India. ISBN 978-81-9089-807-2 © Published by Kanthimathi Publications.	-
Mr.V Venkateswara Rao	Secured M-Commerce In Android Environment-Future Generation Mobile Application	International Conference on Engineering and Technology icet 2k12, held on April 18-20, 2012 Chennai, India. ISBN: 978-1-4675-1449-1 © Published by Bonfring Digital Library	-
Mr.M R Raja Ramesh	A Mobile IPv6-Based Architecture for Mobility of Mobile Terminals in Heterogeneous Networks	International Journal of Computer Science and Information Technologies Vol. 2 (6) , 2011 ISSN-0975-9646	2.93
Mr.M R Raja	Reputation system	International Journal of	2.75



Ramesh	for trustworthiness of software development process	Computers Electrical and Advanced Communications Engineering Vol.1-(1) January 2012,ISSN-2250-3129	
Mr.M R Raja Ramesh	Retrieval of Code information using Annotation	International Journal of Computers Electrical and Advanced Communications Engineering Vol.1-(1) January 2012, ISSN-2250-3129	2.75
Mr.M R Raja Ramesh	Accuracy Evaluation in various Design Patterns	International Journal of Computers Electrical and Advanced Communications Engineering Vol.1-(1) January 2012, ISSN-2250-3129	2.75
Mr.Dr Rakesh Nayak	Dependent Private Key Generation in NTRU Cryptosystems	International Journal of Computer Applications(IJCA) Special Issue on “Network Security and Cryptography” 18-21 NSC, 2011	0.821
Ms.K Shirin Bhanu	A Cluster Based Cooperative Caching Mechanism in MANET	International Journal of Computer Science And Technology ISSN : 0976-8491 (Online)   ISSN : 2229-4333 (Print) IJCST Vol. 3, Issue 2, April - June 2012	0.478 (Global Impact Factor)
Ms.A Sirisha	A Hash based Mining Algorithm for Maximal Frequent Item Sets using Double Hashing	Journal of Advances in Computational Research: An International Journal Vol. 1 No. 1-2 (January-December, 2012)	2.25
Ms.B Sri Ramya	A Stateful Database Synchronization Approach for Mobile Devices	International Journal of Soft Computing and Engineering (IJSCE) July 2012	Impact factor-1.177
Mr.D V Ravi Kumar	Motion Object Detector with Higher Detection Levels	International Journal of Computer Trends and Technology, Volume 3 issue 1-2012.	1.77
Mr.D V Ravi Kumar	Automatic Image Registration through Histogram based Image Segmentation	IJERA (International Journal of Engineering Research and Application), Issue no.3 volume 2, May-June 2012.	1.69

Mr.G Sriram Ganesh	Graphical Visualization of Risk Assessment for Effective Risk Management During Software Development Process	International Journal of Communication and Computer Engineering (IJECCE) Volume3, Issue (3), 2011 July ISSN (Online) 2249 -071X, ISSN (Print): 2278 –4209	Impact Factor: 3.121 SJR:0.583 SNIP:1.68
Mr.G Sriram Ganesh	Effective Association Rule Mining using Fuzzy Apriori and Weighted Fuzzy Apriori. Volume3, Issue (3) - 2011 July	International Journal of Communication and Computer Engineering (IJECCE) ISSN (Online) 2249-071X, ISSN (Print): 2278 –4209	Impact Factor 3.121 SJR 0.583 SNIP 1.68

**Academic Year 2010-11**

<b>Name of the Faculty</b>	<b>Publication Title</b>	<b>Publication Details</b>	<b>Impact Factor</b>
Ms.G Loshma	Detection of Discordant Observations and Visualization of Data	International Journal of Computer Applications, Number 9 - Article 3, 2011, ISBN: 978-93-80747-72-8, 2011	0.821
Ms.G Loshma	HPC-MAQ: A Parallel Short-Read Reference Assembler	D.C. Wyld, et al. (Eds): CCSEA 2011, CS & IT 02, pp. 75–84, 2011. © CS & IT-CSCP 2011 DOI: 10.5121/csit.2011.1209	-
Mr.V Venkateswara Rao	Efficient Clustering Techniques in presence of Noise.	IJCA Proceedings on International Symposium on Devices MEMS, Intelligent Systems & Communication (ISDMISC)(3):22-25, 2011”. Published by Foundation of Computer Science, New York, USA on September 09, 2011 Digital Library <a href="http://www.ijcaonline.org/proceedings/isdmisc/number3/3457-isdm054">http://www.ijcaonline.org/proceedings/isdmisc/number3/3457-isdm054</a> ISBN: 978-93-80864-71-6	Impact Factor 0.821 SJR 0.34 SNIP 0.01
Mr.V Venkateswara Rao	Binary Association Rule Mining using Bayesian Network.	2011 International Conference on Information and Network Technology (ICINT 2011), held	-

		<p>on April 29-30 2011, Chennai, India.  ISBN-13:978-981-08-8632-5  Data Base:  Engineering &amp; Technology  Digital Library Accession  Number:ICINT2011T30281  Copyright 2008-2011 Engineering &amp;  Technology Digital Library,  Singapore 蜀ICP备09032185号-16</p>	
V Venkateswara Rao	Efficient Clustering Techniques in presence of Noise	<p>International Symposium on devices MEMS Intelligent Systems and Communication 2011 (ISDMISC 2011)", held on 12th – 14th April 2011 at Sikkim Manipal Institute of Technology, Sikkim.  (ISSN 0975 – 8887) (ISBN 978-93-80747-80-2)</p>	-
Mr.V Venkateswara Rao	Item Set Mining using BTree Indexing	<p>The 2010 International Conference on Informatics, Cybernetics, and Computer Applications (ICICCA 2010)", held on July 19-21,2010, at Gopalan College of Engineering and Management, Bangalore, India.  ©2010 DIRF JET Series ISSN 0976-2930  DIRF Database &amp; Digital Library</p>	-
Dr Rakesh Nayak	An algorithmic Comparison between polynomial base and Matrix based NTRU cryptosystem	<p>International Journal of Computer and Network Security(IJCNS)  Vol.2, No.7,  58-63  July 2010</p>	--
Dr Rakesh Nayak	NTRU Digital Signature Scheme - A Matrix Approach.	<p>International Journal of Advanced Research in Computer Science (IJARCS) Vol 2 Issue 1, 49-52 Feb. 2011</p>	<p>Scientific Journal Impact Factor of IJARCS is 3.74</p>

## 20. Areas of consultancy and income generated-

S.No	Financial Year	Name of Project	Organization Name	Name of Faculty Coordinator	Income Generated
1	2012-13	Web Site Development <a href="http://www.studentnaukri.com">www.studentnaukri.com</a>	Orange Applabs, Tanuku	Dr.Ch Divakar, G Loshma, V Venkateswara Rao	Rs. 10,000
2	2011-12	Website development for Bharatiya Vidya Bhavan Schools in Tadepalligudem and Rajahmundry branches and Elixir Met Form Pvt. Ltd.	Orange Applabs, Tanuku	Dr. S Venkateswarlu, G Loshma, V Venkateswara Rao	Rs. 30,000
3	2010-11	Web Site Development <a href="http://www.geosolindia.com">www.geosolindia.com</a>	Orange Applabs, Tanuku	Dr. S Venkateswarlu, G Loshma, V Venkateswara Rao	Rs. 20,000

## 21. Faculty as members in

b) National Committees b) International Committees c) Editorial Boards

S. No	Faculty Names	Department	Details
1	Dr. Y S S R Murthy	CSE	<ul style="list-style-type: none"> <li>• Technical Reviewer of ICCIDM Springer Proceedings</li> <li>• Technical Reviewer of CTIT(Current Trends in Information Technology)</li> </ul>
2	Ms. G Loshma	CSE	<ul style="list-style-type: none"> <li>• Technical Reviewer of ICACCI 2013, WCI 2013, WCI 2014 Conferences</li> <li>• Conference Committee Member of European Conference on Information Management and Evaluation (ECIME) since 2013</li> </ul>
3	Mr.V Venkateswara Rao	CSE	<ul style="list-style-type: none"> <li>• Technical Reviewer of DMIN Proceedings</li> <li>• Technical Reviewer of International Journal Of Computers &amp; Technology</li> <li>• Technical Reviewer of AIRCC Proceedings</li> </ul>
4	Dr. Rakesh Nayak	CSE	<ul style="list-style-type: none"> <li>• Section Editor of IJRCCT (International Journal of Research in Computer and Communication)</li> </ul>

			Technology) <ul style="list-style-type: none"> <li>• Editor of IJTR (International Journal of Innovative Technology and Research)</li> </ul>
5	Mr.Ch Raja Ramesh	CSE	<ul style="list-style-type: none"> <li>• Technical reviewer of IJTR 2013 onwards, its impact factor is 0.85</li> </ul>

## 22. Student Projects

- c) Percentage of students who have done in – house projects including inter departmental / programme-100%
- d) 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

**Awards received by University Topper:**

SNo	Name of the Student	Name of the Award
1	Ms. Kalpana Patchigolla (B.Tech CSE 2006-10 Batch)	JNTUK University CSE Topper Gold Medal
2		Computer Society Corporation Gold Medal at JNTUK
3		Prof. VVL Rao Memorial Endowment Cash Prize at JNTUK

- Top 3 students of each class in each semester are awarded Cash Prizes of Rs.1000, Rs.750, Rs. 500 by the college.
- Details of students who received Prizes in different competitions:

S.No	Academic Year	Name of the Student	Achievements
1	2013-14	K. Kedarnath Swamy	First Prize in Paper Presentation VALIANT, Vishnu Institute of Technology, Bhimavaram Feb 6 <sup>th</sup> & 7 <sup>th</sup> 2014
2	2012 - 13	S V Haritha	II Prize in Spurthi -12 ( Paper Presentation)
		B.Madhavi	I Prize in MedhaMilan'12 (Technical quiz)

		G.Yamini Devi	I Prize in MedhaMilan'12 (Technical quiz)
		G.S.S Deepthi	II Prize in MedhaMilan'12 (Technical quiz)
		T.Anusha	Finalist in ADROIT (Technical quiz)
		S.Venkata Haritha	Finalist in ADROIT (Technical quiz)
3	2011 - 12	M.Vijaya	I Prize in Kushi-2K11 (Poster presentations)
		K.Sravani	I Prize in Kushi-2K11 (Poster presentations)
		D.Sasidhar	I Prize in Kushi-2K11 (Poster presentations)
		B.Madhava Rao	II Prize in Kushi-2K11 (Poster presentations)
		C.H.N.V.Vijaya Krishna	II Prize in Kushi-2K11 (Poster presentations)
		D.Sasidar	I Prize in Kushi-2K11 (Poster presentations)
		D.Paul Joseph	I Prize in Ekathra (Codifique)
		A.Leela Prasanna	I Prize in Ekathra (Codifique)
		CH.N.V.Ramana Murthy	I Prize in Ekathra (Codifique)
		B.Madhava Rao	I Prize in Ekathra (Codifique)
		Ch.N.V.Vijaya Krishna	I Prize in Ekathra (Codifique)
		Ch.K.Kali Prasad	I Prize in Ekathra (Codifique)
		K.Lakshmi Pavani	II Prize in Ekathra (Codifique)
		D.Paul Joseph	I Prize in Ekathra (Codifique)

## 24. List of eminent academicians and scientists / visitors to the department:

S.No	Name of Eminent Academician/Scientist/Visitor to Department	Date of Visit
1.	Mr.Thomas Solomon, Director – Education Solution Architech – Enterprise Key Accounts, Oracle India Pvt. Ltd.	05-11-2014

2.	Mr Y Venu, IBM Certified Professional, Director, Pinnacle NanoTech India Pvt.Ltd.	16-09-2014
3.	Mr P.V.Sita Rama Srinivas, Talent Cafe Technologies, Bangalore	01-09-2014
4.	Mr.P.S.K. Varma, Techsophy, Hyderabad	16-08-2014
5.	Mr V. Srinivasa Prasad, Head – Facilities, Open Text Technologies, Hyderabad	16-08-2014
6.	Mr Satya Thopalli, RMG Campus, Tech Mahindra Pvt.Ltd	18-07-2014
7.	Dr Sriram Kothapalli, Vice President and Global Head(Quality), ITC Infotech Ltd, Bangalore	10-04-2014
8.	Mr Srinivas Kishan Anapu, CEO, Voice of Big Data Solutions, Hyderabad	17-03-2014, 27-12- 2013
9.	Mr Srikanth Surampudi, HR Regional, TCS, Hyderabad	05-03-2014
10.	Mr Rama Evani, DST Worldwide Services	23-03-2013
11.	Mr Lloyd Dooland Nisum Technologies, Hyderabad	02-02-2013
12.	Dr.V Vijaya Kumar, Academic Dean, GIET ,Rajamundry	08-01-2013
13.	Dr.M.S.Sastry, Emeritus Professor, Cookeville Tennessee, U.S.A	30-11-2012
14.	Mr. Rahul Sachdev, National Manager,SAP India Pvt.Ltd., Bangalore	17-10-2012
15.	Mr.J. Nagababu, Project Engineer, Wipro Technologies	21-09-2012
16.	Dr. C.V Sastry, Retired Professor, NIT Rourkela	08-08-2012
17.	Mr Eswar Prabhakar, HCL Technologies	14-07-2012
18.	Dr Ch.Rupa, VVIT, Guntur	28-02-2012
19.	Dr. Suresh Chandra Satapathy, Professor and Head, ANITS,AP	08-08-2011
20.	Mr A.Krishna Mohan, JNT University, Kakinada	05-02-2011

## 25. Seminars / Conferences / Workshops organized &amp; the source of funding

## a) National-

S.No	Title of Event	Name of Resource Person(s)	Date	Source of Funding
1	One Day Workshop on "UML & DP using IBM Rational Tools"	Mr Y. Venu, IBM Certified Professional, Director, Pinnacle Nano Tech. India Pvt. Ltd.	16-09-2014	College
2	3-day JKC Workshop on "IBM DB2"	JKC Team, Hyderabad	23-09-2014 to 25-09-2014	-
3	2-day JKC Workshop on "Cloud Computing"	JKC Team, Hyderabad	08-10-2014 To 09-10-2014	-
4	2-Day Workshop on "Data Warehousing Tools- BI and Informatica"	Mr Sandeep Maturi, Mr B Raghu Narayana, SLK Software Services Pvt Ltd., Bangalore	28-09-2012 To 29-09-2012	College
5	3-day Android Mobile Application Development Workshop	Coign Edu & IT Services Pvt. Ltd., Hyderabad	10-01-2013 To 12-01-2013	-
6	Workshop On Ethical Hacking And Cyber Forensics	CyberCure Solution Delhi	16-12-2011 to 17-12-2011	-
7	3-day Workshop on "IBM Technologies"	In Collaboration with IBM and IEG	21-06-2010 to 23-06-2011	College

## b) International- Nil

## 26. Student profile programme / course wise

Name of the Course / Programme (refer questiona no. 4)	Applications received	Selected	Enrolled		Pass Percentage
			*M	*F	
		Not Applicable			



## 27. Diversity of Students

Name of the Course	% of Students from the same state	% of Students from the other states	% of Students from the abroad
B.Tech	100	0%	0%
M.Tech	100	0%	0%

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services, etc.?

List of the Students Qualified in GATE 2014				
S.No	Name of the Student & Reg. No	Branch/Year	GATE Score	All India Rank
1.	S Vineel 10A81A05A8	4 <sup>th</sup> B.Tech CSE B	371	11012
2.	K Nagalakshmi 10A81A0578	4 <sup>th</sup> B.Tech CSE B	359	12101
3.	K Tejaswi 10A81A0527	4 <sup>th</sup> B.Tech CSE A	354	12557
4.	S Hymavathi 10A81A05A3	4 <sup>th</sup> B.Tech CSE B	339	13992

List of the Students Qualified in GATE 2012			
S. No.	Roll No.	Name of the Student	Score
1	08A81A0576	D. Sasidhar	42.5
2	08A81A0588	K. Venkateswara Rao	38.33
3	08A81A0540	K. Pavan Kumar	37
4	08A81A05C2	T. Narendra	35
5	08A81A0582	G.R.A. Seshu Babu	34.67
6	08A81A0549	P. Durga Balaji	34
7	08A81A0512	Ch.N.V. Vijaya Krishna	33.67
8	08A81A05B7	S. Manikanta	32
9	08A81A0563	V. Shyam Sudheer	32
10	08A81A05A3	B.S.V. Naresh	31.67

<b>List of the Students Qualified in MAT 2012</b>			
<b>S.No</b>	<b>Reg.No and Name of the Student</b>	<b>Branch/Year</b>	<b>Composite Score</b>
1.	08A81A0581 – G. Srirama Chandrudu	4 <sup>th</sup> CSE	682.50
2.	08A81A0531 – Sri Rama Krishna K	4 <sup>th</sup> CSE	531.50
3.	08A81A0511 – B Siva Ram Kumar	4 <sup>th</sup> CSE	525.50

<b>List of the Students Qualified in GATE 2011</b>			
<b>S.No</b>	<b>Name of the Student</b>	<b>Branch/Year</b>	<b>Rank</b>
1.	08A81A0540 – K. Pavan Kumar	3 <sup>rd</sup> CSE	17,522
2.	08A81A0576 – D. Sasidhar	3 <sup>rd</sup> CSE	6,359
3.	07A81A0570 – K.B.G.Krishna	4 <sup>th</sup> CSE	6,159
4.	07A81A0572 – Y. Deepika Kumari	4 <sup>th</sup> CSE	6,741

<b>List of the Students Qualified in CAT 2011</b>			
<b>S.No</b>	<b>Name of the Student</b>	<b>Branch/Year</b>	<b>%</b>
1.	08A81A0581 – G. Srirama Chandrudu	3 <sup>rd</sup> CSE	CAT-60%
2.	08A81A05A3 – B.S.V.Naresh	3 <sup>rd</sup> CSE	CAT- 58%

## 29. Student Progression

<b>Student progression</b>		<b>% Against enrolled</b>			
		<b>2014-15 till date</b>	<b>2013-14</b>	<b>2012-13</b>	<b>2011-12</b>
UG to PG		-	5	6.66	14.39
PG to M. Phil.		-	-	-	-
PG to Ph.D.		-	-	-	-
Employed	Campus selection	59.3 (38/64)	12.6 (10/79)	24.3 (18/74)	32.9 (26/79)
	Other than campus recruitment	-	27.8 (22/79)	29.72 (22/74)	5 (4/79)

**M. Tech**

Student progression		Against % enrolled			
		2014-15	2013-14	2012-13	2011-12
UG to PG		-	-	-	-
PG to M. Phil.		-	-	-	-
PG to Ph.D.		-	-	-	2.22%
Employed	Campus selection	-	-	-	-
	Other than campus recruitment	-	16.66%	50%	27.5%

## 30. Details of Infrastructural facilities

## e) Library

- Department Library with a vast collection of books of Computer Science Engineering available for Faculty and students.

Books in the Department Library	
Number of Titles	310
Number of Volumes	437

## f) Internet facilities for Staff &amp; Students

- Railtel leased line(1:1) --- 12 Mbps
- BSNL Broadband --- 20 Mbps

## g) Class rooms with ICT facility

- One e-Classroom available
- Campus is Wifi-Enabled

## h) Laboratories

- CSE Departments has 04 labs

**Lab Details:**

S.No	Name of the Laboratory (No. of Computers)	Area	Cost
1	Software Engineering Lab (70)	225 Sq.mt	16,80,000/-
2	Computer Programming Lab-1 (75)	225 Sq.mt	20,59,200/-
3	Computer Programming Lab-2	225 Sq.mt	13,65,000/-

	(60)		
4	M. Tech. Lab (15)	73 Sq.mt	3,36,100/-
5	Server Room (10)	30 Sq.mt	4,79,580/-
Total Cost			59,19,880/-

**Software Available:**

S.No	Software Specifications	Number Purchased	Cost
1	Operating System : Windows 7	MSDN	Rs.45,000
2	IBM RSA(Rational Software Architect)	30 Users	Rs.1,75,000
3	Oracle 11g suite	100 Users	Rs.34,377
4	Visual Studio suite	MSDN	---
5	IBM Rational Rose Suite	30 Users	Rs.3,06,720
Total cost			Rs.5,61,097

31. Number of students receiving financial assistance from college , university , government or other agencies

- More than 60 % of students are receiving financial assistance from the government
- The College Management gives concessions in Tuition Fee, Hostel Fee and Bus Transport to deserving poor students.
- The College Management gives Merit Scholarships to students with Commendable Ranks in Qualifying Entrance Exam to B. Tech.

Academic Year	No. Of Students		Financial Assistance Authority
	B.Tech	M.Tech	
2014-15	383	17	Government
	03	--	College Management
2013-14	360	16	Government
	03	--	College Management
2012-13	322	22	Government
2011-12	109	13	Government

32. Details on student enrichment programmes ( special lectures / workshops / seminar ) with external experts

### Details of Special Training Sessions Organized

Academic Year 2014-15				
S.No	Student Enrichment Course	Organization Name	Date & Duration	Target Audience
1	Oracle WDP Java 7 Phase-1	Oracle India Pvt. Ltd.	21/08/14 to 26/08/14 (20 Hours Training)	4 <sup>th</sup> CSE : 82 Students
2	Oracle WDP Java 7 Phase-2		09/10/14 to 14/10/14 (20 Hours Training)	

### Details of Guest Lectures Organized:

Academic Year 2014-15					
S.No	Title of Guest Lecture	Name of Resource Person, Organization Name	Date	Target Audience	No of students attended/ participated
1.	An Insight to Cloud Computing	Dr.Y.S.S.R. Murthy, Academic Dean,Head,CSE, Sri Vishnu College for Women,Bhimavaram	30-06-2014	4 <sup>th</sup> B.Tech CSE	128
2.	Placement Oriented Talk	Mr.Satya V.Thopalli, RMG Campus, Tech Mahindra Ltd, Hyderabad	18-07-2014	4 <sup>th</sup> B.Tech CSE 1st Sem	128
3.	Industry Requirements	Mr. P. V. Sita Rama Srinivas, Talent Cafe Technologies, Bangalore	01-09-2014	4 <sup>th</sup> B.Tech CSE 1st Sem	128
4.	CSI Organized Personality Development Session by "Spirituality in Computers Era"	Dr Garikipati Narasimha Rao, Spiritual Orator	11-10-2014	3 <sup>rd</sup> B.Tech CSE and CSI students	150
5.	Webinar Series on	Mr Kalyan Reddy,	26-12-2014 to	2 <sup>nd</sup> B.Tech CSE	60

	“Introduction to C-Language”	Globarena Technologies Pvt.Ltd.	28-12-2014		
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<b>Academic Year 2013-14</b>					
<b>S.No</b>	<b>Title of Guest Lecture</b>	<b>Name of Resource Person, Organization Name</b>	<b>Date</b>	<b>Target Audience</b>	<b>No of students attended/participated</b>
1.	Facing Interview, Tips and Tricks	Mr Srinivas Krishna Anapu,CEO, Voice of Big Data Solutions, Hyderabad	27-12-2013	2 <sup>nd</sup> B.Tech CSE	130
2.	Interactive Session on Industry Requirements	Mr Srikanth Surampudi HR Regional, TCS, Hyderabad	05-03-2014	3 <sup>rd</sup> B.Tech CSE	40
3.	Big Data: Frontier for Innovation	Mr Srinivas Kishan Anapu, CEO, Voice of Big Data Solutions, Hyderabad	17-03-2014	4 <sup>th</sup> B.Tech CSE	120
4.	Quality Engineering	Dr Sriram Kothapalli, Vice President and Global Head(Quality), ITC Infotech Ltd, Bangalore	10-04-2014	1 <sup>st</sup> ,2 <sup>nd</sup> ,3 <sup>rd</sup> ,4 <sup>th</sup> B.Tech CSE	540

<b>Academic Year 2012-13</b>					
<b>S.No</b>	<b>Title of Guest Lecture</b>	<b>Name of Resource Person</b>	<b>Date</b>	<b>Target Audience</b>	<b>No of students attended/participated</b>
1.	Scrum Agile Technologies	Eswar Prabhakar, Senior manager, HCL Technologies	14-07-2012	IV B.TECH CSE B	68

2.	Clustering Techniques in Data Mining	Dr. C.V Sastry Retired Professor, NIT Rourkela	08-08-2012	IV B.TECH CSE A & B	129
3.	Knapsack problems and its applications to Network Security	Dr. C.V Sastry Retired Professor, NIT Rourkela	08-08-2012	III B.TECH CSE A & B	141
4.	Nano-Material preparation and their applications	Dr. S.V Naidu Professor in Physics, Grambling State University ,U.S.A	09-08-2012	II B.TECH CSE A & B	121
5.	Focus on Real Time (Software Trends and Technologies)	Mr V.S.S.R Dhanapathi, SVEC Alumni	16-08-2012	II B.TECH CSE A & B	121
6.	Human Computer Interaction through Microsoft Speech API, CSI Student Chapter	Mr J Naga Babu, Project Engineer, Wipro Technologies	21-09-2012 Forenoon	IV B.TECH CSE A & B	129
7.	Deploying J2EE Web Application using Eclipse IDE, CSI Student Chapter	Mr J Naga Babu, Project Engineer, Wipro Technologies	21-09-2012 Afternoon	III B.TECH CSE A & B	141
8.	SAP as an Organization & SAP TECHNIVERSITY EVENT	Mr. Rahul Sachdev, National Manager, SAP India PVT Ltd, Bangalore	17-10-2012	IV B.TECH CSE A & B	129
9.	Interactive Guest Lecture	Dr.M.S.Sastry, Emeritus Professor, Cookeville Tennessee, U.S.A	30-11-2012	IV B.TECH CSE A & B	129
10.	Context Free Grammars	Dr V Vijaya Kumar, GIET,Rajahmundry	08-01-2013	2 <sup>nd</sup> B.Tech CSE	130

11.	Courage and Wisdom	Mr Lloyd Dooland Nisum Technologies, Hyderabad	02-02-2013	4 <sup>th</sup> B.Tech CSE	90
12.	Interactive Session on Industry Requirements	Mr Srikanth Surampudi ILP Head, TCS, Hyderabad	08-02-2013	3 <sup>rd</sup> B.Tech CSE	125
13.	Industry Updates	Mr Rama Evani, DST Worldwide Services	23-03-2013	4 <sup>th</sup> B.Tech CSE	120

Academic Year 2011-12					
S.No	Title of Guest Lecture	Name of Resource Person	Date	Target Audience	No of students attended/participated
1.	Visual computing & Visual Programming	Mr. V.Nanda Kishore, Free Lancer Software Programmer	10-01-2012	III B.Tech CSE	131
2.	Current Trends In Information Technology	Dr Ch. Rupa, VVIT, Guntur	28-02-2012	III B.Tech CSE & Faculty	120
3.	Demand for Mobile App's in Software Industry	Mr. Dileep	12-03-2012	IV B.Tech CSE & Faculty	139
4.	Open Source Tools & Technologies	Mr. G. Siva	23-03-2012	IV B.Tech CSE	139

Academic Year 2010-11					
S.No	Title of Guest Lecture	Name of Resource Person	Date	Target Audience	No of students attended/participated
1.	CAT Awareness Program	Mr. Narasimham	30-12-2010	III B.Tech CSE	142
2.	Guidance on Improving Programming	Mr. S K Khaja Ibrahim	22-01-2011	IV B.Tech CSE & Faculty	130



3.	Architecture of Web based Projects	Sri A. Krishna Mohan	05-02-2011	IV B.Tech CSE & Faculty	160
4.	GATE Preparation	Mr. R. Jayachandra	21-02-2011	III B.Tech CSE	142

**Details of Workshops Organized:**

S.NO	DATE	Event Name	Event Summary
<b>Academic Year 2014 - 2015</b>			
1.	16-09-2014	One Day Workshop on "UML & DP using IBM Rational Tools"	Mr Y. Venu, IBM Certified Professional, Director, Pinnacle Nano Tech. India Pvt. Ltd.
2.	23-09-2014 to 25-09-2014	3-day JKC Training on "IBM DB2"	IBM DB2 Concepts covered By JKC Team, Hyderabad
3.	08-10-2014 To 09-10-2014	2-day JKC Training on "Cloud Computing"	Cloud Computing Concepts covered by JKC Team, Hyderabad
<b>Academic Year 2012 - 2013</b>			
1.	28-09-2012 to 29-09-2012	2-Day Workshop on "Data Warehousing Tools- BI and Informatica"	Data Warehousing using Business Intelligence and Informatica by Mr Sandeep Maturi, Mr B Raghu Narayana, SLK Software Services Pvt Ltd., Bangalore
2.	28-09-2012 to 29-09-2012	IBM Rational Rose Seed Program	UML Concepts, Usage of Rational Rose Architect Software
3.	10-01-2013 To 12-01-2013	3-day Android Mobile Application Development Workshop	Android Mobile Application Development by V Vijaya Kumar, Coign Edu & IT Services Pvt. Ltd., Hyderabad
4.	16-03-2013	1-Day Workshop on "Network Certification & CCNA Implementation"	Various Network Certification Programs discussed and CCNA Implementation
<b>Academic Year 2011 - 2012</b>			
1.	16-12-2011 to 17-12-2011	2-day Hands-on Workshop on "Ethical Hacking and Cyber Forensics"	Ethical Hacking and Cyber Forensics topics covered in detail by CyberCure Solutions, Delhi
2.	07-03-2012	1 Day Workshop Workshop on	By Department SCUD Team

		“Middleware Technology”	
<b>Academic Year 2010 - 2011</b>			
1	21-06-2010 to 23-06-2010	3-day Workshop on “IBM Technologies”	CSE Department in Collaboration with IBM and IEG

33. Teaching methods adopted to improve student learning:

- ICT Enabled Classroom teaching used.
- Add-on Programs done in lab by students
- Add-on topics discussed with real world examples.
- Daily One Tutorial per subject conducted where student groups are required to present the topic given to them.
- Assignments given to students.
- Regular Seminars by students.
- NPTEL Videos, COEERD and QEEE Interactive Webinars used.

34. **Participation in Institutional Social Responsibility (ISR and Extension activities)**

CSE Department has a Social Service Team called as Sahaya(Helping Hands) which does the Social Service to the Society as a part of Institutional Social Responsibility being carried out by the Department Students and Staff with the support of Management.

- Donated 1-day Staff Salary towards AP Capital Development Fund
  - Regular Blood Donation Camps held
- Total Amount Donated (till Date): **Rs.2,73,420/-**

List of Events Conducted by Sahaya Team:

<b>Academic Year: 2014-2015</b>			
S.No	Date	Service Activity Details	Venue
1	24/07/2014	Donated Rs.18,000 to M. Naga Lakshmi, CSE student towards medical expenses due to her accident.	Sri Vasavi Engg College TPG
2	24/11/2014	Donated an amount of Rs. 1500/- to Mr Lakshmi Vara Prasad a 28 year old press reporter suffering with Brain TB towards medical treatment	Sri Vasavi Engg College TPG
3	16/02/2015	Donated an amount of Rs.6,400/- to Mr K Venkatesh, 3 <sup>rd</sup> Year DCME student, SVEC towards medical expenses as he met with an accident.	Sri Vasavi Engg College TPG

<b>Academic Year: 2013-2014</b>			
<b>S.No</b>	<b>Date</b>	<b>Service Activity Details</b>	<b>Venue</b>
1	18/08/2013	An association distributes books for undergraduates and intermediate blind students for no cost. Donated Rs.9000/-	Help to Help Association for Blind, Visakhapatnam
2	09/11/2013	One of College Attender son was suffering with mental illness. Donated Rs. 21,100/- for his medical expenses.	SRI Vasavi Engg College TPG
3	22/02/2014	Raghavendra, 6 year old child, needed Open Heart Surgery in Narayana Hrudayalaya, Bangalore. Donated Rs.8,900/-	SRI Vasavi Engg College TPG
4	12/04/2014	Team of Sahaya served food for the old people residing in OLDAGE HOME.	Oldage Home, Padala, Tadepalligudem

<b>Academic Year: 2012-2013</b>			
<b>S.No</b>	<b>Date</b>	<b>Service Activity Details</b>	<b>Venue</b>
1	20-09-2012	Team of Sahaya is asked to pay the house rent to continue the uninterrupted services of serving blind people. So we paid the House rent of Rs.6000/-.	Drusti Pradhata Blind School, Kovvuru
2	28-09-2012	An Association for blind approached the Sahaya and asked financial support for printing Braille Books. This association distributes these books for undergraduates and intermediate blind students for no cost. Donated Rs.9000/-	Help to Help Association for Blind, Visakhapatnam
3	22-11-2012	Team of Sahaya helped our college student suffering with kidney problem who needs to be operated immediately by donating Rs.6000/-.	Denduluru (village), West Godavari District
4	14-04-2013	Donated Rs.17,000/- to help Cancer patient	Gondagollanu village near Eluru West Godavari District

5	21-04-2013	Donated the fund to the parents of our student late T.Ravindra Babu(10A85A0506) with the great financial assistance from our college management. Donated Rs.1,00,000/-	SRI Vasavi Engg College TPG
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<b>Academic Year: 2011-2012</b>			
<b>S.No</b>	<b>Date</b>	<b>Service Activity Details</b>	<b>Venue</b>
1	21-07-2011	A Dumb and Deaf Person is required help to continue his studies and SAHAYA helped him financially. Donated Rs.1500/-	Sri Vasavi Engg. College, TPG
2	15-08-2011	SAHAYA helped our B.pharmacy Student LAKSHMI paid the exam fee. Donated Rs.1500/-	Sri Vasavi Engg. College, TPG
3	11-04-2012	SAHAYA Served “Smt. Lagadapati RamaLakshamma Vikalangula Ashramam”, Devarapalli by donating them Inverter and Battery worth Rs.14,600/-.	Sri Vasavi Engg. College, TPG

<b>Academic Year: 2010-2011</b>			
<b>S.No</b>	<b>Date</b>	<b>Service Activity Details</b>	<b>Venue</b>
1	14-07-2010	Engineering student suffering with blood cancer that required 18 Lakhs for his treatment and from our organization we donated Rs 9000/-.	Sri Vasavi Engg. College, TPG
2	29-07-2010	Conducted “Carrier Guidance/ Computer Education” a Awareness Workshop for the Non-Teaching(AAYAS) Staff and their children and distributed Tiffin Boxes to AAYAS and Compass Boxes to their Children.	Sri Vasavi Engg. College, TPG
3	07-0-8-2010	Donated an Amount of Rs 8000/- to IT Students who are Serving an Orphanage in Eluru with Clothes and food.	Sri Vasavi Engg. College, TPG
4	15-08-2010	With a Motto to serve Poor Students we identified 40 poor students from High School, Pedatadepalli and Donated Books, Compass Boxes and paid their exam fees and other	Govt., High School, Pedatadepalli, Tadevalligudem.

		allowances worth Rs.10,750/.	
5	19-10-2010	We helped one of our AAYAS “Premavathi” who is in need of paying the Examination fee and some basic needs like Uniform etc. for her daughter. Donated Rs.1000/-.	Sri Vasavi Engg College, TPG
6	21-10-2010	An Engg. College Student MAHESH , financially poor and good at studies met with an Accident required a large amount and we helped financially by Donating Rs.4000/-	Sri Vasavi Engg College TPG
7	28-12-2010	We are approached by Sarvodaya Seva Ashrama Samstha, working towards the maintainance of poor Boys & all Communities without Caste and creed seva. Donated Rs.2500/-.	Sri Vasavi Engg College TPG
8	08-02-2011	A poor student excellent at studies, suffering with Brain Cancer needed to be operated immediately that required an amount of 4 Lakhs. Donated Rs.10,500/-	Sri Vasavi Engg College TPG

35. SWOC analysis of the department and future plans.

**Strengths of the Department:**

- Strong, Committed, Well Experienced Faculty.
- Good Software and Hardware Infrastructure.
- MOU with Oracle for Workforce Development Program (WDP) for Students Training on Oracle Products, MOU with Infosys for Campus Connect Foundation Program, MOU with TCS for Conduct of GATE Online Exam.
- Full Admissions as per Intake.
- Excellent Infrastructure in Pollution Free Environment.

**Weaknesses of the Department:**

- Research and Consultancy inadequate due to remote area.
- Poor Communications Skills of students at entry level due to rural background.
- Lack of Self-Motivation among students.

**Opportunities of the Department:**

- As program is NBA Accredited, eligible for AICTE Funding.
- Have potential to achieve global standards of quality
- As College has 2F and 12B of UGC Acts, hence eligible for receiving UGC funds.

**Challenges of the Department:**

- To acquire more funding for research oriented projects.
- 100% Placements for all eligible students.
- Motivating more number of students to become Entrepreneurs.

**Future Plans**

- Partnering with academic, industrial and government entities to establish Centres of Excellence.
- To acquire funds under Technical Education Quality Improvement Programme (TEQIP) program for student and faculty development.
- Attaining national and international recognition among peer institutions for excellence in both research and teaching.
- To initiate and execute community reach-out projects to cater to the under-privileged sections of the surrounding community in and around the College.

## Evaluative Report of the Department

1. Name of the department : **INFORMATION TECHNOLOGY**
2. Year of Establishment : **2001**
3. Names of Programmes / Courses offered : **UG: B.Tech (Information Technology)**  
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):
4. Names of Interdisciplinary courses and the departments/units involved:  
**No interdisciplinary programs offered**
5. Annual/ semester/choice based credit system (programme wise) :  
**B.Tech (Information Technology) - Semester based credit system electives in Higher semesters**
6. Participation of the department in the courses offered by other departments :

### Offers IT related courses (service related) to students of other programs

S. No.	Programme	Course offered by other Departments
1.	B.Tech	Electrical and Electronics Engineering
2.		Electronics and Communication Engineering
3.		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	-	-
Associate Professors	01	1
Asst. Professors	07	4

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.

/Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of of Experience
Mr.G.Srinivasa rao	M.Tech	Assoc.Prof.	IT	16
Ms.A Leelavathi	M.Tech	Asst.Prof	CSE	11
Mr.N V Muralikrishna Raja	M.Tech	Asst.Prof	CSE	04
Mr.V K S K Sai	M.Tech	Asst.Prof	CSE	07
Ms.K Manasa	B.Tech	Asst. Prof	CSE	4

11. List of senior visiting faculty : Nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: **NIL**
13. Student -Teacher Ratio (programme wise) :**UG :B.Tech - 15:1**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **3 members**

Designation	Sanctioned
Programmer	1
Data Entry Operator	1
Attender	1

15. Qualifications of teaching faculty with PG : M. Tech.:**4**

Qualification	No. of Teaching Faculty
Ph. D	0
PG -M. Tech	4

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**  
College facilitates are being used by faculty to pursue Ph.D. program with universities



## 20. Publications:

**Academic Year (2014-15)**

S.No	Name of Faculty	Number of Papers Published in Peer Reviewed Journals	Number of publications listed in International Database
1.	Mr. G.Srinivasa rao	2	1
2.	Ms.A Leelavathi	1	1

**Academic Year (2013-14)**

S. No	Faculty Name	National Conferences / International Conferences/ International	Title	Details (Date & Year)	Reference
1	Mr.G Srinivasa Rao	International Journal	“ Automated Identification And Calculation In Wireless Sensor Networks” in Proceedings of International Journal of Scientific	Vol. 3, Issue 3, March 2014	IJSCTR

**Academic Year (2012-13)**

S. No	Faculty Name	National Conferences / International Conferences/ International Journal	Title	Details (Date & Year)	Reference
1	Mr.G.Srinivasa Rao	International Journal	Depletion Attacks: Automated Identification and Calculation in Wireless Sensor Networks	March-2013	IJSETR
2	Mr.V.KS.K.Sai	International Conference	Secure strategy for privacy preserving in association rule mining	26 <sup>th</sup> , April 2012	vizag

20. Areas of consultancy and income generated: **NIL**

21. Faculty as members in: **NIL**

a) National committees b) International Committees c) Editorial Boards....

## 22. Student projects

a)Percentage of students who have done in-house projects including inter departmental/programme: **100%**

b)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:

**Top 3 students of each class in each semester are awarded Cash Prizes of Rs.1000, Rs.750, Rs. 500 by the college.**

## 24. List of eminent academicians and scientists / visitors to the department:

S.No	Name of Eminent Academician/Scientist/Visitor to Department	Date of Visit
1.	Mr.Thomas Solomon, Director – Education Solution Architech – Enterprise Key Accounts, Oracle India Pvt. Ltd.	05-11-2014
2.	Mr Y Venu, IBM Certified Professional,Director, Pinnacle NanoTech India Pvt.Ltd.	16-09-2014
3.	Mr P.V.Sita Rama Srinivas, Talent Cafe Technologies, Bangalore	01-09-2014
4.	Mr.P.S.K. Varma, Techsophy, Hyderabad	16-08-2014
5.	Mr V. Srinivasa Prasad, Head – Facilities, Open Text Technologies, Hyderabad	16-08-2014
6.	Mr Satya Thopalli, RMG Campus, Tech Mahindra Pvt.Ltd	18-07-2014
7.	Dr Sriram Kothapalli, Vice President and Global Head(Quality), ITC Infotech Ltd, Bangalore	10-04-2014
8.	Mr Srinivas Kishan Anapu, CEO, Voice of Big Data Solutions, Hyderabad	17-03-2014, 27-12- 2013
9.	Mr Srikanth Surampudi, HR Regional, TCS, Hyderabad	05-03-2014
10.	Mr Rama Evani, DST Worldwide Services	23-03-2013
11.	Mr Lloyd Dooland Nisum Technologies, Hyderabad	02-02-2013
12.	Dr.V Vijaya Kumar, Academic Dean, GIET ,Rajamundry	08-01-2013

13.	Dr.M.S.Sastry, Emeritus Professor, Cookeville Tennessee, U.S.A	30-11-2012
14.	Mr. Rahul Sachdev, National Manager,SAP India Pvt.Ltd., Bangalore	17-10-2012
15.	Mr.J. Nagababu, Project Engineer, Wipro Technologies	21-09-2012
16.	Dr. C.V Sastry, Retired Professor, NIT Rourkela	08-08-2012
17.	Mr Eswar Prabhakar, HCL Technologies	14-07-2012
18.	Dr Ch.Rupa, VVIT, Guntur	28-02-2012
19.	Dr. Suresh Chandra Satapathy, Professor and Head, ANITS,AP	08-08-2011
20.	Mr A.Krishna Mohan, JNT University, Kakinada	05-02-2011

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding :

## a) National

S.No	Title of Event	Name of Resource Person(s)	Date	Source of Funding
1	One Day Workshop on "UML & DP using IBM Rational Tools"	Mr Y. Venu, IBM Certified Professional, Director, Pinnacle Nano Tech. India Pvt. Ltd.	16-09-2014	College
2	3-day JKC Workshop on "IBM DB2"	JKC Team, Hyderabad	23-09-2014 to 25-09-2014	-
3	2-day JKC Workshop on "Cloud Computing"	JKC Team, Hyderabad	08-10-2014 To 09-10-2014	-
4	2-Day Workshop on "Data Warehousing Tools- BI and Informatica"	Mr Sandeep Maturi, Mr B Raghu Narayana, SLK Software Services Pvt Ltd.,	28-09-2012 To 29-09-2012	College

		Bangalore		
5	3-day Android Mobile Application Development Workshop	Coign Edu & IT Services Pvt. Ltd., Hyderabad	10-01-2013 To 12-01-2013	-
6	Workshop On Ethical Hacking And Cyber Forensics	CyberCure Solution Delhi	16-12-2011 to 17-12- 2011	-
7	3-day Workshop on "IBM Technologies	In Collaboration with IBM and IEG	21-06-2010 to 23-06-2011	College

c) International : **NIL**

26. Student profile programme/course wise: **NA**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
-	-	-	-	-	-

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Tech (IT)	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Type (GATE/GRE-TOEFL/MAT/Others)	Qualified Year	Roll Number	Name of the Student	Score	Rank
GRE	2014	10A81A1208	CH N V S S R M D NARASIMHA NAIDU		
GRE	2014	10A81A1216	JAGATA SAI CHAITANYA		

GRE	2014	10A81A1224	KOLLURI ANIL SANDEEP		
<b>2013</b>					
IELTS	2013	09A81A1297	N.Tejaram		
IELTS	2013	07A81A12C3	VAMSIKRISHNA BOLLINENI		
IELTS	2013	09A81A1254	VEMURI SAI DINAKAR		
IELTS	2013	09A81A12A8	PONNAPATI SIVA REDDY		
GRE	2013	09A81A1297	N.TEJARAM		
GRE	2013	09A81A1272	CH VAMSIKRISHNA SAI		
GRE	2013	09A81A12A8	PONNAPATI SIVA REDDY		
<b>2012</b>					
GATE	2012	08A81A12A7	PRASANNABABU JALAPARTHI	225	
<b>2012</b>					
MAT	2012	08A81A12B1	R.BHASKAR KUMAR	648.50	
MAT	2012	08A81A1206	BALUSU NAREN CHOWDARY	701.5	
MAT	2012	08A81A1226	K.V.PRADEEP KUMAR	577.5	
MAT	2012	08A81A12A5	P.SARVESWARA GUPTA	686.5	
<b>2012</b>					
PGECET	2012	08A81A1270	B.RAVI KUMAR	41	3443
PGECET	2012	08A81A1240	N.YESUBABU	41	3457
<b>2011</b>					
GATE	2011	07A81A1209	C SANTWANA	489	4692
GAT	2011	07A81A1242	RAVI KIRAN KARRI		372
IELTS	2011	07A81A12B8	SUREKHA REDDY	6.0	
MAT	2011	07A81A12C3	VAMSI KRISHNA BOLLINENI	650.50	
KLUCET	2011	07A81A1286	JAYA PRAKASH SUNKAVALLI		21

29. Student progression

Student progression		% Against enrolled			
		2014-15 till date	2013-14	2012-13	2011-12
UG to PG		-	4.7%	7.1%	8.4%
Employed	Campus selection	23.5 (8/34)	18.18 (6/33)	16 (12/75)	57 (27/50)
	Other than campus recruitment	-	6 (2/33)	18.6 (14/75)	30 (15/50)

## 30. Details of Infrastructural facilities

- a) Library : **Yes**  
 b) Internet facilities for Staff & Students : **Yes**

**Railtel leased line(1:1) --- 12 Mbps**  
**BSNL Broadband --- 20 Mbps**

- c) Class rooms with ICT facility : **Yes**  
**Campus is Wifi-Enabled**

- d) Laboratories : **1 CP Lab**

S.No	Name of the Laboratory (No. of Computers)	Area	Cost
1	Computer Programming Lab (75)	225 Sq.mt	16,87,452/-

**Software Available:**

S.No	Software Specifications	Number Purchased	Cost
1	Operating System : Windows 7	MSDN	Rs.45,000
2	IBM RSA(Rational Software Architect)	30 Users	Rs.1,75,000
3	Oracle 11g suite	100 Users	Rs.34,377
4	Visual Studio suite	MSDN	---
5	IBM Rational Rose Suite	30 Users	Rs.3,06,720
Total cost			Rs.5,61,097

## 31. Number of students receiving financial assistance from college, university, government or other agencies :

- **More than 60 % of students are receiving financial assistance from the government**
- **The College Management gives concessions in Tuition Fee, Hostel Fee and Bus Transport to deserving poor students.**
- **The College Management gives Merit Scholarships to students with Commendable Ranks in Qualifying Entrance Exam to B. Tech.**

Academic year(2012-13)	Academic year(2011-12)
<b>35</b>	<b>37</b>

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : **Yes**

#### Details of Special Training Sessions Organized

Academic Year 2014-15				
S.No	Student Enrichment Course	Organization Name	Date & Duration	Target Audience
1	Oracle WDP Java 7 Phase-1	Oracle India Pvt. Ltd.	21/08/14 to 26/08/14 (20 Hours Training)	4 <sup>th</sup> IT 21 Students
2	Oracle WDP Java 7 Phase-2		09/10/14 to 14/10/14 (20 Hours Training)	

#### Details of Guest Lectures Organized:

Academic Year 2014-15					
S.No	Title of Guest Lecture	Name of Resource Person, Organization Name	Date	Target Audience	No of students attended/participated
1.	An Insight to Cloud Computing	Dr.Y.S.S.R. Murthy, Academic Dean,Head,CSE, Sri Vishnu College for Women,Bhimavaram	30-06-2014	4 <sup>th</sup> B.Tech IT	58
2.	Placement Oriented Talk	Mr.Satya V.Thopalli, RMG Campus, Tech Mahindra Ltd, Hyderabad	18-07-2014	4 <sup>th</sup> B.Tech IT	58
3.	Industry Requirements	Mr. P. V. Sita Rama Srinivas, Talent Cafe Technologies, Bangalore	01-09-2014	4 <sup>th</sup> B.Tech IT	58
4.	CSI Organized Personality Development Session by "Spirituality in Computers Era"	Dr Garikipati Narasimha Rao, Spiritual Orator	11-10-2014	3 <sup>rd</sup> B.Tech IT	50

<b>Academic Year 2013-14</b>					
<b>S.No</b>	<b>Title of Guest Lecture</b>	<b>Name of Resource Person, Organization Name</b>	<b>Date</b>	<b>Target Audience</b>	<b>No of students attended/participated</b>
1.	Facing Interview, Tips and Tricks	Mr Srinivas Krishna Anapu,CEO, Voice of Big Data Solutions, Hyderabad	27-12-2013	3 <sup>rd</sup> B.Tech IT	50
2.	Interactive Session on Industry Requirements	Mr Srikanth Surampudi HR Regional, TCS, Hyderabad	05-03-2014	3 <sup>rd</sup> B.Tech IT	42
3.	Big Data: Frontier for Innovation	Mr Srinivas Kishan Anapu, CEO, Voice of Big Data Solutions, Hyderabad	17-03-2014	4 <sup>th</sup> B.Tech IT	58
4.	Quality Engineering	Dr Sriram Kothapalli, Vice President and Global Head(Quality), ITC Infotech Ltd, Bangalore	10-04-2014	,3 <sup>rd</sup> ,4 <sup>th</sup> B.Tech IT	108

<b>Academic Year 2012-13</b>					
<b>S. No</b>	<b>Title of Guest Lecture</b>	<b>Name of Resource Person</b>	<b>Date</b>	<b>Target Audience</b>	<b>No of students attended/participated</b>
1.	Scrum Agile Technologies	Mr.Eswar Prabhakar, Senior manager, HCL Technologies	14-07-2012	IV B.Tech IT	29
2.	Clustering Techniques in Data Mining	Dr. C.V Sastry Retired Professor, NIT Rourkela	08-08-2012	IV B.Tech IT	63



3.	Knapsack problems and its applications to Network Security	Dr. C.V Sastry Retired Professor, NIT Rourkela	08-08-2012	III B.Tech IT	58
6.	Human Computer Interaction through Microsoft Speech API, CSI Student Chapter	Mr J Naga Babu, Project Engineer, Wipro Technologies	21-09-2012 Forenoon	IV B.Tech IT	63
7.	Deploying J2EE Web Application using Eclipse IDE,CSI Student Chapter	Mr J Naga Babu, Project Engineer, Wipro Technologies	21-09-2012 Afternoon	III B.Tech IT	58
8.	SAP as an Organization & SAP TECHNIVERSITY EVENT	Mr. Rahul Sachdev, National Manager, SAP India PVT Ltd, Bangalore	17-10-2012	IV B.Tech IT	63
9.	Interactive Guest Lecture	Dr.M.S.Sastry, Emeritus Professor, Cookeville Tennessee, U.S.A	30-11-2012	IV B.Tech IT	63
10.	Courage and Wisdom	Mr Lloyd Dooland Nisum Technologies, Hyderabad	02-02-2013	4 <sup>th</sup> B.Tech IT	63
11.	Interactive Session on Industry Requirements	Mr Srikanth Surampudi ILP Head, TCS, Hyderabad	08-02-2013	3 <sup>rd</sup> B.Tech IT	58
12.	Industry Updates	Mr Rama Evani, DST Worldwide Services	23-03-2013	4 <sup>th</sup> B.Tech IT	63

<b>Academic Year 2011-12</b>					
<b>S.No</b>	<b>Title of Guest Lecture</b>	<b>Name of Resource Person</b>	<b>Date</b>	<b>Target Audience</b>	<b>No of students attended/ participated</b>
1.	Visual computing & Visual Programming	Mr. V.Nanda Kishore, Free Lancer Software Programmer	10-01-2012	III B.Tech IT	112
2.	Current Trends In Information Technology	Dr Ch. Rupa, VVIT, Guntur	28-02-2012	III B.Tech IT	112
3.	Demand for Mobile App's in Software Industry	Mr. Dileep	12-03-2012	IV B.Tech IT	119
4.	Open Source Tools & Technologies	Mr. G. Siva	23-03-2012	IV B.Tech IT	119

#### **Details of Workshops Organized**

<b>S.No</b>	<b>Date</b>	<b>Event Name</b>	<b>Event Summary</b>
<b>Academic Year 2014 - 2015</b>			
1.	16-09-2014	One Day Workshop on "UML & DP using IBM Rational Tools"	Mr Y. Venu, IBM Certified Professional, Director, Pinnacle Nano Tech. India Pvt. Ltd.
2.	23-09-2014 to 25-09-2014	3-day JKC Training on "IBM DB2"	IBM DB2 Concepts covered By JKC Team, Hyderabad
3.	08-10-2014 To 09-10-2014	2-day JKC Training on "Cloud Computing"	Cloud Computing Concepts covered by JKC Team, Hyderabad
<b>Academic Year 2012 - 2013</b>			
1.	28-09-2012 to 29-09-2012	2-Day Workshop on "Data Warehousing Tools- BI and Informatica"	Data Warehousing using Business Intelligence and Informatica by Mr Sandeep Maturi, Mr B Raghu Narayana, SLK Software Services Pvt Ltd., Bangalore
2.	28-09-2012 to 29-09-2012	IBM Rational Rose Seed Program	UML Concepts, Usage of Rational Rose Architect Software
3.	10-01-2013 To 12-01-2013	3-day Android Mobile Application Development	Android Mobile Application Development by V Vijaya Kumar, Coign Edu & IT Services Pvt. Ltd.,

		Workshop	Hyderabad
4.	16-03-2013	1-Day Workshop on “Network Certification & CCNA Implementation”	Various Network Certification Programs discussed and CCNA Implementation
<b>Academic Year 2011 - 2012</b>			
1.	16-12-2011 to 17-12-2011	2-day Hands-on Workshop on “Ethical Hacking and Cyber Forensics”	Ethical Hacking and Cyber Forensics topics covered in detail by CyberCure Solutions, Delhi

33. Teaching methods adopted to improve student learning :

- Add-on Programs done in lab by students
- Assigning seminar topics
- Special training to motivate students to present papers in seminars
- Add-on topics discussed with real time examples.
- Daily One Tutorial per subject conducted where student groups are required to present the topic given to them.
- Regular Seminars by students.
- NPTEL Videos, COEeRD and QEEE Interactive Webinars used.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Yes**

35. SWOC analysis of the department and Future plans

#### **Strengths of the Department:**

- The Institution is surrounded by lush green fields providing serene atmosphere
- Obtained NBA accreditation for two
- Strong, Committed, Well Experienced Faculty
- Good Infrastructure
- All the laboratories in the department are well equipped, can give the best practical exposure.
- Systematic monitoring of teaching-learning process

#### **Weaknesses of the Department:**

- Less scope for Consultancy due to rural background.
- Less no. of International conferences and symposium.
- Poor Communications Skills of students at entry level due to rural background.
- Less Scope for R&D and consultancy because of rural back ground.
- Consultancy and industry interaction need to be improved.
- Lack of funded projects.

**Opportunities of the Department:**

- Improving quality of instruction by supplementing with e-learning .
- To start certified courses as required by market and utilities.
- Establishment of Incubation centre.

**Challenges of the Department:**

- Getting funded projects.
- Training students beyond academics.
- 100% Placements for all eligible students.
- Motivating more number of students to become Entrepreneurs.

**Future Plans**

- To strengthen the industry institute - interaction.
- To undertake research projects and consultancy work
- To achieve 90% and above result.
- To achieve 90% placements among eligible candidates through campus selections.
- To conduct national level confere

### Evaluative Report of the Department

1. Name of the department : **(B&SH) Basic Sciences and Humanities**
2. Year of Establishment : **2001**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) –**Supporting Dept.**
4. Names of Interdisciplinary courses and the departments/units involved- **Nil**
5. Annual/ semester/choice based credit system (programme wise)- **Semester system**
6. Participation of the department in the by other departments-  
**courses offered: English, Maths, Physics, Chemistry, Environmental sciences to all U.G and P.G Students.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.-**No**
8. Details of courses/programmes discontinued (if any) with reasons- **No**
9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	<b>03</b>	<b>01</b>
Associate Professors	<b>07</b>	<b>06</b>
Asst. Professors	<b>36</b>	<b>38</b>

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

#### **Maths Section**

S.No.	Name	Qualification	Designation	Specialization	No. of years of Experience
1	Mr.N.Raja Sekhar	M.sc M.phil	Assoc.Professor &HOD	Mathematics	20
2	Dr. P.V.N.Hanumantha Ravi	M.sc, M.phil Ph.D.	Assoc. Professor	Applied Mathematics	21

3	Mr.S.Amjed Ali	M.sc B.Ed (Ph.D.)	Asst. Prof.	Mathematics	10
4	Ms.B.Adi Lakshmi	M.Sc B.Ed	Asst. Prof.	Mathematics	9
5	Mr.T.Suneel	M.sc	Asst. Prof.	Mathematics	10
6	Mr.M.Ramesh	M.sc, M.Phil,M.Ed	Asst. Prof.	Mathematics	10
7	Ms.N.Janaki	M.Sc &M.phil	Asst. Prof.	Mathematics	7.5
8	Mr.M.Suresh Babu	M.sc	Asst. Prof.	Mathematics	8
9	Ms.G. Prasanthi	M.Sc (Ph.D.)	Asst. Prof.	Mathematics	6.5
10	Mr.B.Rama Gopal	M.P.E.D	Asst. Prof. (PD)	Cricket	14
11	Mr.Sk.Dhana Prasad	M.sc	Asst. Prof.	Mathematics	9
12	Mr.M.Veerendra	M.sc	Asst. Prof.	Mathematics	4
13	Mr.L. Ramu	M.Sc	Asst. Prof.	Mathematics	6
14	Ms. V. Lakshmi Kanaka Durga	M.P.E.D	Asst. Prof.(PD)	Basket Ball	Nil
15	Ms. D. Swetha	M.Sc	Asst. Prof.	Environmental- Science	Nil
16	Ms. D. Harika	M.sc(Ph.D.)	Asst. Prof.	Environmental	6

Dr.P.V.N.Hanumantha Ravi Guiding one Ph.D. Student of JNTUK

### English Section

S.No.	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	Dr.V.V.Hanumantha Rao	M.A., Ph.D.	Professor	20 <sup>th</sup> Century Literature in M.A	19
2	Ms.T.Sujani	M.A. ,M.Phil	Assoc. Prof.	Romantic age & Drama	12
3	Mr.K.Venkata Rao	M.A. ,M.Phil, B.Ed.	Sr. Asst. Prof.	Novel	20
4	Mr.B.Ananda Rao	M.A ,M.Phil.	Asst. Prof.	Literature & Drama	10
5	Mr.P.Sivanjaneyulu	M.A., M.Phil.	Asst. Prof.	M.Phil(American fiction)	8
6	Mr. K.V.Rama Rao	M.A.,B.Ed., PGDFE	Asst. Prof.	Novel	17
7	Mr.K.Radha Madhavi	M.A., B.Ed	Asst. Prof.	M.Phil-Women In Fiction	4

8	Mr.Ch.Srinivasa Rao	M.A. Literature	Asst. Prof.	Romantic Poetry	8.5
9	Ms.Ch. Tanuja	M.A., M.Phil., B.Ed.	Asst. Prof.	P.G-Age of Shakespeare	8
10	Mr.MD.Riyaz	M.A., M.Phil.	Asst. Prof.	ELT	8
11	Mr.SVS. Vas.P	M.A,B.Ed,M.Phil.	Asst. Prof.	M.A- Age of Shakespeare M.Phil	8
12	Mr.T.Venkata Reddy	M.A., English	Asst. Prof.	Colonial encounters	6
13	Mr.K.Ramesh Vijaya babu	M.A., M.Phil, B.Ed.	Asst. Prof.	Autobiographies	2

Dr.V.V.Hanumantha Rao Guiding 1 M.Phil Student

### Physics & Chemistry Sections

S.No.	Name	Qualification	Designation	Specialization	No. of yearsof Experienc
1.	Mr.P.Sita Rama Raju	M.Sc.,M.Phil.,	Assoc. Prof.	Electronics	15
2.	Dr P.Sreenivasa Rao	Ph.D.	Assoc. Prof.	Physics	22
3.	Ms. K.P.N.R.Mouli	M.Sc.	Asst. Prof.	Physics	7
4.	Mr.B.Sasi Bhushan	M.Sc.,M.Tech.	Asst. Prof.	Physics	10
5.	Ms. G.Rama Devi	M.Sc.	Asst. Prof.	Physics	6.5
6.	Mr.Ch.Jagadish Kumar	M.Sc.	Asst. Prof.	Physics	6
7.	Ms.K.Jhansi Rani	M.Sc.	Asst. Prof.	Physics	9
8.	Mr.Sri Ch.Prasad	M.Sc.,M.Tech.	Asst. Prof.	Physics&Nano Technology	5
9.	Dr A.Janardhana Rao	M.Sc., Ph.D.	Assoc. Prof.	Organic Chemistry	15
10.	Mr.J.Chandara Rao	M.Sc.,M.phil.	Asst. Prof.	Applied Chemistry	15
11.	Mr.A.Vamsi Subbarayan	M.Sc.,M.phil	Asst. Prof.	Applied Chemistry	14

12.	Mr.M.Durga Prasad	M.Sc.	Asst. Prof.	Organic chemistry	5
13.	Mr.V.Jaganmohan	M.Sc.,B.Ed.	Asst. Prof.	Organic chemistry	6
14.	Ms. P.Lakshmi Ganapathi	M.Sc.	Asst. Prof.	Applied chemistry	7
15.	Ms.Md. Mahaboob Munnisa	M.Sc.,B.Ed.	Asst. Prof.	Organic chemistry	2.5
16.	Ms.P.Durga Devi	M.Sc.	Asst. Prof.	Analytical chemistry	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)- **15:1**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled- **8 members**
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.-**45**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received-**Nil** this supporting department. **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- **The college facilities are being used by the faculty to persue their Ph.D. program with the universities.**

## 32. Publications:

- \* a) Publication per faculty

S.No	Name of the Faculty	Area	Publications/Presentation	National/ International Journal/ conference/
1.	Dr.V.V.Hanumantha Rao	English	“Logorrhoea is not Loquacity– Decision Precedes Precision in One’s Choice of Vocabulary”, Vol.III of Confluence –The International E-	International Journal



		journal on “Teaching of English in Technical Education” (ISSN : 2250-138x) presented at CONFLUENCE, The Third Annual International Seminar on “Teaching ESL:A Global Perspective” at T.G-P college of Engineering Technology, Nagpur, Maharashtra on 25-02-2012.	
		“The Last Flickers of Royal Fire – Amazing Samples from the Raj – Maharaja Sawai Ram Singh II” in “SUPATHA” ,a bilingual bimonthly magazine in Oct-2013 No.	National Magazine
		“The Last Flickers of Royal Fire – Amazing Samples from the Raj – Maharaja Lakshmeshwar Singh of Darbhanga”, in “SUPATHA” , a bilingual bimonthly magazine in Dec-2013 No.	National Magazine
2.	Mrs.T.Sujani	“Pedagogy of English Vocabulary and Adoptable Strategies” (pgs:284-289) in Indian Chronicle of English Literature, a Peer Reviewed & Referred International Journal Special Issue-2015 (ISSN 2321-0818).	International Journal
		“My Story A Feministic Perspective: A Study of Kamala Das” (pgs:42-44) Research Journal of English Language and Literature: A peer Reviewed International Research Journal Vol.1., Issue (1), 2013, (ISSN-e:2321-3108).	

		<p>“Cohesion -an Intricate Part of Text &amp; Context” UGC sponsored National Seminar on “English Language Teaching at Undergraduate Level in India: Toward the Elimination of the inability to Speak and Write Effectively. “A Research Perspective Sri Velagapudi RamaKrishna memorial College Autonomous), Nagaram, Guntur Dist. 28<sup>th</sup>&amp; 29th Nov.2014</p>	National Conference
		<p>“Ostacizing Women For Leukoderma A Humongous Disease in The Society” Excer pts From Sudha Murthy’s Novel “Mahashweta” at International Seminar on Gender Issues:Transcending Boundaries of Culture, Andhra University, Visakhapatnam, 19<sup>th</sup> – 20<sup>th</sup> September,2014</p>	
		<p>“Kamala Das – A Quintessential Rebel” , International Conference on Women’s Writings In English at Sri Padmavati Mahila Visvvidyalayam ,Tirupathi 28 – 30 January 2012</p>	
3.	Mr.P.Sivanjaneyulu	<p>“Ptential CommunicationSkills for Management Students : A Sole Need for Success” in ALMS (Asian Journal of Managerial Science), an international Peer reviewed research journal , Coimbatore, Tamilnadu(ISSN :2249-6300, Vol-2, No.1,2013).</p>	A Peer – reviewed international journal
		<p>“Glimpses of narrative Glory in Toni Morrison’s Beloved “, RJELAL (Research Journal of English Language and Literature). A Peeer – reviewed international journal, Vol.I Issue2, 2013(ISSN:2321-3108)</p>	
		<p>“Efficacious English for Engineering Students” English for specific purposes: Teaching and learning strategies , proceedings of the national conference on ESP(NCESP-2011), PUBLISHED BY Prestiger books international, New Delhi-110060</p>	A National Conference Publication

2.	Sri.B.Sasi Bhushan	Physics	“Compressive deformation behavior of Al 2024 alloy using 2D and 4D processing maps”, SB.Bhimavarapu, AK Maheshwari, D Bhargava, SP Narayan, Journal of Material Science, 2011, Volume 46, Number 9, Pages 3191-3199.	International Publications
			“A study on the deformation behavior of Mg and Mg alloys using 4D processing maps”, SP Narayan, SB Bhimavarapu, D Bhargava and AK Maheshwari, Compendium COM 2011, Oct, 2011, Montreal, Canada.	International Conferences
			“An investigation on the effect of tensile loading on the ductile to brittle transition temperature of ferritic steel”, SB Bhimavarapu, AK Maheshwari, D Bhargava, BK Dutta, SP Narayan. SMiRT-21, Dec, 2011, New Delhi, Vol. 3 , 2183-90	International Conferences
3.	Dr.P.V.N.Hanumantha Ravi	Mathematics	Kuper-Lortz Instability In A Rapidly Rotating In-viscid Magneto Convection. S G Tagare, P Murali, P V N Hanumantha Ravi. <b>Physical Review E</b> , Volume-50, Issue-2, 1665-1667 August 1994.	International Journal
			Some (Fuzzy) Binary Relations Are Fixed Points Of Certain Operators – Revisited. Nistala V E S Murthy and Pusuluri V N H Ravi. <b>Reflections des ERA</b> Journal of Mathematical Sciences, Volume-5, Issue-4,2010, Pages289-308.	National Journal

			L-Fuzzy (Binary) Relations, Equivalences and Partitions, and Their Representations. Nistala V E S Murthy and Pusuluri V N H Ravi. <b>International Journal of Computational Cognition</b> , Vol.9, No 1, 2011, Pages 1-25.	International Journal
			Galois Connection Between L-Fuzzy Partitions and L-Fuzzy Equivalence Relations. Nistala V E S Murthy and Pusuluri V N H Ravi. <b>National Conference</b> on Recent Trends In Applications Of Mathematics In Science and Technology, April 15-16, 2011, GITAM University, Visakhapatnam, AP, India.	National Conference
			Representation of L-Fuzzy Partitions. Nistala V E S Murthy and Pusuluri V N H Ravi. <b>State level -seminar</b> on Graph Theory & it's Applications held at S K S D Mahila Kalasala (Degree & PG), Tanuku, AP State, India (29/12/2011).	National Conference
			Lagois Connection Between i-covers and Tolerances. Nistala V E S Murthy and Pusuluri V N H Ravi. <b>National Conference</b> on Mathematical & Computational Sciences, Adikavi8 Nannaya University, Rajahmundry, AP (06/07/2012-07/07/2012).	National Conference
			Lagois Connection Between (L-Fuzzy) i-covers and (L-Fuzzy) Tolerances. Nistala V E S Murthy and Pusuluri V N H Ravi. <b>National Conference</b> on Mathematical & Computational Sciences, Adikavi8 Nannaya University, Rajahmundry, AP (06/07/2012-07/07/2012).	National Conference

			Tolerances on Infinite Sets in terms of Certain types of Covers, Pusuluri V N H Ravi, International Conference on Algebra and Applications-2014, Andhra University, Visakhapatnam, AP(29/04/2014-01/05/2014)	National Conference
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Number of papers published in peer reviewed journals (national/international) by faculty and students-**20 in last 4** .

S.No.	Name of the Faculty	Area	No. of Publications/Presentation
1	Dr.P.V.N Hanumantha ravi	Mathematics	8
2	Dr.V.V.Hanumantha Rao	English	11
3	Ms.T.Sajani		
4	Mr.P.Sivanjaneyulu		
5	Sri.B.Sasi Bhushan	Physics	3

\* 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.)

- \* Monographs
- \* Chapter in Books
- \* Books Edited
- \* Books with ISBN/ISSN numbers with details of publishers
- \* Citation Index
- \* SNIP
- \* SJR
- \* Impact factor
- \* h-index

S.No.	Name of the Faculty	Area	Title of the Book Published and ISBN No.	Publisher
1.	Dr.P.Sreenivasa Rao	Physics	Basic Engineering physics ISBN-978-93-5142-186-3 year-2013	Himalaya Publications House

			Basic Engineering physics Volume-I ISBN -978-93-5097- 032-4 Year-2012	
			Basic Engineering physics Volume-II ISBN -978-93- 5097-033-1Year- 2012	

20. Areas of consultancy and income generated: **NA**

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards

**Dr.V.V Hanumantha Rao**, Professor of English, has been editing (Chief Editor) a bilingual, bi monthly cultural magazine “SUPATHA” which publishes articles of high literary standard in Telugu and English, for more than 16 now. **Dr.V.V Hanumantha Rao** has been nominated member of Board of Studies of Sri Vishnu Engineering College for Women (Autonomous), Bhimavaram.

**Dr.V.V Hanumantha Rao** has membership of two international organizations, viz., the UK based IATEFL (International Association of Teachers of English as a Foreign Language) and the USA based NCTE (National Council of Teachers of English) for 3 now: he holds life membership of CLAI (Comparative Literature Association of India), New Delhi and also ELTAI Literature SIG (Special Interest Group) membership.

22. Student projects: **NA**

- Percentage of students who have done in-house projects including inter departmental/programme
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

23. Awards / Recognitions received by faculty and students

**Mr. P.Sivanjaneyulu**, Asst. Professor of English, was awarded **gold medal** for “the best M.Phil. work in English” from Acharya Nagarjuna University , Guntur, in the 32<sup>nd</sup> Convocation held on 10-01-2013.

**Sri B.Rama Gopal, ( Asst.Professor) was awarded Best Physical Director Award by J.N.T.U.K Kakinada in the year-2012**

**Mr.P.Sita Rama Raju**, Associate Professor of physics delivered live sessions for first year B.Tech Engg.Physics in Jntuk, Kakinada at CoEeRD Studio on 10, 11 and 12 march-2015.

**Dr.A.Janardhan Rao**, Associate professor of chemistry delivered live sessions for first year B.Tech Engg.Chemistry in JNTUK, Kakinada at CoEeRD Studio on 13 and 14 march-2015

24.List of eminent academicians and scientists / visitors to the department

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National
- b) International

26. Student profile programme/course wise:NA

27. Diversity of Students

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? –NA

29. Student progression

30. Details of Infrastructural facilities:

- a) Library-**Using Central library**
- b) Internet facilities for Staff & Students-**12Mbps from railtel 20Mbps from BSNL**
- c) Class rooms with ICT facility : The Campus is WiFi enabled & one e-class room
- d) Laboratories-**Physics and Chemistry section for 1<sup>st</sup> year B.tech**

31. Number of students receiving financial assistance from college, university, government or other agencies- **more than 60% of students receive fee reimbursement. College gives consideration in the tuition fee, hostel fee, and bus transport to deserving students.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts-

**1. Special lecture on Attitude&Personality development by Dr.Sayi Sree, observer, telugu book of records from 08/12/2014-10/12/2014.**

**2. A special video lecture on Ramanujan's Life History on 22<sup>nd</sup> December-2014(Ramanujan's 127<sup>th</sup> birthday celebrated as National Mathematics day)**

33. Teaching methods adopted to improve student learning:

During Lecturing faculty uses PPTs and arranges special sessions for video lectures as and when the need arises. Often handouts are distributed to students for supplementary reading.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities-**Yes**

35. **SWOC analysis of the department and Future plans-**

- Department of BS&H has strong faculty, which has a strength of 45members, belonging to English, Mathematics, Physics, Chemistry, Environmental-Sciences & Physical Education.

- There are four Doctorates and many of the members are pursuing higher studies to improve their qualifications and are very active in attending quality improvement programs sponsored by various Govt. agencies.
- Apart from regular teaching activities, many of the faculty members are actively associated with training, placement programs and counseling of students.
- Some of the senior members are acting as resource persons and are on various boards of autonomous colleges.



## Evaluative Report of the Department

1. Name of the Department : **MASTER OF BUSINESS ADMINISTRATION**

2. Year of Establishment : **2006**

3. Names of Programmes / Courses offered: **PG- MASTER OF BUSINESS ADMINISTRATION**

4. Names of Interdisciplinary courses and the departments/units involved: No

5. Annual/ semester/choice based credit system (programme wise):

**MBA – Semester System**

6. Participation of the department in the courses offered by other departments

S. No.	Program	Course Offered by Other Depts.,	Subjects Taught
1	B. Tech.	CSE, ECE, EEE, IT	Managerial Economics & Financial Analysis, Intellectual Property Rights, Management Sciences
		Civil, Mechanical	Managerial Economics and Financial Analysis, Intellectual Property Rights
2	PG	Master Of Computer Applications	Accountancy and Financial Management, Organizational Structure and Human Resource Management

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	01	01
Associate Professors	02	04
Asst. Professors	13	11

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. G.V. Subba Raju	MBA, Ph.D	Professor & HOD	Marketing	21
2	Mr.V. Kiran Kumar	MBA, M.Phil	Assoc. Prof.	Finance & Marketing	12
3	Dr. S. Krishna Murthy Naidu	MBA, Ph.D	Assoc. Prof.	HRM & Marketing	13

4	Dr. B. Ravi Kanth	PGDM, M.Sc (App. Psy.) Ph.D	Assoc. Prof.	HRM & Marketing	12
5	Dr. R.S.R.K. Kiran Kumar	MBA, Ph.D	Assoc. Prof.	Decision Support Systems	12
6	Mr.A.V.S. Kishore Kumar	MBA, M.Phil	Sr. Asst. Prof.	Marketing	13
7	Mr.D. Satyanarayana	MA, M.Com, MBA, ICWAI(I), SET	Sr. Asst. Prof.	Finance	13
8	Mr.D. Naveen Kumar	MBA, NET, SET	Asst. Prof.	Marketing & Finance	5
9	Mr.R.V. Raja Sekhar	MBA,NET, SET	Asst. Prof.	Finance & Marketing	5
10	Ms.V. Saranya	MBA, (M.Com)	Asst. Prof.	Finance & Marketing	3
11	Mr.U. Bhargava	MBA	Asst. Prof.	Marketing & Finance	5
12	Mr.G. Neelima	MBA, SET (Ph.D)	Asst. Prof.	Hrm & Marketing	4
13	Ms.R.S.V. Rama Swathi	MBA, NET (Ph.D)	Asst. Prof.	HR & Marketing	4
14	Mr.E. Suresh	MBA	Asst. Prof.	Finance & Marketing	4
15	Mr.K. Rambabu	MBA	Asst. Prof.	Finance & Marketing	6
16	Ms.K. Malleswaramma	MBA	Asst. Prof.	Finance & HR	2

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme-wise) by temporary faculty : **Nil**

13. Student -Teacher Ratio (programme wise):**15:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic support staff (Technical)		-
Administrative staff		
a. DEO	1	1
b. Attender	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

No. of Faculty with D.Sc / D. Litt	No. of Faculty with Ph.D	No. of Faculty with M.Phil	No. of Faculty with PG (MA/ M.Com / M.Sc/ MBA)
----	4	2	10

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: **The college facilities are being used by the faculty to pursue their Ph.D programs with the Universities.**

19. Publications (Last 4 Years):

a) Publication per faculty

S.No.	Name of the Faculty	No. of Publications	Books with ISBN / ISSN numbers with details of publishers	No. of Publications with Impact factor
1	Dr. G. V. Subba Raju	7		
2	Mr.V. Kiran Kumar	3	ISBN 978-93-82338-09-3 ----- ISBN: 978-81-922-146-4-1 (Himalaya Publishing)	
3	Dr. S. Krishnamurthy Naidu	10	ISBN: 978-93-82163-24-4 Paramount Publishing House, Hyderabad	
4	Dr. B. Ravikanth	06		1
5	Mr.D. Satyanarayana	01		
6	Dr. RSRK Kiran Kumar	02		
7	Mr.D. Naveen Kumar	02		
8	Mr.R. V. Rajsekhar	02		
9	Mr.U. Bhargav	04		
10	Ms.V. Saranya	02		
11	Ms.G. Neelima	02		
12	Ms.R. Swathi	04		

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: **Nil**

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 faculty: **Nil**

Awards / Recognitions received by Students: **YES**

**2014-15**

S.No.	College name & Event	Date	Activity	Name of the participants	Prizes
1	Pydah College of Engineering and Technology. Visakhapatnam. "New Era Management-Innovative Perspective"	18 <sup>th</sup> Sept 2014	Paper Presentation	I.Joythi Manasa	First
2	Adikavi Nannaya University, Rajahmundry <b>A - DROIT'14</b>	12th & 13th Nov, 2014	Brain Storm	G. Suma	Winners
			In Basket Methods	G. Monika Priya	Runner
3	Swarnandra college of Engineering & Technology, Narasapur <b>TECHNOSCET- 2K14</b>	6th Dec, 2014	Dream Wizz (B - Plan)	Ch. Vidhya Srilekhya Devi	First
				V. Subrahmanyam	First
				G. Suma	First
			JNANA (B - QUIZ)	G. Suma	Second
				V. Subrahmanyam	Second
				M. Durga Prasad	Second
4	Ramachnadra College of Engineering, Eluru <b>Embraks 2014</b>	20 <sup>th</sup> December 2014,	Paper Presentation	I. Joythi Manasa	First

## 2013-14

S.No.	College name & Event	Date	Activity	Name of the participants	Prizes
1	Miracle Educational Society Group of Institution, Vizianagaram (VYUHA – 2014)	18th, 19th, March, 2014	Finance	P. Durga Prasad	Second
				G. Venkatesh	
2	Rajiv Gandhi Institute of Management and Science, Kakinada (CAUCUS 2014)	22nd, 23rd, March, 2014	Eagle Brain	A. Lakshmi Tejaswi	First
				P. Hindava Bharathi	
			Mercadeo	P. Hindava Bharathi P. Durga Prasad	First
3	SRK Institute of Technology, Vijayawada (Tech-fest)	28 <sup>th</sup> , 29 <sup>th</sup> March	Young Manager	V. Bhavya Krishna Chowdary	First

## 2012-13

S.No.	College name & Event	Date	Activity	Name of the participants	Prizes
1	Nannayya University, Rajahmundry (INVICTUS'12)	12 <sup>th</sup> & 13 <sup>th</sup> oct 2012	Ad-Wars	S.R.Aishwarya	First
				K. Seshendra	
				G.S Chandra Sekhar	
			Market Makers	Sai Prasanthi	First
				Md. Waheed	
			Tower Bloxx	G.S.Chandra Sekhar	First
				P.Murali Krishna N.V.S.S.H. Veerraju	
Young Manager	S.R.Aishwarya	Second			
Singing	K. Seshendra	Second			

2	Sasi Institute of Technology and Engineering, Tadepalligudem (SMART – 2013)	22 <sup>th</sup> & 23 <sup>rd</sup> Feb, 2013	Speak Extempore	A. Lakshmi Tejaswi	First
			Samkalpa (Business Plan)	K. Seshendra	Second
				S.R. Aishwarya	
			Srujana (Ad Making)	S.R. Aishwarya	Second
				K. Seshendra	
			Tandava Dance	D. Mary Prasanna	First

2011-12					
S.No.	College name & Event	Activity	Date	Name of the participants	Prizes
1	A.P. State Police Department, Tadepalligudem (Anti Ragging)	Anti Ragging	5 <sup>th</sup> Sept 2011	P. Anuradha (I MBA)	Third
2	Adikavi Nannayya, Rajahmundry (Busy-buzz)	Market Makers	21 <sup>st</sup> and 22 <sup>nd</sup> Sept 2011	P. Sai Harish (I MBA)	Second
		Tower Building	21 <sup>st</sup> and 22 <sup>nd</sup> Sept 2011	M. Ravisekhar (I MBA)	Second
				BSKV Reddy (I MBA)	
3	KL University, Vijayawada (Samyak)	Business Architects	13 <sup>th</sup> and 14 <sup>th</sup> Oct 2011	P.Sai Harish (II MBA)	First
				B. Nissi (II MBA)	
4	Gitam University, Visakhapatnam (GEM)	Cache	17 <sup>th</sup> and 18 <sup>th</sup> Feb 2012	P.Sai Harish (II MBA)	First
				K.Santosh (II MBA)	
5	Sir.C.R.R College, Eluru (Techfest-2012)	Paper Panache	9 <sup>th</sup> Mar 2012	T.Dileep (II MBA)	Second

2010-11					
S.No.	College name & Event	Activity	Date	Name of the participants	Prizes
1	Vignan University, Guntur ( <b>Vignan Mahotsav</b> )	Paper Presentation	27 <sup>th</sup> & 28 <sup>th</sup> Feb. 2011	V.Ramya Sudha (I MBA)	Runner
2	Swarnandhra, Narasapur ( <b>Sankalpa</b> )	Stock Game	10 <sup>th</sup> and 11 <sup>th</sup> March 2011	Naga Raju (II MBA)	First
				Kiranmai (II MBA)	
				Divya (II MBA)	
		Case Analysis	10 <sup>th</sup> and 11 <sup>th</sup> March 2011	Sai Latha (II MBA)	First
				Dheeraj (II MBA)	
Young Manager	10 <sup>th</sup> and 11 <sup>th</sup> March 2011	T.Raju (II Mba)	Second		
Paper Presentation	10 <sup>th</sup> and 11 <sup>th</sup> March 2011	Sai Latha (II MBA)	Second		
		Kiranmai (II MBA)			
3	SIR.C.R.R.College of Engg. Eluru ( <b>TECHFEST</b> )	Uddanda	12 <sup>th</sup> and 13 <sup>th</sup> March 2011	Sai Latha (II MBA)	Second
4	AU Campus, Kakinada ( <b>Asthra</b> )	Pick It Up and Stick It Up	29 <sup>th</sup> and 30 <sup>th</sup> March 2011	B.Lakshmanarao (I MBA)	Runner
5	Akkula Gopayya, Tadepalligudem ( <b>BE AN ENTREPRENEUR</b> )	Business Plan	7 <sup>th</sup> and 8 <sup>th</sup> April 2011	P.Sai Harish (I MBA)	First
		Business Quiz	7 <sup>th</sup> and 8 <sup>th</sup> April 2011	S.NOagalakshmi (II MBA)	Second
				Sai Latha (II MBA)	
				Dheeraj (II MBA)	

**Cash Awards:** The top 3 students of each class for each semester are awarded cash prizes by the Management.

## 24. List of eminent academicians and scientists/ visitors to the department

<b>2013-14</b>				
<b>S.No.</b>	<b>DATE</b>	<b>NAME OF THE SPEAKER</b>	<b>TOPIC</b>	<b>DEPARTMENT</b>
1	27-12-2013	Prof. S.V.D. Nageswara Rao	“Knowledge Management in Banking Sector ”	Professor , IIT, Bombay
2	28-12-2013	Mr.Srinivasa Kishan Anupu	“Knowledge Management in Modern Era”	CEO , Big Data Solutions
3	28-12-2013	Prof. S.S. Rao	“Knowledge Management in Library Sciences ”	ICSSR Senior Fellow & Former Head, Dept. of Library & Information , Osmania University
4	06-01-2014	Mr.Trikala Chenna	“Do Good Deeds and Tips for Career Development”	Director, Global support Organization
5	10-04-2014	Dr. Sriram Kothapalli	“Insights of Six Sigma”	Vice – President, ITC Infotech (P) Ltd.
6	19-04-2014	Dr. K.V. Subba Raju	“Communication skills”	Professor ( retired) S.R.K.R. Engineering College, Bhimavaram
7	26-04-2014	Mr.Sumanth Muvvala	“Industry Analysis”	Alumni of ISB, Indian School of Business
<b>2012-13</b>				
1	25-01-2013	N. Praveen Kumar	“Global Finance Market”	AVP – Research, NOSTRO Forex, Hyd.
2	12-04-2013	Loyed	“Employability Skills”	Director (HR), NISUM Tech.
<b>2011-12</b>				
1	26-03-2012	Mr.Srinivas Vuppala	“Industry Expectations”	Vice President, Relevance Labs

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding

a) National : **01**

<b>S.No.</b>	<b>Type of Event</b>	<b>Title of the Seminar</b>	<b>Sponsered Authority</b>	<b>Date of Organisation</b>	<b>ISBN No &amp; Publisher Details</b>
1	National Seminar	Knowledge Managemewnt In Modern Era	AICTE	DEC 27 & 28, 2013	ISBN: 978-93-82163-91-6 PARAMOUNT PUBLISHERS HYDERABAD



b) International: **NIL**

26. Student profile programme/course wise: NA

27. Diversity of Students

Year of Admissions	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2014-15	MBA	100%	---	---
2013-14		100%	---	---
2012-13		100%	---	---
2011-12		100%	---	---

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			
		2014-15	2013-14	2012-13	2011-12
PG to M. Phil.		-	-	-	-
PG to Ph.D.		-	-	-	-
Employed	Campus selection	6.6 (5/75)	1 (1/92)	18 (17/94)	16.3 (9/55)
	Other than campus recruitment	-	11.9 (11/92)	5.3 (5/94)	27.2 (15/55)

30. Details of Infrastructural facilities

a) **Library:** Yes

	No. of Titles	No. of Volumes
Dept. Library	348	607

b) **Internet facilities for Staff & Students:**

- BSNL Broad Band – 20 MBPS
- Rail-tel Leased-line (1:1) - 12 MBPS leased line

c) **Class rooms with ICT facility: 1 room**

**d) Laboratories**

S. No.	Name of the Laboratory	Area ( Sq. Mts)	Total Investment (Rs.)
1	MCA / MBA Computer Lab	175SqM	10,57,140 /-

31. Number of students receiving financial assistance from college, university, government or other agencies:

Agency	No. Of students received Financial Assistance			
	2014-15	2013-14	2012-13	2011-2012
Government of AP	64	143	137	109

**Note: The college management gives concessions to students regarding college fee, hostel fee and transportation fee for deserving poor students.**

32. Details on student enrichment Programmes (special lectures / workshops / seminar) with external experts:

Year	Name of the resource person	Title of the programme	Special lecture/seminars/workshops	Date's	No. benefited
2014-15	Dr. J. Edukondala Rao Asst. Professor from Ethiopia, University of Gondar	Retail Management	Guest Lecture	13.09.2014	70
	Mr.D. Satyanarayana HR Executive – NIIT Technologies, Bangalore	Building Self-Confidence	Guest Lecture	09-01-2015	70
2013-14	Prof.S.V.D.Nageswararao Professor , IIT, Bombay	“Banking & Insurance: Opportunities”	Seminar	27.12.2013	143
	CEO Big data solutions Srinivasa Kishan	“Role of Business Management Students in Corporate World”	Seminar	28.12.2013	133
	Prof. D. Suryachadra Rao, Registrar, Krishna University	“Interview Skills”	Seminar	28.12.2013	133
	Mr.K. Nagesh HR Manager , Parker, Hanifinn	“Knowledge Management in Manufacturing Sector”	Seminar	28.12.2013	133
2012-13	Mrs. Y. Sravanthi Asst. Manager, ICICI Bank, Hyd	Career Prospects in Banking Sector	Guest Lecture	29.01.2013	55

	Mr.K.Jaya Deva Rao Mentor, Globerena Techno PVT. LTD.	Soft skills and Career Planning Programme	Special lecture	30.01.2013 & 31.01.2013	73
2011-12	Mr.Garikapati Bapayya Sarma Office Supervisor, LIC of India, Tadepalligudem	Managemnt Vs Leadership	Guest Lecture	16.11.2011	60
	Mr.Srinivas Vuppala Vice President, Relevance Labs	Career Opportunities	Special lecture	26.03.2012	85
	Mr.K. Satyanarayana Honorary Director, NHRD Network	Ethics and Values	Guest Lecture	30.04.2012	55

## 33. Teaching methods adopted to improve student learning

- ICT
- Group discussions / Team Assignments
- Case-study
- Brain storming
- Business Quiz
- Exposure of presentation and communication skills
- Motivating to access latest online journals, reference materials and help them to understand the emerging trends in their field of study
- Organizing industry visits for showing practical implementation of theoretical study.

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Year	Name of the activity	Venue	Date's	No of students participated
2014-2015	Blood donation camp	SVEC Campus	04-07-2014	05
	Contribution to AP capital formation fund	SVEC Campus	Month of August	MBA students & staff
2011-2012	Blood donation camp	SVEC Campus	29-02-2012	06
	Blood donation camp	SVEC Campus	03-08-2011	08

## a) Entrepreneurship Development Cell Activities:

S.NO	NAME OF THE PROGRAMME	DATE OF THE PROGRAMME	RESOURCE PERSON	INDUSTRY NAME
1	3 day Entrepreneur Awareness Camp	23-02-2012 to 25-02-2012	Anil kumar	Organized by CED Hyderabad and Supported by National Science and Technology Entrepreneurship Development Board (NSTEDB)
2	Entrepreneurship Orientation Program	25 <sup>th</sup> , 26 <sup>th</sup> June 2014	Mr. G. Sudarshan	National Small Industries Corporation (NSIC), Govt., of India
3	Exploring Entrepreneurship Opportunities in AP	23 <sup>rd</sup> & 24 <sup>th</sup> December, 2014	Dr. K.V. Ramana Program Director, Center for Entrepreneurship Development JNTUK	JNTUK

## 35. SWOC analysis of the department and Future plans

**Strengths of Department:**

1. Highly Qualified and Dedicated Faculty.
2. Participation of Faculty in Seminars and Publications
3. Active participation by students in Inter-collegiate competitions
4. Adopting modern teaching methodologies for effective teaching learning process.
5. Academic flexibility for final year students to pursue Summer Internship by choosing specialization relating to Marketing, Finance and HR.
6. Dedicated Faculty for the purpose of Industry Institute Interaction for Industry Visits, Students Projects, and Placement Opportunities.
7. Active Alumni for Industry Institute Interaction.
8. Department has its student association and regularly conducts programs and events which are student centric.
9. Consistent Academic Performance in University Results

**Weakness:**

- The academic staff should focus more on research and subsequent quality publications
- The Junior faculty needs to engage in refresher courses
- Lack of Industrial Units nearby

**Opportunity:**

- To design short term courses for working professionals
- As our college is recognized under 2f 12(B) of UGC ACT, college faculty can pursue research projects/research funding.

**Challenges:**

- As the students belong to rural areas, raising their communication standards is a constraint and challenge.
- Increase scope of Industry-Institute relationship.
- To produce qualitative and industry ready professionals
- 100% placements for MBA students

**Future plans**

- To emerge as an Autonomous B-School.

## Evaluative Report of the Department

1. Name of the department : **Master of Computer Applications**
2. Year of Establishment : **2006**
3. Names of Programmes /  
Courses offered : **PG: MCA(Master of computer Applications)**
4. Names of Interdisciplinary courses  
and the departments/units involved : **No interdisciplinary programs offered**
5. Annual/ semester/choice based  
credit system (programme wise) : **MCA: Semester System**
6. Participation of the department in  
the courses offered by other  
departments : **Offers computer related courses to students of  
MBA**
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	-	-
Associate Professors	01	-
Asst. Professors	08	05
Total	09	05

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Experience
Mr.B.Madhav Rao	M.Tech	Asst. Prof.	CSE	10
Mr.R.L.Phani Kumar	M.Tech	Asst. Prof.	CSE	12
Ms.R.Sarada	M.Tech	Asst. Prof.	CSE	08
Mr.B.V.Balaji	M.Tech	Asst. Prof.	CSE	07
Mr.Ch.Veerendra Kumar	M.Tech	Asst. Prof.	CSE	06

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 : **15:1**

14. Number of academic support staff (technical) and administrative staff sanctioned and filled : **2 members**

Designation	Sanctioned
Programmer	1
Attender	1

15. Qualifications of teaching faculty with PG: **M. Tech.: 05**

Qualification	No. of Teaching Faculty
Ph. D	0
PG -M. Tech	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) Publication per faculty  
Academic Year (2014-15) : Nil  
Academic Year (2013-14)

S. No.	Faculty Name	National Conferences / International Conferences/International Journal	Title	Details (Date & Year)	Reference
1	Mr.B.V.Balaji	International Journal	Improved Classification Based Association Rule Mining	Vol. 2, Issue 5, May 2013	IJARCCCE
2	Mr.CH.Veerendra Kumar	International Journal	Statistical Analysis of secret message hiding in Steganography using Asymmetric Crypto Systems	Vol 4, No 8 May, June 2013	IJARCS
3	Mr.B.Madhava Rao	International Journal	A Hash Based Frequent Item set Mining using Rehashing.	ISSN: 2321-8169 Volume: 2 , Issue: 12 4198 – 4204	IJRITCC

b) Number of papers published  
in peer reviewed journals  
(national /international) by  
faculty and students :Nil

20. Areas of consultancy and  
income generated : Nil

21. Faculty as members in : Nil  
a) National committees : Nil  
b) International Committees : Nil  
c) Editorial Boards : Nil



## 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : **100%**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : **Nil**

## 23. Awards / Recognitions received by faculty and students

**: Top 3 students of each class in each semester are awarded Cash Prizes of Rs.1000, Rs.750, Rs. 500 by the college.**

## 24. List of eminent academicians and scientists / visitors to the department

S.No.	Name of Eminent Academician/Scientist/Visitor to Department	Date of Visit
1.	Mr.Thomas Solomon, Director – Education Solution Architech – Enterprise Key Accounts, Oracle India Pvt. Ltd.	05-11-2014
2.	Mr. Y Venu, IBM Certified Professional,Director, Pinnacle NanoTech India Pvt.Ltd.	16-09-2014
3.	Mr. P.V.Sita Rama Srinivas, Talent Cafe Technologies, Bangalore	01-09-2014
4.	Mr.P.S.K. Varma, Techsophy, Hyderabad	16-08-2014
5.	Mr. V. Srinivasa Prasad, Head – Facilities, Open Text Technologies, Hyderabad	16-08-2014
6.	Mr. Satya Thopalli, RMG Campus, Tech Mahindra Pvt.Ltd	18-07-2014
7.	Dr. Sriram Kothapalli, Vice President and Global Head(Quality), ITC Infotech Ltd, Bangalore	10-04-2014
8.	Mr. Srinivas Kishan Anapu, CEO, Voice of Big Data Solutions, Hyderabad	17-03-2014, 27-12- 2013
9.	Mr. Srikanth Surampudi, HR Regional, TCS, Hyderabad	05-03-2014
10.	Mr. Rama Evani, DST Worldwide Services	23-03-2013
11.	Mr. Lloyd Dooland Nisum Technologies, Hyderabad	02-02-2013
12.	Dr.V Vijaya Kumar,	08-01-2013

	Academic Dean, GIET ,Rajamundry	
13.	Dr.M.S.Sastry, Emeritus Professor, Cookeville Tennessee, U.S.A	30-11-2012
14.	Mr. Rahul Sachdev, National Manager,SAP India Pvt.Ltd., Bangalore	17-10-2012
15.	Mr.J. Nagababu, Project Engineer, Wipro Technologies	21-09-2012
16.	Dr. C.V Sastry, Retired Professor, NIT Rourkela	08-08-2012
17.	Mr. Eswar Prabhakar, HCL Technologies	14-07-2012
18.	Dr. Ch.Rupa, VVIT, Guntur	28-02-2012
19.	Dr. Suresh Chandra Satapathy, Professor and Head, ANITS,AP	08-08-2011
20.	Mr. A.Krishna Mohan, JNT University, Kakinada	05-02-2011

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding

## a) National:

S.No.	Title of Event	Name of Resource Person(s)	Date	Source of Funding
1	One Day Workshop on "UML & DP using IBM Rational Tools"	Mr. Y. Venu, IBM Certified Professional, Director, Pinnacle Nano Tech. India Pvt. Ltd.	16-09-2014	College
2	3-day JKC Workshop on "IBM DB2"	JKC Team, Hyderabad	23-09-2014 to 25-09-2014	-
3	2-day JKC Workshop on "Cloud Computing"	JKC Team, Hyderabad	08-10-2014 To 09-10-2014	-
4	2-Day Workshop on "Data Warehousing Tools- BI and Informatica"	Mr. Sandeep Maturi, Mr. B Raghu Narayana, SLK Software Services Pvt Ltd., Bangalore	28-09-2012 To 29-09-2012	College
5	3-day Android Mobile	Coign Edu & IT Services Pvt. Ltd.,	10-01-2013 To	-

	Application Development Workshop	Hyderabad	12-01-2013	
6	Workshop On Ethical Hacking And Cyber Forensics	CyberCure Solution Delhi	16-12-2011 to 17-12- 2011	-
7	3-day Workshop on "IBM Technologies	In Collaboration with IBM and IEG	21-06-2010 to 23-06-2011	College

b) International : Nil

26. Student profile programme/course wise: NA

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
-	-	-	-	-	-

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
MCA	100%	0%	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			
		2014-15	2013-14	2012-13	2011-12
PG to M. Phil.		-	-	-	-
PG to Ph.D.		-	-	-	-
Employed	Campus selection	33.3 (6/20)	-	4.5 (1/22)	20 (6/30)
	Other than campus recruitment	-	11.5 (3/26)	27.2 (6/22)	30 (9/30)

## 30. Details of Infrastructural facilities

- a) Library : Nil
- b) Internet facilities for Staff & Students : Yes  
 Railtel leased line(1:1) : 12 Mbps  
 BSNL Broadband : 20 Mbps
- c) Class rooms with ICT facility  
 Campus is Wifi-Enabled : Yes
- d) Laboratories : 1 MCA Lab

S.No.	Name of the Laboratory (No. of Computers)	Area	Cost
1	Computer Programming Lab (63)	225 Sq.mt	11,09,997/-

S.No.	Software Specifications	Number Purchased	Cost
1	Operating System : Windows 7	MSDN	Rs.45,000
2	IBM RSA(Rational Software Architect)	30 Users	Rs.1,75,000
3	Oracle 11g suite	100 Users	Rs.34,377
4	Visual Studio suite	MSDN	---
5	IBM Rational Rose Suite	30 Users	Rs.3,06,720
Total cost			Rs.5,61,097

31. Number of students receiving financial assistance from college, university, government or other agencies :

- **More than 60 % of students are receiving financial assistance from the government**
- **The College Management gives concessions in Tuition Fee, Hostel Fee and Bus Transport to deserving poor students.**

Academic year (2013-14)	Academic year (2012-13)	Academic year (2011-12)
10	24	36

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts : Yes

**Details of Special Training Sessions Organized**

Academic Year 2014-15				
S.No.	Student Enrichment Course	Organization Name	Date & Duration	Target Audience
1	Oracle WDP Java 7 Phase-1	Oracle India Pvt. Ltd.	21/08/14 to 26/08/14 (20 Hours Training)	III year MCA 23 Students
2	Oracle WDP Java 7 Phase-2		09/10/14 to 14/10/14 (20 Hours Training)	

**Details of Guest Lectures Organized:**

Academic Year 2014-15					
S.No.	Title of Guest Lecture	Name of Resource Person, Organization Name	Date	Target Audience	No of students attended/participated
1.	An Insight to Cloud Computing	Dr. Y.S.S.R. Murthy, Academic Dean, Head, CSE, Sri Vishnu College for Women, Bhimavaram	30-06-2014	Final year MCA	23
2.	Placement Oriented Talk	Mr. Satya V. Thopalli, RMG Campus, Tech Mahindra Ltd, Hyderabad	18-07-2014	Final year MCA	23
3.	Industry Requirements	Mr. P. V. Sita Rama Srinivas, Talent Cafe Technologies, Bangalore	01-09-2014	Final year MCA	23
4.	CSI Organized Personality Development Session by "Spirituality in Computers Era"	Dr Garikipati Narasimha Rao, Spiritual Orator	11-10-2014	2 <sup>nd</sup> year MCA	13

<b>Academic Year 2013-14</b>					
<b>S.No.</b>	<b>Title of Guest Lecture</b>	<b>Name of Resource Person, Organization Name</b>	<b>Date</b>	<b>Target Audience</b>	<b>No of students attended/participated</b>
1.	Facing Interview, Tips and Tricks	Mr. Srinivas Krishna Anapu,CEO, Voice of Big Data Solutions, Hyderabad	27-12-2013	2 <sup>nd</sup> year MCA	23
2.	Interactive Session on Industry Requirements	Mr. Srikanth Surampudi HR Regional, TCS, Hyderabad	05-03-2014	2 <sup>nd</sup> year MCA	23
3.	Big Data: Frontier for Innovation	Mr. Srinivas Kishan Anapu, CEO, Voice of Big Data Solutions, Hyderabad	17-03-2014	Final year MCA	47
4.	Quality Engineering	Dr. Sriram Kothapalli, Vice President and Global Head(Quality), ITC Infotech Ltd, Bangalore	10-04-2014	2 <sup>nd</sup> & Final year MCA	70

<b>Academic Year 2012-13</b>					
<b>S.No.</b>	<b>Title of Guest Lecture</b>	<b>Name of Resource Person</b>	<b>Date</b>	<b>Target Audience</b>	<b>No of students attended/participated</b>
1.	Scrum Agile Technologies	Mr.Eswar Prabhakar, Senior manager, HCL Technologies	14-07-2012	Final year MCA	50
2.	Clustering Techniques in Data Mining	Dr. C.V Sastry Retired Professor, NIT Rourkela	08-08-2012	Final year MCA	50
3.	Knapsack problems and its applications to	Dr. C.V Sastry Retired Professor, NIT Rourkela	08-08-2012	2 <sup>nd</sup> year MCA	47

	Network Security				
6.	Human Computer Interaction through Microsoft Speech API, CSI Student Chapter	Mr.J Naga Babu, Project Engineer, Wipro Technologies	21-09-2012 Forenoon	Final year MCA	63
7.	Deploying J2EE Web Application using Eclipse IDE,CSI Student Chapter	Mr. J Naga Babu, Project Engineer, Wipro Technologies	21-09-2012 Afternoon	2 <sup>nd</sup> year MCA	47
8.	SAP as an Organization & SAP TECHNIVERSITY EVENT	Mr. Rahul Sachdev, National Manager, SAP India PVT Ltd, Bangalore	17-10-2012	Final year MCA	50
9.	Interactive Guest Lecture	Dr.M.S.Sastry, Emeritus Professor, Cookeville Tennessee, U.S.A	30-11-2012	Final year MCA	50
11.	Courage and Wisdom	Mr. Lloyd Dooland Nisum Technologies, Hyderabad	02-02-2013	Final year MCA	50
12.	Interactive Session on Industry Requirements	Mr.Srikanth Surampudi ILP Head, TCS, Hyderabad	08-02-2013	Final year MCA	50
13.	Industry Updates	Mr.Rama Evani, DST Worldwide Services	23-03-2013	Final year MCA	50

Academic Year 2011-12					
S.No.	Title of Guest Lecture	Name of Resource Person	Date	Target Audience	No of students attended/ participated
1.	Visual computing & Visual Programming	Mr. V.Nanda Kishore, Free Lancer Software Programmer	10-01-2012	2 <sup>nd</sup> year MCA	50
2.	Current Trends In Information Technology	Dr Ch. Rupa,VVIT, Guntur	28-02-2012	2 <sup>nd</sup> year MCA	50

3.	Demand for Mobile App's in Software Industry	Mr. Dileep	12-03-2012	Final year MCA	53
4.	Open Source Tools & Technologies	Mr. G. Siva	23-03-2012	Final year MCA	53

### Details of Workshops Organized

Academic Year 2014 - 2015			
S.No.	Date	Event Name	Event Summary
4.	16-09-2014	One Day Workshop on "UML & DP using IBM Rational Tools"	Mr.Y. Venu, IBM Certified Professional, Director, Pinnacle Nano Tech. India Pvt. Ltd.
5.	23-09-2014 to 25-09-2014	3-day JKC Training on "IBM DB2"	IBM DB2 Concepts covered By JKC Team, Hyderabad
6.	08-10-2014 To 09-10-2014	2-day JKC Training on "Cloud Computing"	Cloud Computing Concepts covered by JKC Team, Hyderabad
Academic Year 2012 - 2013			
1.	28-09-2012 to 29-09-2012	2-Day Workshop on "Data Warehousing Tools- BI and Informatica"	Data Warehousing using Business Intelligence and Informatica by Mr Sandeep Maturi, Mr B Raghunath Narayana, SLK Software Services Pvt Ltd., Bangalore
2.	28-09-2012 to 29-09-2012	IBM Rational Rose Seed Program	UML Concepts, Usage of Rational Rose Architect Software
3.	10-01-2013 To 12-01-2013	3-day Android Mobile Application Development Workshop	Android Mobile Application Development by V Vijaya Kumar, Coign Edu & IT Services Pvt. Ltd., Hyderabad
4.	16-03-2013	1-Day Workshop on "Network Certification & CCNA Implementation"	Various Network Certification Programs discussed and CCNA Implementation
Academic Year 2011 - 2012			
1.	16-12-2011 to 17-12-2011	2-day Hands-on Workshop on "Ethical Hacking and Cyber Forensics"	Ethical Hacking and Cyber Forensics topics covered in detail by CyberCure Solutions, Delhi

33. Teaching methods adopted to improve student learning :

- Add-on Programs done in lab by students



- Add-on topics discussed with real time examples.
- Daily One Tutorial per subject conducted where student groups are required to present the topic given to them.
- Assignments given to students.
- Regular Seminars by students.
- NPTEL Videos, COEeRD and QEEE Interactive Webinars used.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities : **yes**

35. SWOC analysis of the department and Future plans

**Strengths of the Department:**

- Constant encouragement given for faculty members in pursuing research leading to Ph.D.
- Good number of Faculty Enablement Programmes/ and student development programmes are conducted.
- Strong, Committed, Well Experienced Faculty.
- Very good infrastructure with library, computer lab and well equipped class rooms.

**Weaknesses of the Department:**

- Non proximity to industrial hubs.
- More Ph.D faculty may be included.
- Faculty involvement in collaborative research is not to required level

**Opportunities of the Department:**

- As College has 2F and 12B of UGC Acts, hence eligible for receiving UGC funds.
- Lot of Scope for consultancy and research

**Challenges of the Department:**

- Concentrating towards best Researcher.
- To keep pace with change in technology and updating knowledge by the faculty members
- Motivating more number of students to become Entrepreneurs.

**Future Plans**

- To considerably increase organizing of seminars/conferences and faculty development programmes to uplift the development of faculties as well as students.
- To attain 100% placement record for PG

### **Declaration by the Head of the Institution**

I certify that the data included in this Self – Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

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

Signature of the Head of the Institution

Place:Tadepalligudem

Date:10/03/2015.

**PART- F**  
**ANNEXURES**

# AICTE Latest Permission



*All India Council for Technical Education*  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-India.org](http://www.aicte-India.org)

F.No. South-Central/1-2013368788/2014/EOA

Date: 04-Jun-2014

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 2014-15

Ref: Application of the Institution for Extension of approval for the academic year 2014-15

Sir/Madam,

In supersession of the extension of approval issued for the academic year 2014-15 and 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	1-2013368788
		Permanent Id	1-4889341
Name of the Institute	SRI VASAVI ENGINEERING COLLEGE	Institute Address	PEDATADEPALLI, TADEPALLIGUDEM, TADEPALLIGUDEM, WEST GODAVARI, Andhra Pradesh, 534101
Name of the Society/Trust	SRI VASAVI EDUCATIONAL SOCIETY	Society/Trust Address	ROHINI MEDICAL AGENCIES COMPLEX, K.N.ROAD,TADEPALLIGUDEM,WEST GODAVARI,Andhra Pradesh,534102
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 2014-15

Application Number: 1-2013368788\*

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Letter Printed On:5 June 2014

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-India.org](http://www.aicte-India.org)

Application Id: 1-2013368788			Course	Affiliating Body	Inake 2013-14	Inake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status	
Program	Shift	Level		Full/Part Time						
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	DIGITAL ELECTRONICS AND COMMUNICATION SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	MACHINE DESIGN	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	POWER ELECTRONICS	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	36	36	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	POWER SYSTEMS CONTROL AND AUTOMATION ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI AND EMBEDDED SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	60	60	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	180	180	No	No	N

Application Number: 1-2013368788\*

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Letter Printed On:5 June 2014

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Application Id: 1-2013368788			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	180	180	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	60	60	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	No	No	N
ENGINEERING AND TECHNOLOGY	2nd Shift	DIPLOMA	CIVIL ENGINEERING	FULL TIME	State Boadr of Technical Education and Training, Hyderabad	60	120	No	No	N
ENGINEERING AND TECHNOLOGY	2nd Shift	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	State Boadr of Technical Education and Training, Hyderabad	120	120	No	No	N
ENGINEERING AND TECHNOLOGY	2nd Shift	DIPLOMA	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	State Boadr of Technical Education and Training, Hyderabad	60	60	No	No	N
ENGINEERING AND TECHNOLOGY	2nd Shift	DIPLOMA	MECHANICAL ENGINEERING	FULL TIME	State Boadr of Technical Education and Training, Hyderabad	120	120	No	No	N

Application Number: 1-2013368788\*

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Note: This is a Computer generated Letter of Approval.No signature is required.

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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  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-India.org](http://www.aicte-India.org)

Application Id: 1-2013368788			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	No	No	N
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	60	60	No	No	N

- 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 SRI VASAVI ENGINEERING COLLEGE shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and subsequently upload and update the student/ faculty/ other data on portal as per the time schedule which will be intimated by AICTE.

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. Kuncheria P. Isaac)**  
Member Secretary, AICTE

Copy to:

- The Regional Officer,**  
All India Council for Technical Education  
First Floor, old BICARD Building

Application Number: 1-2013368788\*

Page 4 of 5

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Jawaharlal Nehru Technological University  
Masab Tank, Hyderabad-500076

2. **The Director Of Technical Education,**  
Andhra Pradesh
3. **The Registrar,**  
Jawaharlal Nehru Technological University, Kakinada
4. **The Principal / Director,**  
SRI VASAVI ENGINEERING COLLEGE  
PEDATADEPALLI,  
TADEPALLIGUDEM,  
TADEPALLIGUDEM,WEST GODAVARI,  
Andhra Pradesh,534101
5. **The Secretary / Chairman,**  
SRI VASAVI EDUCATIONAL SOCIETY  
ROHINI MEDICAL AGENCIES COMPLEX, K.N.ROAD,  
TADEPALLIGUDEM,WEST GODAVARI,  
Andhra Pradesh,534102
6. **Guard File(AICTE)**

Application Number: 1-2013368788\*

Note: This is a Computer generated Letter of Approval.No signature is required.

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Letter Printed On:5 June 2014



# JNTUK-Kakinada, Permanent Affiliation

Grams: "TECHNOLOGY"  
 Email: registrar@jntuk.edu.in



Phone: 0884-2300900  
 Fax: 0884-2300901

PROCEEDINGS OF THE  
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
 KAKINADA-533 003, ANDHRA PRADESH (India)  
 (Established by Andhra Pradesh Act No.30 of 2008)

Proc.No. DAP/B1/Premt., Affi/SVEC-A8/2013-14

Date: 05.02.2014

- Sub: JNTU Kakinada – Academics & Planning – Grant/renewal of Permanent Affiliation from the academic year 2012-13 to "Sri Vasavi Engineering College, Pedatadepalli, Tadepalligudem, West Godavari District – Orders – Issued.
- Read: 1. AICTE Lr. F.No. South-Central/1-690002202/2012/EOA, Dt. 03.09.2012.  
 2. AICTE Lr. F.No. South-Central/1-1407358872/2013/EOA/Corrigendum-1, dated 10.04.2013  
 3. G.O.Rt. No.622, dated 21.08.2012 of the Technical Educational, Govt. of A.P.  
 4. Univ. Proc. No. DAP/B1/affiliation/FFC/2012, dated 06.04.2012.  
 5. Note orders of the Hon'ble Vice-Chancellor, JNTUK Kakinada.

**ORDER:**

- The "Sri Vasavi Engineering College, Pedatadepalli, Tadepalligudem, West Godavari District, Andhra Pradesh" was given temporary affiliation for running UG/PG courses during the academic year 2011-12.
- The AICTE, New Delhi and Government of Andhra Pradesh have accorded extension of approval to the above college for the academic year 2012-13 and 2013-14 vide ref. (1) to (3) read above. The University has constituted a Fact Finding Committee to verify the staff and infrastructure facilities of the college to consider the grant of Permanent affiliation from the academic year 2012-13 vide Procs. (3) Read above. The Fact Finding Committee has visited the college and submitted its report to the University and the same was placed before the University Standing Committee. The Standing Committee has verified the report of the Fact Finding Committee and other documents and made recommendations for Permanent affiliation from the academic year 2013-14, w.e.f 5<sup>th</sup> August 2013 (date of NBA accreditation)
- Under the circumstances as stated above, the Vice-Chancellor, JNTUK Kakinada is pleased to grant **Permanent Affiliation** to "Sri Vasavi Engineering College, Pedatadepalli, Tadepalligudem, West Godavari District, Andhra Pradesh" sponsored by "Sri Vasavi Educational Society, Rohini Medical Agencies Complex, K.N. Road, Tadepalligudem, West Godavari District, Andhra Pradesh" to offer UG/PG Courses in the following disciplines with the intake shown against each for the period of **Three Years** from the Academic Year 2013-14, w.e.f 5<sup>th</sup> August 2013, as detailed below:

S. No	Name of the Course	Intake
1	Computer Science & Engineering	180
2	Information Technology	60
3	Electronics & Communication Engineering	180
4	Electrical & Electronics Engineering	120
5	Mechanical Engineering	120
6	Civil Engineering	60

Contd.....2p

--2--

7	MBA	120
8	MCA	60
9	M. Tech - CSE	18
10	M. Tech - Power Electronics	36
11	M. Tech - VLSI & Embedded Systems	18
12	M. Tech - Power Sys., Control & Automation Engg	18
13	M. Tech - Digital Electronics & Comm., Systems	18
14	M. Tech - Machine Design	18

- The Permanent 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.
  3. During the period of Permanent Affiliation, the College needs to submit annual report along with Affiliation fee. During the period of Permanent Affiliation the College is exempted from the payment of Application & Inspection fee.
  4. The University can withdraw the Permanent Affiliation at any time, if the College does not satisfy the standards and norms of the University for Affiliation.

To  
 The Principal, Sri Vasavi Engineering College, Pedatadepalli, Tadepalligudem, West Godavari District, Andhra Pradesh

**REGISTRAR**  
 J.N.T. University Kakinada  
 KAKINADA-533 003

- Copy to:
- The Chairman/Secretary, Sri Vasavi Educational Society, Rohini Medical Agencies Complex, K.N. Road, Tadepalligudem, West Godavari 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, Mahavir Marg, Hyderabad-4.
  - The Commissioner of Technical Education, SBRKR Govt. Office Complex, Hyderabad.
  - The Secretary, All India Council for Technical Education, New Delhi - 110002.
  - The Asst. Educational Advisor (T), Southern Regional Committee, AICTE, Ministry of Human Resource Development (Dept. of Education), Shastry Bhavan 26, Haddous Road, Chennai - 600006.
  - Copy to P.A. to Chairman, Andhra Pradesh State Council of Higher Education.
  - Copy to the Secretary to Vice-Chancellor, JNTUK, Kakinada.
  - Copy to the Director, Academics & Planning, JNTUK, Kakinada.

## UGC Recognition of the college under 2(f) & 12(B)

Ph. 23236351, 23232701, 23237721  
23234116, 23235733, 23232317  
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)  
UGC Website: [www.ugc.ac.in](http://www.ugc.ac.in)

F. No. 8-111/2014 (CPP-I/C)

The Registrar  
Jawaharlal Nehru Technological University  
Kakinada – 533 003  
Andhra Pradesh

Sub: - Recognition of College under Section 2 (f) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter no. SVEC/UGC/Section2(f)&12(B)/2013-14/13 dated 23.11.2013 received from the Principal, Sri Vasavi Engineering College, Pedatadepalli, Tadepalligudem – 534 101, W.G. Dist, Andhra Pradesh on the above subject and to say that it is noted that the following college is **un-aided/self-financed** and **temporarily** affiliated to **Jawaharlal Nehru Technological University, Kakinada**. I am further to say that the name of the following College has been included in the list of colleges prepared under Section 2 (f) of the UGC Act, 1956 under the head '**Non-Government** Colleges teaching upto **Master's Degree**':-

Name of the College	Year of Establishment	Remarks
Sri Vasavi Engineering College, Pedatadepalli, Tadepalligudem – 534 101, W.G. Dist, Andhra Pradesh.	2001	The college does not fulfill the requirement of permanent affiliation. Therefore, the college is <b>not</b> eligible to receive Central assistance under Section 12 (B) of the UGC Act, 1956.

The Indemnity Bond and the other supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,

*Ajay Kumar*  
(Ajay Kumar)  
Education Officer

Copy to:-

1. The Principal, Sri Vasavi Engineering College, Pedatadepalli, Tadepalligudem – 534 101, W.G. Dist, Andhra Pradesh.
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary Education & Higher Education, Shastrri Bhavan, New Delhi – 110 001.
3. The Secretary (Higher Education), Government of Andhra Pradesh, Secretariat Building, J-Block, 4<sup>th</sup> Floor, Hyderabad – 500 022, (Andhra Pradesh).
4. The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad – 500 001, (Andhra Pradesh).
5. Publication Officer, (UGC-Website), New Delhi.
6. Section Officer (F.D.-III Section) U.G.C., New Delhi.
7. Guard file.

*Sunita*  
(Sunita Khanna)  
Section Officer

विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002



February, 2014

3 MAR 2014

*Sri Narayana*  
P

Ph. 23236351, 23232701, 23237721  
23234116, 23235733, 23232317  
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)  
UGC Website: [www.ugc.ac.in](http://www.ugc.ac.in)



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 8-111/2014(CPP-I/C)

July, 2014

The Registrar,  
Jawaharlal Nehru Technological University  
Kakinada - 533 003  
**Andhra Pradesh**

**- 6 AUG 2014**

**Sub:** - Declaring a College fit to receive Central Assistance under Section 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter no. SVCE/UGC/Section12(B)Recognition/Compliance/2013-14/14 dated 20.05.2014 received from the Principal, Sri Vasavi Engineering College, Pedatadepalli, Tadepalligudem – 534 101, W.G. Dist., Andhra Pradesh on the above subject and to say that it is noted that the following college is **un-aided/self financed** and **permanently** affiliated to **Jawaharlal Nehru Technological University, Kakinada**. The college is already included under Section 2 (f) of the UGC Act, 1956 vide this office letter of even No. dated 03.03.2014. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 12 (B) of the UGC Act, 1956 under the head '**Non-Government, self financed** College teaching upto **Master's Degree**':-

Name of the College	Year of Establishment	Remarks
Sri Vasavi Engineering College, Pedatadepalli, Tadepalligudem – 534 101, W.G. Dist., Andhra Pradesh.	2001	The College is now declared fit to receive Central assistance in terms of Rules framed under Section 12 (B) of the UGC Act, 1956. However, the College, being a self financing & unaided, would be eligible to receive UGC's support only in respect of teachers & students related schemes as per the decision of the Commission dated 8 <sup>th</sup> July 2011.

The documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,

(Charan Dass)  
Under Secretary

Copy to:-

1. The Principal, Sri Vasavi Engineering College, Pedatadepalli, Tadepalligudem – , Andhra Pradesh.
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi - 110 001.
3. The Secretary (Higher Education), Government of Andhra Pradesh, Secretariat Building, J-Block, 4<sup>th</sup> Floor, Hyderabad – 500 022, (Andhra Pradesh).
4. The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Andhra Pradesh).
5. Publication Officer (UGC-Website), New Delhi.
6. Section Officer (FD-III Section), UGC, New Delhi.
7. Guard file.

*Sunita*  
(Sunita Khanna)  
Section Officer

# NAAC – LOI status



राष्ट्रीय मूल्यांकन आयोग  
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान  
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**  
An Autonomous Institution of the University Grants Commission

## CENTRAL APPLICATION PROCESSING UNIT (CAPU)

NAAC/CAPU/SR/APCOGN24512/1<sup>st</sup> cycle/2015

21st May, 2015

The Principal  
Sri Vasavi Engineering College  
Pedatadepalli, Tadepalligudem – 534101  
Andhra Pradesh

*Prof. Murthy*  
21-5-15

Dear Sir / Madam

Greetings from NAAC!

This has reference to your LOI bearing Track ID APCOGN24512 dated 18th May, 2015. As your LOI is accepted on 20th May, 2015, you are advised to proceed further for submission of SSR. Acceptance of your SSR is subject to strict adherence to the timelines and procedural formalities of NAAC as given below:

- Use the format “Manual for Self-Study Report- Affiliated/Constituent Colleges” available for download at [http://www.naac.gov.in/manuals\\_ass\\_accrd.asp](http://www.naac.gov.in/manuals_ass_accrd.asp).
- A soft copy of SSR complete in all respects must be uploaded on institutional website within Five months from the date of acceptance of LOI. After uploading SSR the concerned Regional Coordinator must be informed by e- mail and also through a letter, or else hard copies of SSR will not be accepted.
- The uploaded SSR must not be password protected and accessible online to all stakeholders till the completion of assessment and accreditation process by NAAC.
- Must submit five hard copies and one soft copy (CD) of SSR along with the applicable A&A fee to NAAC within Six months from the date of acceptance of the LOI. Kindly note that hard copies of SSR/SAR should be submitted by post/ courier only. SSR/SAR will not be accepted by hand in NAAC office.
- There will be no relaxation in the time schedules for uploading SSR on the college website and submission of hard copies of SSR.
- Submit “Certificate of Compliance” (format enclosed) and the Declaration to be made by the Head of the Institution complete in all respects along with the SSR.
- Quote your assigned track ID APCOGN24512 in all your future correspondence with NAAC.
- “Only Government and Govt-Aided colleges covered under 2f and 12 B of UGC Act, 1956, and getting General development grants during XII Plan” are eligible for exemption of Accreditation fees subject to the production of valid documentary evidence. All other colleges have to pay the Accreditation fees as per the revised NAAC fees structure.

Please note that, if at any point of time while processing your application, NAAC finds that the information provided by the institution in the LOI, SSR or in the supporting documents is incorrect or misleading your application for assessment and accreditation will be rejected. NAAC will not be liable for the consequences arising out of such a rejection including refund of the fees or any other expenditure incurred by the institution in the process.

For any further clarification kindly log on to NAAC website [www.naac.gov.in](http://www.naac.gov.in) or contact the Help Desk Phone Numbers 080-23005192, 193 and may also contact through e-mail [capusouth@gmail.com](mailto:capusouth@gmail.com).

Yours sincerely

*Academic Consultant*  
Academic Consultant  
For CAPU

Note: The Institutions are hereby advised to upload “All India Survey of Higher Education” in MHRD website (<http://aishe.gov.in>) under intimation to NAAC with documentary proof of the Uploaded survey, at the time of submission SSR/RAR to NAAC.

पि ओ बाक्स नं. 1075, नागरभावी, बेंगलूर - 560 072, भारत P.O.Box No. 1075, Nagarbhavi, Bangalore - 560 072, INDIA  
दूरभाष Phone : + 91-80-23005192, 93 Fax : +91-80-23210270  
ई-मेल : e-mail: [naachelpdesk@gmail.com](mailto:naachelpdesk@gmail.com) वेबसाइट Website : [www.naac.gov.in](http://www.naac.gov.in)

